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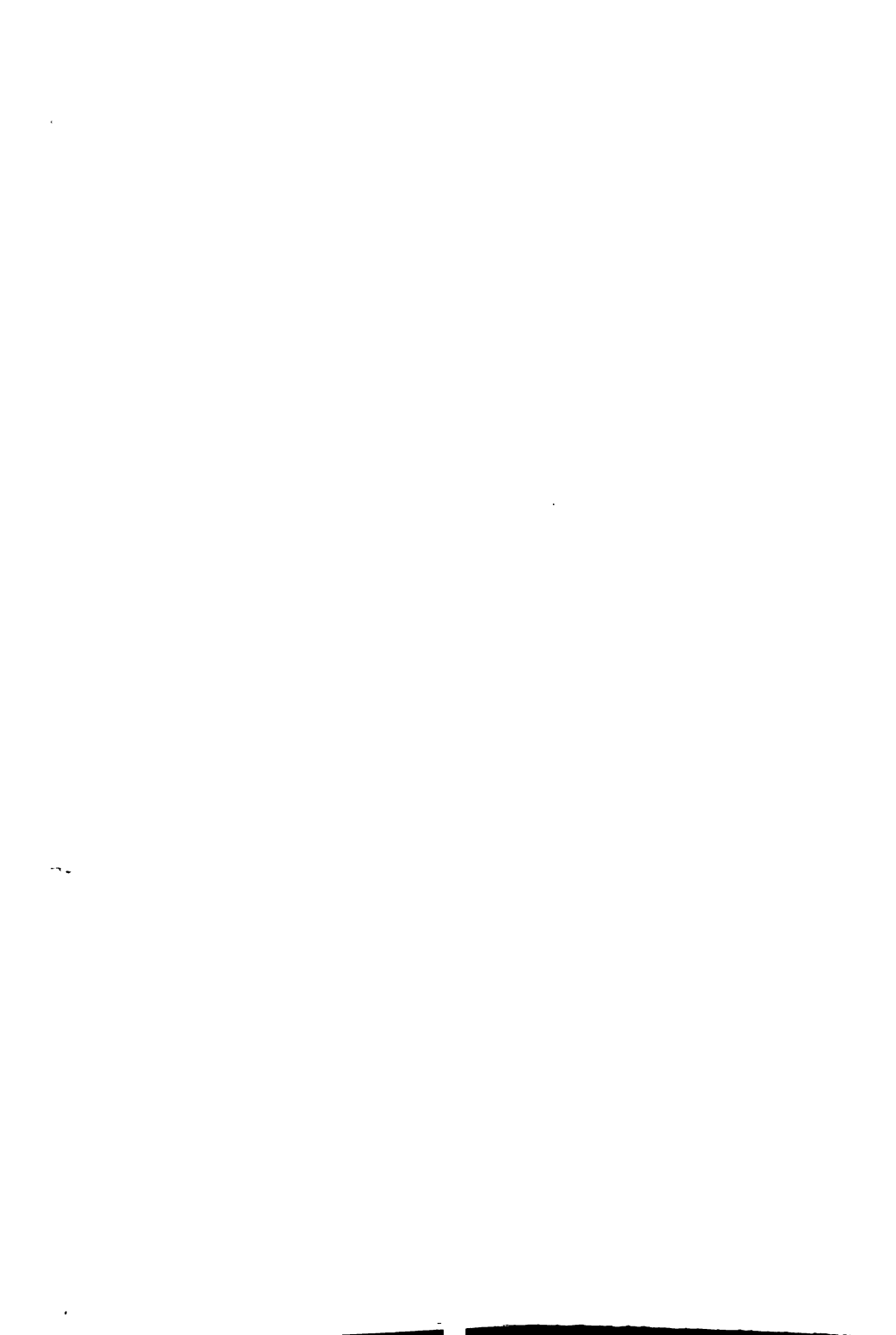












# WORLD'S COLUMBIAN EXPOSITION

1893

## OFFICIAL CATALOGUE

PART I.

AGRICULTURE BUILDING

AND DAIRY BUILDING

DEPARTMENT A. AGRICULTURE

FOOD AND ITS ACCESSORIES

MACHINERY AND APPLIANCES

W. I. BUCHANAN, CHIEF

EDITED BY

THE DEPARTMENT OF PUBLICITY AND PROMOTION

M. P. HANDY, CHIEF

CHICAGO  
W. B. CONKEY COMPANY, PUBLISHERS  
TO THE  
WORLD'S COLUMBIAN EXPOSITION,  
1893.



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WORLD'S COLUMBIAN EXPOSITION

# AGRICULTURE \* BUILDING.

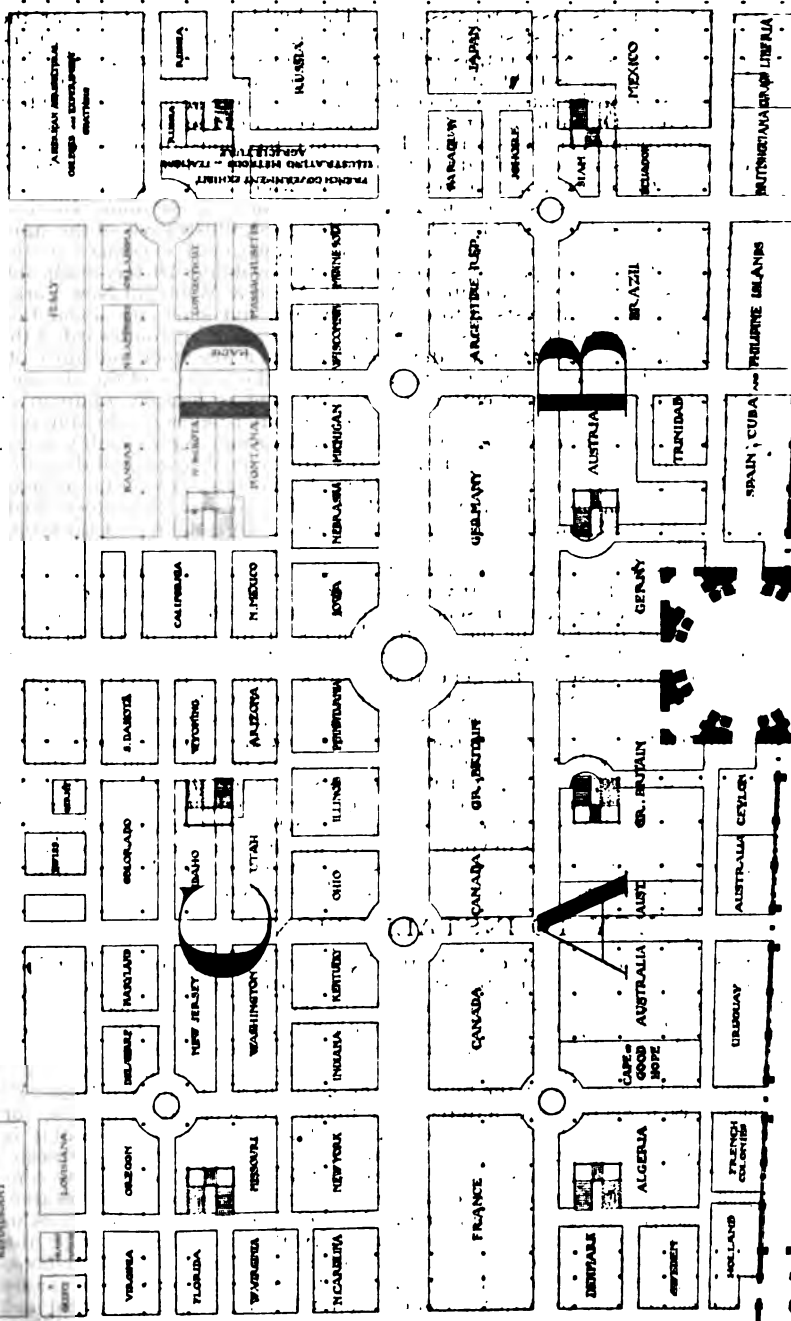
The style of architecture is classic renaissance. The building is situated near the shore of Lake Michigan, and is almost surrounded by the lagoons that lead into the Park from the lake. The building is 500x800 feet, its longest dimensions being east and west. For a single story building the design is bold and heroic. The general cornice line is 65 feet above grade. On either side of the main entrance are mammoth Corinthian pillars, 50 feet high and 5 feet in diameter. On each corner and from the center of the building pavilions are reared, the center one being 144 feet square. The corner pavilions are connected by curtains, forming a continuous arcade around the top of the building. The main entrance leads through an opening 64 feet wide into a vestibule, from which entrance is had to the rotunda, 100 feet in diameter. This is surmounted by a mammoth glass dome 130 feet high. All through the main vestibule statuary has been designed, illustrative of the agricultural industry. Similar designs are grouped about all of the grand entrances in the most elaborate manner. The corner pavilions are surmounted by domes 96 feet high, and above these tower groups of statuary. Architects, McKim, Mead & White, of New York.

Agriculture, and its kindred interests of forestry, dairy and live stock, has exhibition space, under roof, of 69 acres, the buildings costing \$1,18,000. To the southward of the Agricultural Building is a spacious structure devoted chiefly to a live stock and agricultural assembly hall. This building is conveniently near one of the stations of the elevated railway. On the first floor, near the main entrance of the building, is located a bureau of information. This floor also contains suitable committee and other rooms for the different live stock associations. Broad stairways lead from the first floor into the assembly room, which has a seating capacity of about 1,500. Forty acres are covered by the buildings for the stock exhibit. The pavilion is a great oblong building, having a show ring for animals and an amphitheatre for spectators. The pavilion is 280x440 feet in size. The stock sheds are built after the style of the Spanish or Mexican hacienda. The total cost of the buildings for live-stock is \$335,000.

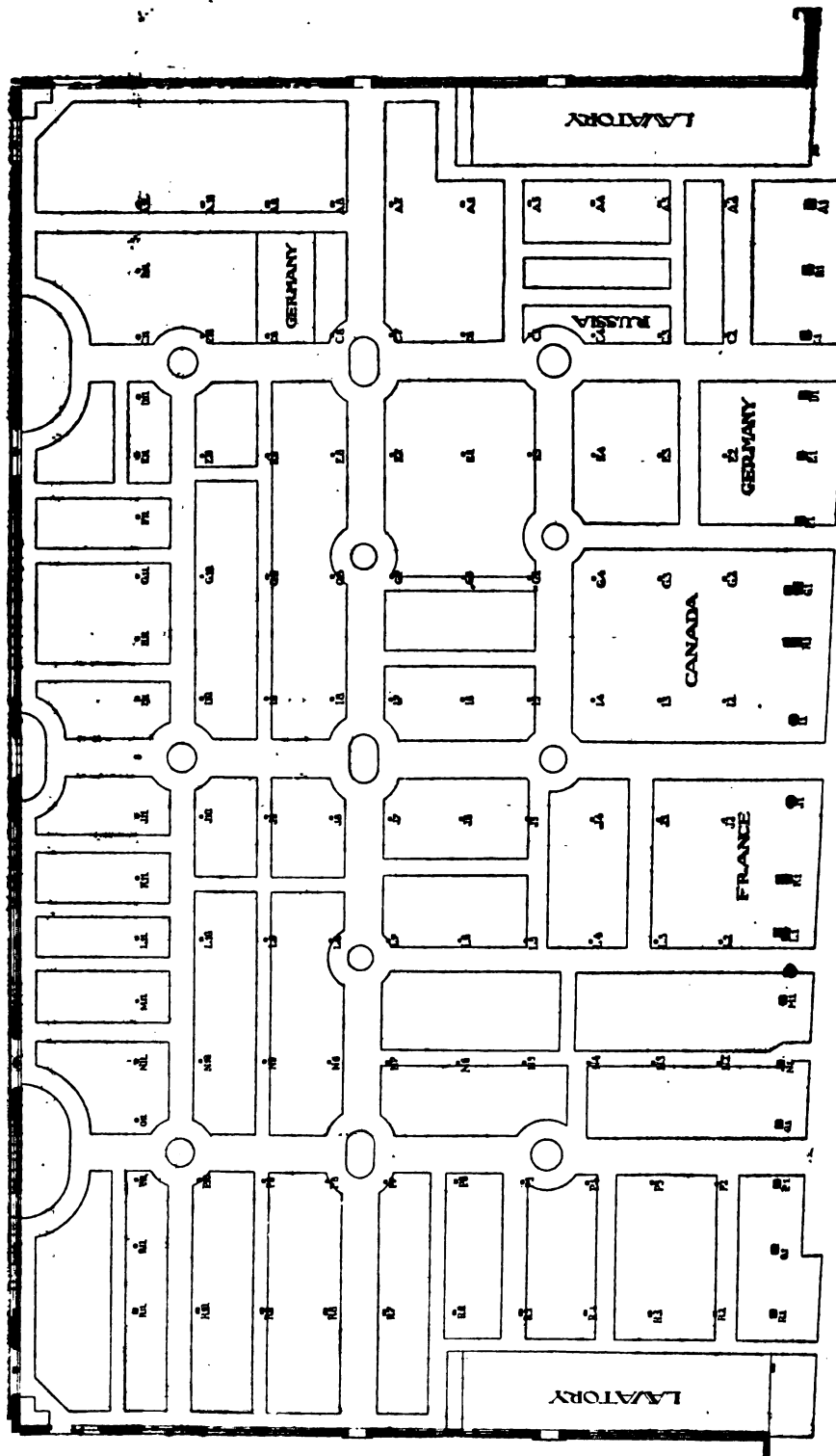
The Dairy Building is regarded by agriculturists as one of the most useful and attractive features of the whole Exposition. It was designed to contain not only a complete exhibit of dairy products but also a dairy school, in connection with which will be conducted a series of tests for determining the relative merits of different breeds of dairy cattle as milk and butter producers. The building stands near the lake shore in the southwestern part of the Park, and close by the general live stock exhibit. It covers approximately half an acre, measuring 95x200 feet, is two stories high and cost \$30,000. In design it is of quiet exterior. On the first floor, besides office headquarters, there is in front a large open space devoted to exhibits of butter, and farther back an operating room 25x100 feet in which the model dairy will be conducted. On two sides of this room are amphitheatres seats capable of accommodating 400 spectators. Under these seats are refrigerators and cold storage rooms for the care of the dairy products. The operating room, which extends to the roof, has on three sides a gallery where the cheese exhibits are placed. The rest of the second story is devoted to a cafe, which opens on a balcony overlooking the lake. In the dairy barn are luxuriously stabled the fancy cows participating in the milk, butter and cheese tests conducted during the Exposition.

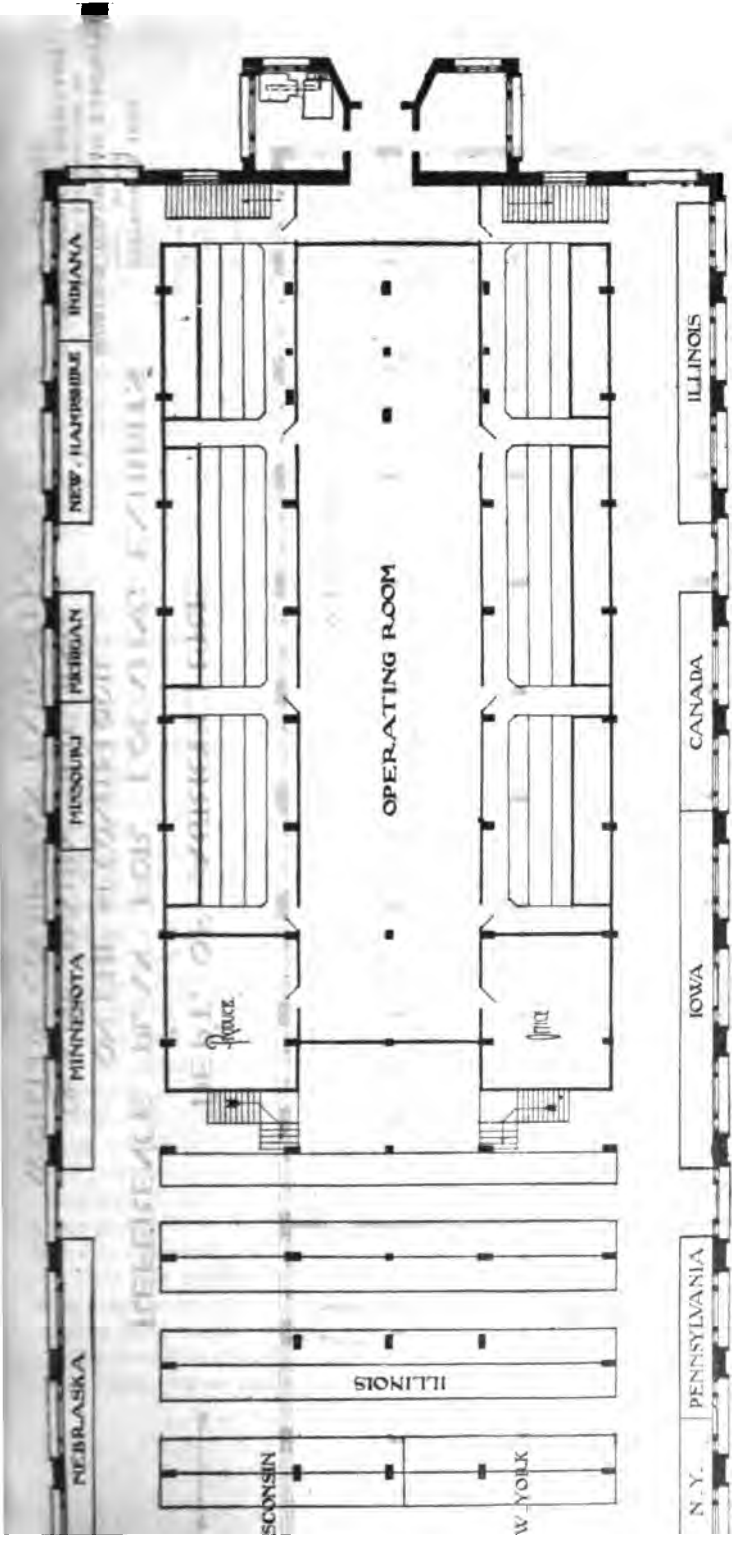
## KEY TO INSTALLATION.

For the purpose of installation of exhibits the building is divided, on the first floor, into five sections, "A" being in the northeast, "B" the northwest, "C" the southeast, "D" the southwest, and "E" in the west section. On the second or gallery floor are "F" in the northeast, "G" in the northwest, "H" in the southeast, and "I" in the southwest section. Beginning at the center of the building in each section, each column is lettered from "A" down the alphabet, toward the outside of the building. Beginning with the outside, and going toward the center of the building, the columns are numbered from "1" to "5". The columns in each section are lettered and numbered separately; that is, for example, in each section column "1-A" can be found. The location of an exhibit is indicated by two letters and a figure. For instance, an exhibit located in "H-G-5," means that it is in section "H" where the lines of the columns "G" and "5" cross. By consulting the ground plan in the front of the catalogue the sections can be readily located, and the columns are plainly lettered and numbered. All the agricultural machinery is in section "D." All exhibits of butter and cheese are in the Dairy Building, the butter on the first floor, and the cheese on the second floor. Exhibits of honey are on the gallery floor, at the east end of Agricultural Building. The ground plan shows the location by name of each of the States and foreign countries. Visitors can take the elevated railroad and alight at the Colonnade, and go immediately to the second floor of the Agricultural Building.









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IN THE

## UNITED STATES.

CORRECTED TO JULY 10, 1893.

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 M. G. Lamaille, Bronzes, Crystals, etc., Virginia Hotel, Chicago.

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 Dr. Richter, Chief Assistant Imperial Commissioner, 3171 Groveland Ave., C.  
 Mr. Franz Berg, Assistant Imperial Commissioner, 3171 Groveland Avenue, C.  
 Mr. Karl Hoffacker, Architect, Imperial Commission, 3171 Groveland Ave., C.  
 Mr. Johannes Radke, Architect, Imperial Commission, 3171 Groveland Ave., C.  
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 Mr. Gustav Spiess, Member for Commercial Affairs, Imperial Commission, 519 Fifth Street, Chicago.  
 Mr. Wilhelm Gröning, Secretary, Imperial Commission, 3171 Groveland Avenue, Chicago.  
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 Dr. Lobach, Electrical Engineer, 3048 Lake Park Avenue, Chicago.  
 Mr. Conrad Engel, Bergassessor, 2259 Calumet Avenue, Chicago.

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- Professor Dr. Wätzoldt, Chief, Imperial Educational Commissioner.  
 Professor Finkler, Chief, Imperial Educational Commissioner.

**GERMANY—Continued:**

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 Dr. Lichtenfelt, Imperial Educational Commissioner.  
 Reinhold von Baerle, Art Exhibit.  
 Dr. Constantin Nuremberg, Educational Exhibit.  
 Professor Lessing, Imperial Loan Exhibit.  
 Mr. Erve, Imperial Postal and Telegraph Exhibit.  
 Mr. Fritsch, Imperial Postal and Telegraph Exhibit.  
 Mr. Grawinkel, Imperial Postal and Telegraph Exhibit.  
 Director Robert Erhardt, Metallurgical Exhibit.  
 Prof. Hartmann, Royal Architect, Engineering Exhibit.  
 Mr. Meyer, Civil Engineer, Metallurgical Exhibit.  
 President O. W. Meysenburg Electrical Exhibit.  
 Mr. G. S. Teucher, Engineering Exhibit.  
 Director Blum, Machinery Exhibit.  
 Mr. Schiller, Horticultural Exhibit.  
 Professor Dr. A. Schricker, Industrial Art Exhibit.  
 Dr. Richard Hirsch, Art Industrial Exhibit.  
 M. Julius Beissbarth, Nuremberg-Furth Industry.  
 Mr. Ehrhardt, Civil Engineer, Nuremberg-Furth Industry.  
 Mr. Richard Fischer, Chemical Collective Exhibit.  
 Mr. Fritz Gräber, Textile Collective Exhibit.  
 Mr. Richard Horstman, Royal Prussian Porcelain and Jewelry Collective Exhibits.  
 Professor Hoffman, Textile Collective Exhibit.  
 Dr. Ulrich Jahn, Ethnological Exhibit, "German Village."  
 Conservator Kopp, Bavarian Industrial Art Exhibit.  
 Mr. A. Lauter, Civil Engineer, Gun Exhibit, Krupp Pavilion, Jackson Park.  
 Dr. Albert C. Weil, Bathing and Mineral Exhibit.  
 Prof. Kips, Royal Prussian Porcelain Exhibit.  
 Director Dernburg, Ethnological Exhibit, "German Village."  
 Mr. Hundeshagen, Civil Engineer, Machinery Exhibit.  
 Mr. Guenther, Civil Engineer, Machinery Exhibit.  
 Mr. Eduard Schrickell, Iron Industry.  
 Mr. Dahlen, Wine Exhibit.  
 Mr. Hartmann, Electrical Exhibit.  
 Mr. Von Siemens, Electrical Exhibit.  
 Dr. Jurgens, Assistant of the Pathological Institute, Berlin.  
 Professor Mashke, Professor Mathematics, University of Chicago.  
 Professor Bolza, Professor Mathematics, University of Chicago.  
 Paul Charlier, Railroad Car and Machine Exhibit.  
 Mr. Braun, Baden Industrial Exhibit.  
 Mr. Carl Haas, Paper Exhibit.  
 Mr. Baumgartel, Collective Book Exhibit.  
 Mr. Georg Langheinrich, Textile Collective Exhibit.

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 Mr. E. H. Lloyd, Assistant Secretary and General Superintendent, Royal Commission, Victoria House, Jackson Park, Chicago.  
 Mr. Ralph A. Harbord, Private Secretary, Victoria House, Jackson Park, Chicago.  
 Mr. J. W. Beck, Superintendent (Fine Arts), Victoria House, Jackson Park, Chicago.  
 Mr. E. H. Fishbourne, M.A., LL.B., Superintendent (Manufactures), Victoria House, Jackson Park, Chicago.  
 Mr. H. D. Wilkinson, M.I.E.E., Superintendent (Machinery etc.), Victoria House, Jackson Park, Chicago.  
 Mr. Thomas Baker, Superintendent (Transportation), Victoria House, Jackson Park, Chicago.  
 Mr. H. W. Pearson, Superintendent (Agriculture), Victoria House, Jackson Park, Chicago.

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Mr. D. Jannopoulos, Royal Commissioner, 218 Chestnut Street, St. Louis, Mo.

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Mr. Charles A. Preston, Commissioner, Haytian Pavilion, Jackson Park, Chicago.

Mr. Alfred Harris, Secretary, Haytian Pavilion, Jackson Park, Chicago.

Mr. Gustave Stromberg, Acting Attaché, Haytian Pavilion, Jackson Park, Chicago.

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Honorable Alfred B. King, Commissioner, Liberian Court, Agricultural Building, Jackson Park, Chicago.

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 Señor Don Angel de Campo, Commissioner, 5038 Washington Avenue, Chicago.  
 Señor Don Miguel Garibay, Commissioner, 5038 Washington Avenue, Chicago.  
 Lieut. Col. Jorge M. Green, Commissioner, 18th Street and Indiana Avenue, Chicago.  
 Señor Don Gral. Ireneo Paz, Commissioner, 5038 Washington Avenue, Chicago.  
 Prof. Natal Pesado, Commissioner, 1455 State Street, Chicago.  
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 Mr. Thomas Pugh, Assistant General Superintendent, Australia House, Jackson Park, Chicago.  
 Mr. Alexander Bruce, J. P., Superintendent (Stock), Australia House, Jackson Park, Chicago.  
 Mr. Joseph E. Carne, F. G. S., Superintendent (Mines), Australia House, Jackson Park, Chicago.  
 Mr. Thomas Ford, Assistant Superintendent (Mines and Mining), Australia House, Jackson Park, Chicago.  
 Mr. W. Fitzwilliam Terry, Superintendent (Liberal Arts), Australia House, Jackson Park, Chicago.  
 Mr. Joseph F. McGuinness, Assistant Private Secretary, Australia House, Jackson Park, Chicago.  
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 Dr. Carl F. Fischer, Member of the Comm'n, Australia House, Jackson Park, Chicago.  
 Mr. Henry W. Peabody, Member of the Commission, Australia House, Jackson Park, Chicago.  
 Mr. Thomas Saywell, Member of the Comm'n, Australia House, Jackson Park, Chicago.

**NEW SOUTH WALES—Continued:**

- Mr. Joseph Marks, J. P., Member of the Commission, Australia House, Jackson Park, Chicago.  
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 Mr. Annas C. R. Berle, Sec'y Royal Commission, Norway's Pavilion, Jackson Park.  
 Mr. Otto Enger, Assistant to Commission of Fish and Fisheries, Norway's Pavilion, Jackson Park, Chicago.  
 Mr. S. Sinding, Assistant to Commission of Fine Arts, Norway's Pavilion, Jackson Park, Chicago.  
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**SWEDEN:**

Mr. Artur Leffler, Royal Commissioner, Swedish Pavilion, Jackson Park, Chicago.  
 Mr. Axel Welin, Secretary, Swedish Pavilion, Jackson Park, Chicago.  
 Mr. Tom Bergendal, Special Commissioner for Manufactures, Swedish Pavilion,  
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 Mr. Robert Lindblom, Resident Commissioner, 13 Board of Trade, Chicago.  
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 Mr. Anders L. Zorn, Special Commissioner of Fine Arts, Swedish Pavilion, Jackson  
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Mr. Z. J. Sweeney, Honorary Commissioner, Columbus, Indiana.  
Mr. F. D. Thompson, Honorary Commissioner, New York.  
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## DEPARTMENT A.

### AGRICULTURE, FOOD AND ITS ACCESSORIES, FORESTRY AND FOREST PRODUCTS, MACHINERY AND APPLIANCES.

#### GROUP 1.

##### CEREALS, GRASSES AND FORAGE PLANTS.

- Class 1. Wheat and its culture.  
Varieties of wheat grown in America and abroad. Statistics of products and of prices.
- Class 2. Indian corn—all varieties.  
Illustrations of methods of planting, tilling and harvesting. Statistics of products and of prices.
- Class 3. Oats.
- Class 4. Barley.
- Class 5. Rye.
- Class 6. Rice and its culture.
- Class 7. Buckwheat and other grains.
- Class 8. Grasses, various species; hay and hay-making.
- Class 9. Forage plants—clover, alfalfa, cow-pea, cornstalks.
- Class 10. Ensilage—silos, etc.
- Class 11. Flours, meals, decorticated grains, grits, etc.

#### GROUP 2.

##### BREAD, BISCUITS, PASTES, STARCH, GLUTEN, ETC.

- Class 12. Bread and its manufacture, baking powder, yeast and its preparations.
- Class 13. Cakes and pastry.
- Class 14. Biscuit industry, crackers of all kinds.
- Class 15. Italian paste, semolino, vermicelli, macaroni, etc.
- Class 16. Starch and its manufacture from all sources; from cereals, tubers, arrow-root, plantain, cassava, zamia, manioc, tapioca, sago, pearl flour, etc.

#### GROUP 3.

##### SUGARS, SYRUPS, CONFECTIONERY, ETC.

- Class 17. Sugar cane, its cultivation and treatment, manufacture of sugar.
- Class 18. Cane sugar, syrup, molasses, etc.
- Class 19. Grape and fruit sugars.
- Class 20. Beet root sugar.
- Class 21. Maple sugar, syrups, etc.
- Class 22. Palm sugar.
- Class 23. Milk sugar.
- Class 24. Sorghum, its culture and uses, and preparation of syrup and sugar.
- Class 25. Glucoses, etc., prepared.
- Class 26. Honey-bees and honey; hives and appliances.
- Class 27. Confectionery, confections, etc. (For jams, jellies, etc., see Group 21.)

#### GROUP 4.

##### POTATOES, TUBERS AND OTHER ROOT CROPS.

- Class 28. Potatoes, sweet potatoes, yams, etc.
- Class 29. Sugar beets, mangel wurzel.
- Class 30. Carrots, turnips, beets, artichokes, etc.
- Class 31. Peanuts; methods of cultivation, statistics, etc.

## GROUP 5.

## PRODUCTS OF THE FARM NOT OTHERWISE CLASSED.

- Class 32. Broom corn, pumpkins, squashes, peas, beans as crops. (For ga-  
tables, etc., see Group 23.)

## GROUP 6

## PRESERVED MEATS AND FOOD PREPARATIONS.

(For fish product as food, see also Group 40.)

- Class 33. Dried meats, jerked beef.  
Class 34. Smoked beef, hams and bacon.  
Class 35. Salted meats.  
Class 36. Canned meats, including fish, flesh and fowl, pàtès, sardines, lobsters, o  
Class 37. Meat extracts, soups and food preparations.  
Class 38. Extracts of beef.  
Class 39. Milk, dried or in cans, evaporated or condensed.  
Class 40. Milk and coffee and similar preparations, in tin or glass.

## GROUP 7.

## THE DAIRY AND DAIRY PRODUCTS.

- Class 41. Milk and cream, with apparatus and methods of treatment.  
Apparatus and methods of transporting and delivering milk and cream.  
Concentrated or partly evaporated milk. (For condensed milk, see Cl  
Class 42. Butter.  
Class 43. Cheese and its manufacture.  
Class 44. Dairy fittings and appliances—churns for hand and power, butter work  
and pails, cheese presses, vats and apparatus.

## GROUP 8.

## TEA, COFFEE, SPICES, HOPS, AND AROMATIC AND VEGETABLE SUBSTANCES.

- Class 45. Tea, coffee, cocoa, chocolate and substitutes.  
Class 46. Hops—culture, statistics, etc.  
Class 47. Peppers, cloves, cinnamon and other spices.  
Class 48. Tobacco in the leaf, and tobacco not manufactured.  
Class 49. Machines and appliances for the curing of tobacco and for the manufac  
tobacco, cigars, cigarettes and snuff.  
Class 50. Insecticides. Methods and appliances for the destruction of the tobacco  
and other parasites.  
Class 51. Commercial forms of chewing and smoking tobacco.  
Class 52. Cigars, cigarettes and snuff.

## GROUP 9.

## ANIMAL AND VEGETABLE FIBRES.

- Class 53. Cotton on the stalk—its several varieties; long and short staples, shown i  
ing examples, by engravings, photographs, etc.  
Class 54. Methods of planting and culture.  
Class 55. Machines and appliances for planting, cultivating, picking, ginning and l  
Class 56. Cotton seed and its uses.  
Class 57. Remedies and appliances for destroying insects.  
Class 58. Literature, history and statistics.  
Class 59. Hemp, flax, jute, ramie and other vegetable fibres not enumerated, in pri  
forms and in all stages for spinning.  
Class 60. Wool in the fleece, in sacks and in bales.  
Class 61. Silk worms, silk in the cocoon; apparatus and appliances used in silk cu  
Class 62. Hair as a textile material.

## GROUP 10.

## PURE AND MINERAL WATERS, NATURAL AND ARTIFICIAL.

- Class 63. Distilled water, for use in the arts and for drinking.  
Class 64. Spring water, mineral water, natural and artificial. (See also Group 48.)  
Class 65. Aerated waters.

GROUP 11.

WHISKIES, CIDER, LIQUEURS AND ALCOHOL.

- Class 66. Highwines—whisky and its manufacture.
- Class 67. Rum and other distilled spirits, as saki, samshoo, etc.
- Class 68. Alcohol—pure spirits.
- Class 69. Cordials and liqueurs.
- Class 70. Bitters and mixed alcohol beverages.
- Class 71. Cider and vinegar.

GROUP 12.

MALT LIQUORS.

- Class 72. Preparation of the grain. Malt and extracts of.
- Class 73. Beers, ales, porter, stout, etc.

GROUP 13.

MACHINERY, PROCESSES AND APPLIANCES OF FERMENTING, DISTILLING, BOTTLING AND STORING BEVERAGES.

- Class 74. Apparatus of fermenting—vats, cellars, etc.
- Class 75. Distilling. Ordinary and vacuum stills, etc.
- Class 76. Rectifying apparatus and methods.
- Class 77. Machinery and appliances for bottling beer.

GROUP 14.

FARMS AND FARM BUILDINGS.

- Class 78. Farms and farm administration and management, shown by farms, or by maps, models, records, statistics and other illustrations.
- Class 79. Irrigation, drainage methods, machinery and appliances. Models of fences, construction of roads; literature and statistics.
- Class 80. Systems of planting, cultivating, harvesting and fertilizing.
- Class 81. Systems of breeding and stock feeding.
- Class 82. Farm buildings, houses, barns, stables, etc., shown by reference to special examples, or by models, drawings or other illustrations. Stable fittings.

GROUP 15.

LITERATURE AND STATISTICS OF AGRICULTURE.

- Class 83. Statistics of farms; reports of agricultural societies, etc.

GROUP 16.

FARMING TOOLS, IMPLEMENTS AND MACHINERY.

- Class 84. Tillage—manual implements—spades, hoes, rakes, etc. Animal power machinery—plows, cultivators, horse hoes, clod crushers, rollers, harrows, etc. Steam power machinery—plows, breakers, harrows, cultivators, etc.
- Class 85. Planting—manual implements—planters and hand-drills, hand-seeders, etc. Animal power machinery—grain and fertilizer drills, seeders, planters, etc. Steam-power machinery—grain and fertilizer drills, seeders, planters, etc.
- Class 86. Harvesting—manual implements—scythes, rakes, forks, grain cradles, sickles, reaping hooks, etc. Animal power machinery—reapers, binders and headers, mowers, tedders, rakes, hay elevators, hay loaders and stackers, potato diggers, corn harvesters, combined harvesters, binding twine, etc.
- Class 87. Preparatory to marketing—threshers, clover hullers, corn shellers, winnowers, and apparatus for baling hay, straw and other products, etc.
- Class 88. Applicable to farm economy—portable engines, windmills, chaffers, hay and feed cutters, vegetable and root cutters, feed grinders, corn-mills, farm-boilers and steamers, stump extractors, etc.
- Class 89. Traction engines and apparatus for road making and excavating, with illustrations.

## GROUP 17.

## MISCELLANEOUS ANIMAL PRODUCTS—FERTILIZERS AND FERTILIZING COMPOUNDS

- Class 90. Miscellaneous animal products—hides, horns, ivory, bones, scales, teeth, shells, glue, gelatine, etc. Animal perfumes—musk, castorium, civet, etc., in their crude state, not manufactured.
- Class 91. Hair—for masons' use; for upholsterers, heavy felting, bristles, feathers, etc.
- Class 92. Fertilizers of living animals; guanos, raw and mixed.
- Class 93. Fertilizers of fossil origin. Commercial fertilizers—phosphatic, and calcareous, potash, salts, etc.

## GROUP 18.

## FATS, OILS, SOAPS, CANDLES, ETC.

- Class 94. Animal oils and fats—lard, tallow, butterine, oleomargarine, lard oil, (For fish oils see also Department D.)
- Class 95. Vegetable oils, cotton-seed oil, olive oil, rape-seed oil, linseed oil, palm oil, with the seeds and residues.
- Class 96. Soaps and detergent preparations. (For perfumery and toilet soaps: see Group 87.)
- Class 97. Stearine, glycerine, paraffine, etc. Spermaceti, ozocerite, wax, candles
- Class 98. Lubricating oils, axle grease, etc.

## GROUP 18a.

## MISCELLANEOUS ARTICLES OF MANUFACTURE NOT HERETOFORE CLASSIFIED

XACB

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Dept. A.--Agriculture, Food and its Accessories.

## UNITED STATES.

### Cereals, Grasses and Forage Plants.

#### GROUP 1.

##### Cereals, Grasses and Forage Plants.

- | Exhibit No.   | Class'n No.    |
|---|----------------|
| 1. American Cereal Co., New York. Farinaceous foods, etc.   | F-D-6 & C-6 11 |
| Manufacturers of cereal foods, Quaker oats, Quaker buckwheat and the F. Schumacher cereals. Largest cereal millers in the world. Also Chicago, Ill., Cedar Rapids, Ia.  |                |
| 2. Anderson, Neils, Utah. Wheat.  | 1              |
| 3. Baker, G. W., Utah. Wheat.   | 1              |
| 4. Belshaw, Geo., Eugene, Ore. Wheat.   | 1              |
| 5. Chambers, Vermillion, South Dakota. Corn.  | 2              |
| 6. Conklin, E. W., & Son, Binghamton, N. Y. Timothy and clover seed. C-A-0  | 8              |
| New Patent Process Re-cleaned "Unexcelled," "Star," "New Process," and "C.&M." Brands Timothy. "FXL" Clover. Five purest brands on earth. Only process removing plantain, daisies, pepper-grass, weed seeds.  |                |
| 7. Davis, R. T., Mill Company, St. Joseph, Mo. Flour.   | H-O-5 11       |
| 8. Dickinson, Albert, Company, Chicago. a Pop corn.   | C-E-O 2        |
| b Agriculture seeds.  | 8              |
| c Ensilage.   | 10             |
| Covers a specialty. Red, white, Alsylke, Lucern, Alfalfa. Specially re-cleaned Timothy, Globe, Crescent, Sun Brands, unexcelled for purity and cleanliness. Flax seed, millets, red top, blue grass, orchard grass, imported grass seeds, bird seeds, canary, hemp, rape, peas, field seeds, pop corn, etc. |                |
| 9. Duluth Imperial Mill Co., Duluth, Minn. Flour.   | H-L-6 11       |
| You will miss one of the sights of this Exposition if you don't see the "Old Water Mill" built 150 years ago, in operation, in the Agricultural Building.   |                |
| 11. Ferguson, Holden, Missouri. Wheat.  | 1              |
| 12. Henderson, Peter, & Co., New York. Field seeds.   | C-D-0 8        |

- | Exhibit No.   | Class'n No.      |
|---|------------------|
| 13. Hungarian Flour Mills, Denver, Col. Flour.  | H-J-6 11         |
| 14. King, J., Vermillion, South Dakota. Corn.   | 2                |
| 15. Listman Milling Co., Wm., Superior, Wis. Flour.   | H-E-5 11         |
| Manufacturers of the celebrated "Marvel" brand of flour. Guaranteed to be the best bread maker in the world. Its economical features will be readily understood when we state that it absorbs twenty lbs. more water than any other flour made. |                  |
| 15a. Northern Pacific Railroad Co., St. Paul, Minn.   |                  |
| a Wheat.  | Dept. G 1        |
| b Oats.   | 3                |
| c Barley.   | 4                |
| d Grasses, etc.   | 8                |
| In two exhibit cars Transportation Building   |                  |
| 16. Pettijohn California Breakfast Food Company, Minneapolis, Minn. Prepared breakfast food.  | F-C-5 11         |
| 17. Pope, Chas., Glucose Co., Chicago. Meal.  | G-I-8 11         |
| 18. Porter, L. C., Milling Co., Winona, Minn. Flour, flour testing system.  | H-J-6 11         |
| 20. Sessinghaus Milling Co., St. Louis. Flour.  | H-J-4 11         |
| 21. Stein, Hirsch & Co., Chicago. Potato flour.   | F-D-8 11         |
| 22. Tiedemann, Chas., Milling Company, O'Fallon, Ill. Flour.  | H-E-6 11         |
| 23. Washburn-Crosby Company, Minneapolis, Minn. Flour.  | H-C-5 & H-B-5 11 |
| A day in the Washburn flour mills. The method of manufacturing the celebrated Washburn, Crosby Co. Superlative and Gold Medal flour. A fac-simile of the Washburn, Crosby Co. plant.  |                  |
| 23a. Whitney, Noyes Seed Co., Binghamton, N. Y.   |                  |
| a Timothy seed.   | 8                |
| b Clover seed.  | C-B-0 9          |

## Bread, Biscuits, Pastes, Starch, Gluten, Etc.

Exhibit No.	Class'n No.
23b. Wilkins, Amos, Coburg, Ore.	
a Grasses.	8
b Clover.	9
23c. Wilkins, M., Coburg, Ore.	
a Wheat.	1
b Oats.	3
c Barley.	4
d Rye.	5
24. Wilson, Samuel, Mechanicsville, Pa.	
Field seeds.	C-F-0 8
Small fruits, rare bulbs, flower plants, etc.	
25. Winterhoff & Wessel, Lansing, Ill.	
Curled grass.	F-G-5 8
26. Woodward & Crofut, Chicago. Corn-meal, flour, cereal flakes.	H-G-5 11

## GROUP 2.

## Bread, Biscuits, Pastes, Starch, Gluten, Etc.

27. American Biscuit & Manufacturing Co., Chicago. Crackers and biscuit.	
	G-L-5 14
27a. Bailey, Margaret H., Chicago. Beaten biscuit.	E-C-1 14
29. Barnett, Wm., Philadelphia. Wheat starch.	F-H-7 16
30. Canepa Bros., Chicago. Macaroni and other pastes.	G-G-4 15
31. Chicago Macaroni Company, Chicago. Macaroni, noodles, etc.	F-E-9 15
32. Chicago Sugar Refining Co., Chicago. Starch.	G-I-9 16
33. Columbia Macaroni Mfg. Co., New York. Macaroni and other pastes.	G-F-4 15
34. De Muth, J. A., St. Joseph, Mo. Kneader, biscuit machine.	E-C-1 12
35. Dieter, The J. P., Co., Chicago. Baking powder.	H-E-7 12
36. Durkee, E. R., & Co., New York. Baking powder.	F-L-8 12
37. Gillett, E. W., Chicago. Yeast cakes.	F-M-8 12
38. Kingsford, T., & Son, Oswego, N. Y. Starches.	F-G-9 16
Laundry starches: "Silver Gloss," "Pure," "Pearl" and "Ontario." Food starches: "Corn Starch" and "Prepared Corn." The above products are made exclusively from maize or Indian corn. Thomas Kingsford first invented the process of making starch from Indian corn in 1842.	
39. Mazza, A. F., & Co., Denver, Col. Macaroni and vermicelli.	G-G-6 15
40. Middleby Oven Company, Boston. Ovens.	E-C-4 12

Exhibit No.	Class'n No.
41. National Starch Manufacturing Company, New York.	
a Yeast.	F-K-8 &
b Starches.	
42. Nebraska City Starch & Co. Nebraska City, Neb. Starch a	
43. New York Biscuit Company. Crackers and biscuit.	
44. People's Bread Co., Madison. Ginger snaps.	G-F
45. Pope, Chas., Glucose Co., Starch.	G-
Manufacturers of all grades of glucose syrups, neutral powdered and pea cream gluten meal, corn germ meal made from Indian corn.	
46. Price Baking Powder Co., Baking powder.	F-H
47. Rumford Chemical Works, Providence, R. I. Baking powder and tartar.	F-I
Horsford's cream tartar (pulverulent phosphate invented by Prof. E. N. Horsford) the acid ingredient of the following baking preparations: Horsford's powder, Horsford's bread preparative, Ford yeast powder. Horsford's acid phosphate (liquid, medicinal), etc.	
47a. Schmidt, Wm., Baking Co., Chicago. a Bread.	G-H
b Cakes.	
c Crackers.	
48. Stein, Hirsch & Co., Chicago. Baking powder.	F-D-8
49. Thatcher, H. D., & Co., New York. Baking powder.	F-D-1
Put up in ½ lb., 1 lb., and 3 lb. glass Formula: Cream Tartar, parts 67; borate soda (to neutralize) parts 2; sugar milk, parts 4. United States Patent, March 4, 1890. Dominion Patent, March 1891. Leaving power 15.2 to 15.4.	
50. United States Baking Company, New York. Crackers and biscuit.	G-K

## GROUP 3.

## Sugars, Syrups, Confectionery, I

53. American Sugar Refining Company, New York.	
a Raw and refined sugars.	
b Syrups.	
53a. Borg, F., Chicago. Chewing gum.	G-G-9
54. Chattanooga Plow Company, Chattanooga, Tenn. Carriage mills, evaporators, furnace and kettle.	E-E-11

## Sugars, Syrups, Confectionery, etc., Preserved Meats and Food Preparations.

Exhibit No.	Class's No.
55. Chicago Sugar Refining Co., Chicago.	
a Grape sugars.	G-I-9 19
b Syrups.	18
c Glucose, gluten, etc.	25
Crystallized and other grape sugars; all grades of glucose and syrups; pearl and powdered starches; dextrine and gum; gluten-maize and bran-feed; oil and oil-cake, all manufactured from Indian corn.	
56. Croft & Allen, Philadelphia. Confectionery.	G-J-9 27
56a. Curtice Brothers Co., Rochester, N.Y. Maple syrup.	C-G-3 26
57. Curtis & Sons, Portland, Me. Chew-ing gum.	H-K-9 27
58. Dunbar's, G. W., Sons, New Orleans.	
a Sugar cane.	G-E-6 17
b Syrup in glasses.	18
59. Hall, J. W., Portland, Maine. Wafers.	G-I-7 27
60. Hastings, Matthew E., New York Mills, N. Y. Bee-keepers' supplies.	A-G-5 26
61. Hill, A. G., Kendallville, Ind. Bee-keepers' supplies.	H-O-4 26
62. Lowney, The Walter M., Co., Boston. Chocolate bonbons. Special building. 27	
Do not fail to visit our special building, the "Temple of Vesta," situated next south of Music Hall and near the Peristyle. Exhibition room, ladies' waiting room and offices on the second floor. Retail salesroom on the first floor. Lowney's chocolate bonbons are for sale everywhere.	
63. Maillard, Henry, New York. Confectionery.	G-B-7 27
Confections and chocolate bonbons. An important feature of this exhibit is five statues made of solid chocolate of heroic size, weighing nearly 1,500 lbs. each, representing Columbus, Venus de Milo and Minerva. Maillard's preparations awarded two gold medals Paris exposition, 1889.	
63a. Minnesota Bee Keepers' Association, Winona, Minn. Honey and beeswax.	H-O-1 26
64. National Starch Manufacturing Company, New York.	
a Grape sugar.	F-K-8 & F-I-8 18
b Glucose.	25
65. Ohio Maple Sugar & Syrup Exhibit, Burton, Ohio. Maple sugar and syrup.	21
65a. Overbaugh & Hartman, New York. Confectioners' cartoons.	27
66. Pope, Chas., Glucose Co., Chicago. Glucose.	G-I-8 25
67. Post, C. C., Burlington, Vt. Sap spoons, bucket hangers, maple syrup.	H-G-1 21

Exhibit No.	Class's No.
68. Putnam, W. H., River Falls, Wis. Bee-hives.	Sec. H 26
69. Root, A. I., Medina, Ohio. Bee-keepers' supplies.	H-O-4 26
Those interested in the production of honey can not afford to miss this exhibit.	
70. Schall & Co., New York. Confectionery ornaments.	G-E-8 27
71. Vermont Maple Sugar Exhibit. Maple sugar and syrup.	H-I-9 21
72. Walburn-Swenson Company, Chicago. Beet sugar plant.	E-K-11 20
72a. Warren Evaporator Works, Warren, Ohio. Miniature model evaporator for maple sap.	G-8 24
72b. Worthington, H. R., New York. Sugar pumps.	Dept. F. 17

## GROUP 6.

## Preserved Meats and Food Preparations.

73. American Lactose Company, New York. Milk sugars.	G-F-8 39
74. American Ready Food Co., Chicago. Condensed soups.	F-C-7 37
75. Anglo-American Provision Co., Chicago. Hog products.	D-B-0 34&35
Awarded gold medal at the Royal Agricultural Show, Liverpool, England, 1892.	
76. Armour Packing Co., Kansas City, Mo.	
a Canned meats.	F-C-9 36
b Soups.	37
77. Armour & Co., Chicago.	
a Canned meats.	D-A-1 36
b Canned soups.	37
c Extract of beef.	38
78. Barnett Produce Company, Chicago. Sauer-kraut.	H-F-7 36
"Silver Thread" known to the trade as the highest possible standard of excellence. Sales largest of any brand made.	
79. Bovinine Co., New York. Extract of beef.	F-F-4 38
80. Burnham & Morrill Co., Portland, Maine.	
a Canned meats.	H-D-9 36
b Canned soups.	37
Paris brands, green sugar corn and succotash. Baked beans, meats, soups, fruits, vegetables. Machias Bay and Red Jacket brands; lobster. Scarborough Beach brand, clams, clam chowder and clam extract. Fish chowder, mackerel, etc. A gold medal awarded at Paris Exposition, 1878.	
81. Cowdrey, E. T., Co., Boston.	
a Deviled ham.	F-E-6 36
b Soups.	37

## Preserved Meats and Food Preparations.

- | Exhibit No.   | Class'n No. | Exhibit No.   |
|---|-------------|---|
| 82. Cudahy Packing Co., South Omaha, Neb.   |             | 95. Huckins, J. H. W., & Co., F-J   |
| a Canned meats. D-D-0   | 36          | a Sandwich meats.   |
| b Extract of beef.  | 38          | b Canned soups.   |
| Beef and pork packers. Owners of the celebrated Diamond C and Rex brands sugar-cured meats and pure leaf lard. Agencies in all the principal cities of the United States and Europe. Packing houses: South Omaha, Neb., Sioux City, Ia., Los Angeles, Cal. Principal office, Chicago, Ill.                |             | Established in 1855. The purest soups and meats manufactured. Will keep in any climate. Try them.   |
| 83. Curtice Bros. Co., Rochester, N. Y.   |             | 96. Humbert, Henry, & Co., H-I  |
| a Canned meats and ketchup. C-F-3   | 36          | N. Y. Jelly, soups.   |
| b Canned vegetables and fruits; plum puddings and catsup.   | 37          | Our jelly and soups are made especially for the sick; great and unremitting care in selecting material used, and manufacture.   |
| Fresh fruits and vegetables in glass and tin; rich preserves, jams, marmalades and jellies; plum puddings; meat delicacies; "Blue Label" ketchup; all of extra quality. Established 1868. For sale by all first-class grocers.  |             | 97. Libby, McNeill & Libby, F-B   |
| 84. Curtice-Olney Co., Rochester, N. Y.   |             | a Potted meats, soups.  |
| a Canned corn and succotash. H-I-9  | 37          | b Beef extract.   |
| 84a. Dadirrian, Markar G., New York.  |             | 97a. Matzoon, Y. T. Co., Chicago, G-E   |
| Matzoon and matzol. H-E-9   | 37          | mented milk food.   |
| 85. Elgin Condensed Milk Co., Elgin, Ill.   |             | 98. Morris, Nelson, & Co., Chicago, D-C   |
| Condensed milk and cream. G-D-5   | 39          | a Dried beef.   |
| 86. Erie Preserving Company, Buffalo, N. Y.   |             | b Smoked pork, hams and bacon.  |
| a Canned vegetables. H-L-8  | 37          | c Extracts of beef and hog products.  |
| Proprietors of "Honey Dew" Fancy Brand, "Erie," "York State Apples, Gallons," "East Hamburg," "Niagara," "Princess," "Baby Boy," "Old Homestead Tomato Catsup." Business founded 1873. Originators and preservers of apples in gal. tins. Awarded gold medal New Orleans, 1884. Silver medal Paris, 1889. |             | 99. National Pure Food Co., Cincinnati, F-F-9   |
| 87. Fairbank Canning Company, Chicago.  |             | Canned soups, plum pudding, etc.  |
| a Canned meats. D-B-1   | 36          | 100. New York Condensed Milk Co., G-C-6   |
| b Canned soups.   | 37          | York. Condensed milk, evaporated cream.   |
| 89. Franco-American Food Co., New York.   |             | Also the Illinois Condensing Co., C   |
| a Game pates. F-I-7   | 36          | Manufacturers of the "Gail Borden Brand" condensed milk; also of the "C   |
| b Soups, etc.   | 37          | "Daisy," "Champion," "Magnolia"   |
| 90. Grand Traverse Chipped Potato Company, Traverse City, Mich.   |             | "Dime" brands. Prepared under the process invented by Gail Borden in 1  |
| Chipped potatoes. H-I-6   | 37          | 102. North Packing & Provision Co., D-D-0 & D-B-0   |
| 91. Groves, Jacob H., Portland, Maine.  |             | a Dried beef.   |
| Potato chips. H-K-4   | 37          | b Hams and bacon.   |
| 92. Heinz, H. J. Co., Pittsburg, Pa.  |             | c Salted meats.   |
| Fruit butter. F-D-7 & E-D-7   | 37          | d Tongues, tripe, pigs' feet, salt and pepsin.  |
| 93. Helvetia Milk Condensing Co., Highland, Ill.  |             | Packers and jobbers of provisions. Special attention given export orders for bacon, lard, dry salted meats, cure packed specially for all markets. address, North, P. O. box 5247, Boston |
| Evaporated cream. G-C-5   | 39          | 103. Schepp, Leopold, New York, C   |
| 94. Howell Condensed Milk & Cream Co., Goshen, N. Y.  |             | nut. F-F-5  |
| Evaporated milk and sterilized cream. G-E-5   | 39          | 104. Snider, The T. A., Preserve Co., F-B-9   |
| Evaporated milk unsweetened, purified and sterilized. Will keep in any climate. Manufactured by an improved process.  |             | cinnati. Soups.   |
|   |             | Snider's home-made catsup and soup the finest ever offered to the trade.  |
|   |             | 106. St. Charles Evaporated Cream Company, St. Charles, Ill.  |
|   |             | Evaporated cream. G-D-6   |
|   |             | Perfectly sterilized. Prepared without sugar or chemicals. Unrivalled as a food for babies and invalids, and culinary uses.   |

## Preserved Meats and Food Preparations, Dairy and Dairy Products.

Exhibit No.	Class'n No.
107. Straus, Elise, St. Louis. Food preparations.	H-Y-8 37
108. Swift and Company, Chicago.	
a Dried beef.	D-E-0 33
b Hams and bacon.	34
c Salted meats.	35
d Beef and hogs' feet and hog products.	37
e Fresh meats.	
Dressed beef, pork, mutton and veal, lard, soto-suet, sausage, barreled pork, barreled beef, pickled tongues, pickled pigs' feet, pickled tripe. Oleo oil, neatsfoot and lard oils, pepsin.	
109. Tanty, F., & Co., Chicago.	
a Canned meats, patés, game, etc.	36
b Soups and plum pudding.	F-D-4 37

## GROUP 7.

## The Dairy and Dairy Products.

110. American Mfg. Co., Waynesboro, Pa. Creamers.	H-J-1 44
111. Andrews, N. S., Dubuque, Iowa. Churns, milk testers.	D-1 44
112. Baldwin Woodenware Co., La Fayette, Ind. Churns.	I-E-1 44
113. Boyd, John, Chicago.	
a Creamer.	41
b Cream and cheese vats.	44
114. Buckeye Churn Co., Sidney, Ohio. Churns.	I-G-1 44
115. Columbia Cream Separator Co., Avon, N. Y. Cream separators.	I-D-1 44
116. Cornish, Curtis & Greene Mfg. Co., Fort Atkinson, Wis. Dairy implements.	I-K-1 44
Manufacturers of all kinds of apparatus for making butter and cheese, in the factory and on the farm; creamery and dairy churns; hand and power butter workers; cream and cheese vats; oil test churns; Curtis-Babcock milk tester; cheese presses; separators; boilers and engines.	
117. Cross, Isaac T., & Co., Watertown, N. Y. Churns.	H-I-1 44
118. Creamery Package Mfg. Co., Chicago. Dairy supplies and fittings.	H-B-1 44
Butter tubs, egg cases, fruit packages.	
119. Davis & Rankin Building & Manufacturing Co., Chicago. Dairy machinery.	I-F-1 44
Manufacturers of all kinds of creamery machinery and dairy supplies. Exclusive manufacturers of the famous Alexandria Lomo Separator. A specialty of the best hand separators made.	

Exhibit No.	Class'n No.
120. DeLaval Separator Co., New York. Cream separators, dairy implements.	I-H-1 44
Makers of the "Baby," "Alpha" and other DeLaval cream separators for dairy and creamery use. Capacities 150 to 3,600 lbs. milk per hour; 45,000 in use throughout the world. Manufactories and stores, Stockholm, Sweden, Poughkeepsie, N. Y., Elgin, Ill. Branch offices, Philadelphia, Pa., Elgin, Ill.	
121. Deucher, H. P., Company, Hamilton, Ohio. Churn.	E-R-10 44
122. Diamond Balance Churn Co., Ballston, N. Y. Churns.	H-D-1 44
123. Dickson, Charles J., Margaretville, N. Y. Cream raiser and cream heater.	I-E-1 41
123a. Dudley, C. E., M'fg Co., Grand Crossing, Ill. Combined churn washer and dishwasher.	H-G-1 44
124. Elsworth, Edw., & Co., New York. Dog biscuit.	41
125. Embree, P., & Son, West Chester, Pa. Butter worker.	I-C-1 44
127. Evans & Heulings, Haddonfield, N. J. Dairy appliances.	I-L-1 44
128. Flint Cabinet Creamery Co., Flint, Mich. Creamery supplies.	I-H-1 44
129. Genesee Salt Co., New York. Salt.	H-B-1 44
130. Hansen's, Chr., Laboratory, Little Falls, N. Y. Butter and cheese color and rennet extract.	I-E-1 44
131. Jack Frost Freezer Co., New York. Ice cream freezers.	H-C-1 41
132. Jaque, Joseph, St. Louis. Churn.	H-L-1 44
133. Leonard, Orin, Belvidere, Ill. Cream cooler.	H-G-1 44
134. Ludington Woodenware Co., Ludington, Mich. Butter molds, etc.	H-K-1 44
135. Magic Freezer Co., Chicago. Ice cream machines.	H-J-1 44
136. Marquis, James B., Norwich, N. Y.	
a Butter.	I-L-1 42
b Cheese manufacture.	43
137. Mears, C., & Son, Bloomsburg, Pa. Churn.	H-G-1 44
138. Moseley & Pritchard Mfg. Co., Clinton, Iowa. Dairy supplies.	I-C-1 44
139. North Western Butter & Cheese Co., Romeoville, Ill. Cheese. Dairy Bldg.	43
140. Reid, A. H., Philadelphia. Dairy appliances.	I-J-1 44
141. Romney, Caroline Wentcott, Chicago. Milk cooler.	I-I-1 41
142. Scoville, E. U., Manlius, N. Y. Faucets.	I-F-1 44

## Dairy and Dairy Products, Tea, Coffee, Spices and Vegetable Substances.

Exhibit  
No.  
142a. Seaman, Cox & Brown Cooperage  
Co., Chicago. Kegs and barrels.

H-C-1 44

For liquor, cider, white lead, butter, etc.

143. Sharples, Philip M., Elgin, Ill. Cream  
separators.

H-I-1 44

Has built over half the separators now in use  
in the United States. The bowl alone re-  
volves. Offices: Elgin, Ill.; West Chester,  
Pa., and Council Bluffs, Iowa. No engine is  
needed to run these machines. A jet of  
steam striking the bowl furnishes power.

144. Simpson, McIntire & Co., Boston.  
Butter in sealed tins.

H-G-8 42

Finest diamond creamery butter packed in  
hermetically sealed tins for export and in-  
terior points. Highest awards received in  
its class when exhibited. Gold, silver and  
bronze medals. Packed in 1, 2, 3, 5 and 7  
pound tins.

145. Strickler, J. S., & Co., Sterling, Ill.  
Butter color.

I-B-1 44

146. Thatcher Mfg. Co., Potsdam, N. Y.  
Dairy supplies.

I-K-1 44

Manufacturers of the celebrated Thatcher's  
orange butter color. Common sense glass  
milk jar. Condensed milk tumblers. Glass,  
cheese and butter crocks. Milk dealers'  
supplies. Milk jar fillers, etc.

147. Upton Mfg. Co., West Upton, Mass.  
Milk aerator.

H-L-1 41

148. Vermont Farm Machine Company,  
Bellows Falls, Vt. Dairy appliances.

I-M-1 44

Manufacturers of everything for handling  
milk and cream in the dairy, creamery and  
cheese factory. Creamers, churns, butter  
workers. All styles and sizes of cream  
separators and butter extractors for dairy  
and factory. Babcock milk testers, boilers,  
engines, etc.

149. Watson, Abraham, New York. Ice  
cream freezers.

J-C-1 44

150. Wells & Richardson Co., Burlington,  
Vt. Butter and cheese color.

I-J-1 44

150a. Worthington, H. R., New York.  
Vacuum pumps and condensers.

Dept. F 41

## GROUP 8.

Tea, Coffee, Spices, Hops, and Aromatic  
and Vegetable Substances.

151. Antonsanrti, M., & Co., New Dorp,  
N. Y. Sauces.

F-H-5 47

152. Baker, Walter, & Co., Dorchester,  
Mass. Chocolate and cocoa.

G-G-4 45

Visit our special building, opposite Manu-  
factures Building. Try our Breakfast Cocoa  
and Chocolate Soda, and get a copy of Miss

Exhibit  
No.

Parloa's receipt book. Our Coco  
tions are absolutely pure, and ar  
clusively in the New York Cooki  
exhibit, and the New England

153. Baron Machine Co., Balti  
Cigar bunching machine.

The only practical long-filler m  
commercial use. 28 of them in o  
in New York; saves over \$175 a d

153a. Blue Grass Tobacco Co., L  
Ky. Chewing and smoking toba

153b. Cardwell Machine Co., R  
Va. Plug and smoking tobacco

ery.

154. Clark Coffee Co., Boston. C  
tion of cocoa and coffee.

155. Consolidated Cigarette Comp  
York. Cigarettes.

156. 150 Connecticut Farmers. C  
cut leaf tobacco.

157. Curtice Bros. Co., Rocheste  
Tomato ketchup.

158. Devoe, Augustus A., Spotswo  
Snuff.

159. Dieter, The J. P., Co., Chicag  
a Roasted coffees.

b Spices and mustard.

160. Doan, H. A., Philadelphia. Pul  
coffee.

161. Durkee, E. R., & Co., New  
Spices, mustard, sauces, etc.

162. Ellinger, Julius, & Co., New  
Cigars.

Specialty made of clear Havana cig  
their Florida factory. Leading bran

Francesca, Clinton, John Crerar, etc.

"Lyceum Bouquet" manufactured at  
factory, is their Sumatra wrapper at

vana filler product. This firm operates  
69 & 58 1st D. of Fla. and No. 19, 2d N

163. Empire State Cigar Machine  
pany, Philadelphia. Cigar machine

164. Garcia, F. A., & Co., New  
Cigars.

165. Gits & Van Hee, Ghent, M  
Chicory coffee and root.

166. Graf, Wm., & Co., Milwaukee,  
Cigars.

167. Gulden, Chas., New York. Must  
F-I-7

168. Heinz, H. J., Co., Pittsburg,  
Pickles and other condiments.

F-E-7 & F-D-7

Have 29 branches in the principal citie  
the U. S. Have 30 medals and awards,  
cluding gold medal at Paris, 1889. F

ories have over 10 acres of floor space.

## Tea, Coffee, Spices, etc., Animal and Vegetable Fibres.

Exhibit No.	Class No.
170. International Cigarette Machine Co., Richmond, Va. Cigarette machines.	I-M-8 49
171. Kerbs, Wertheim & Shiffer, New York. Cigars.	I-C-9 52
Manufacturers of the "La Flor de General Arthur" cigars. Their output of cigars for the year 1892 was 50,000,000.	
172. Kimball, Francis A., National City, Cal. Olives.	H-F-6 47
173. Krembs & Co., Chicago. Chicory.	H-D-7 45
174. Kresl & Mallue, Chicago. Cigar molds, manufacturers' supplies. Sec. I 49	
175. Kyriazi freres, Cairo, Egypt. Cigarettes.	I-F-8 52
Largest shippers of Egyptian cigarettes.	
176. Lompoc Exhibit, Santa Barbara, Cal. Mustard.	Sec. H 47
177. Lorillard, P., Co., Jersey City, N. J. a Tobaccos.	I-B-9 51
b Snuff.	52
178. Lozano, Pendas & Co., New York. Cigars.	I-E-7 52
179. Maillard, Henry, New York. Cocoa; chocolate.	Q-B-7 45
180. McIlheny's Son, E., New Iberia, La. Pepper sauce; pepper.	H-K-7 47
181. Millar, E. B., & Co., Chicago. Spices; condiments.	H-B-9 47
181a. Nash, Whiton & Co., New York. Salt.	H-F-1 47
182. National Pure Food Co., Cincinnati. Catsup.	F-F-9 47
183. Nestor Gianacis, Cairo, Egypt. Cigarettes.	I-G-9 52
184. New England Tobacco Growers' Ass'n, Poquonock, Conn. Leaf tobacco.	I-G-9 48
185. New England Tobacco Growers' Ass'n, East Hartford, Conn. Leaf tobacco.	I-G-8 48
President H. S. Frye, Poquonock, Conn. Exhibit made by 150 Connecticut farmers.	
186. New York Condensed Milk Co., New York. Extract of coffee.	G-C-6 45
187. Ottenberg, L., & Co., New York. Cigars.	I-G-9 52
Finest clear Havana cigars and largest variety with Havana filler and Sumatra wrapper, hand-made. "Mountain Rose" and "Hazel Kirke" are our leading brands.	
188. Portuondo, Juan F., Cigar Mfg. Co., Philadelphia. Cigars.	I-E-9 52
Manufacturers of "La Flor de Portuondo" Cuban handmade cigars. Pure and free from artificial flavor, unsurpassed in quality, yellowness and aroma. Beware of imitations. Address 1110-1116 Sanson St. W.	

Exhibit No.	Class No.
L. Hagans, General Western Agent, 72 Wabash Ave., Chicago.	
189. Richardson, Chas., Fredericksburg, Va. Pickles.	H-K-7 47
190. Sanchez & Haya, New York. Cigars.	I-K-7 52
191. Seidenberg & Co., New York. Cigars.	I-H-7 52
Manufacturers of clear Havana Key West and fine New York seed and Havana cigars. Medal and certificate of special mention at Centennial Exhibition, Philadelphia, 1876, for excellence of quality and workmanship. Factories: Key West, Fla., and New York:	
192. Snider, T. A., Preserve Co., Cincinnati. Chili sauce and catsup.	F-B-9 47
193. Stachelberg, M., & Co., New York. Cigars.	I-L-7 52
Havana cigars made of the choicest vegas of Vuelta Abajo tobacco. Sold in every state and territory in the union. Offices, 159-161 So. 5th Av., New York; 60 Wabash Av., Chicago; Animas 180 Havana, Cuba. Our factory, No. 290, 2d district, New York, is printed on the bottom of every box.	
194. Stahl, Jacob, Jr., & Co., New York. Cigars.	I-D-8 51
Makers of Hotel Brunswick, Royal Standard, Seal of Columbia, Los Famosos and Flor de Dante Havana cigars.	
195. Surbrug, John W., New York. Smoking tobacco.	I-D-9 51
196. Upmann, Carl, New York. Cigars.	I-K-9 52
197. Vallenga, Eugene, & Co., Chicago. Cigars.	I-D-7 52
198. Van Houten, C. J., & Zoon, Chicago. Cocoa. Special bldg.	45
Branches: London, Paris, Melbourne, Düsseldorf; New York. 106 and 108 Reade St.; Chicago, 45 to 51 Wabash Ave. Manufacturers of Van Houten's world-famed cocoa. Best and goes farthest.	
199. Warren Cigar Co., Flint, Mich. Cigars.	I-H-7 52
201. Ybor, V. M., & Manrara, New York. Cigars.	I-F-7 52

## GROUP 9.

## Animal and Vegetable Fibres.

203. Armour & Co., Chicago. Wool.	D-A-1 60
204. Bradley, David, Manufacturing Company, Chicago. Cotton planters.	E-J-10 55
205. Brinker, Jos. H., West Point, Miss. Baled cotton.	C-D-0 53
206. Chase Cotton Gin Company, Milford, Mass. Cotton gins.	E-R-1 55

## Animal and Vegetable Fibres, Pure and Mineral Waters, Natural and Artificial.

- | Exhibit No.  | Class'n No. |
|--|-------------|
| 207. Deere & Mansur Co., Moline, Ill. Cotton planter.  | E-G-10 55   |
| 208. Eagle Cotton Gin Company, Bridge-water, Mass. Cotton gins, conveyors, press, etc.   | E-Q-1 55    |
| (Formerly Bates, Hyde & Co.) Est. 1833, incorp'd 1877. Sole mfrs. of the celebrated Eagle cotton gins, feeders and condensers, well known for superior workmanship and durability. In general use in every cotton growing country in the world. Complete suction elevator system, etc. |             |
| 209. Engelberg Huller Company, Syracuse, N. Y. Cotton gin.   | E-C-5 55    |
| 209a. Gentry, N. H., Sedalia, Mo. Wool.  | Sec. G 60   |
| 209b. Grubnau, Carl, Philadelphia. Wool, hair and nails.   | Sec. G 60   |
| 210. Gullett Gin Company, Amite City, La. Cotton gins, distributors, press, etc.   | E-R-1 55    |
| 211. Hussey, Geo. B., Providence, R. I. Bale covers.   | F-D-4 55    |
| 211a. Jenizen, E. M., & Bro., Shawmut, Montana. Fleece of wool.  | Sec. G 60   |
| 211b. Kugler John, Stanbury, Mo. Wool.   | Sec. G 60   |
| 212. Laney, Arnon, Miles City, Mont. Fleece of wool.   | Sec. G 60   |
| 213. Martin, Robert J., Billings, Mont. Fleeces of wool.   | Sec. G 60   |
| 214. McGirl, Thomas, Billings, Mont. Wool.   | Sec. G 60   |
| 215. Munger Improved Cotton Machine M'fg Co., Dallas, Texas, and Birmingham, Ala. Cotton gin, presses and machinery.   | E-R-2 55    |
| Manufacturers of Munger's patent gins, feeders, condensers, suction, elevators, cleaners and distributors, revolving double-box self-packing presses, flue system of handling lint cotton, seed blowing elevators and gin saw sharpeners.  |             |
| 217. National Cotton Gin & Wool Burrer Co., Boston. Cotton gin, feeder and wool burrer.  | E-R-1 55    |
| 218. Scott, T. A., Huntsville, Mo. Wool.   | Sec. G 60   |
| 219. Wallis, Linspenard Cotton Picker & Machinery Co., New York. Cotton picker.  | 55          |
| 219a. Woman's Silk Culture Ass'n, Philadelphia.  |             |
| a Silk products representing silk culture in the United States.  |             |
| b Cocoons.   |             |
| c Silk flags and American made reels.  |             |

## GROUP 10.

## Pure and Mineral Waters, Natural and Artificial.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 220. Allouez Mineral Spring Co. Bay, Wis. Mineral water, ginger   | I-G         |
| 221. Bowden Lithia Springs Co. Springs, Ga. Mineral water.  | I-F         |
| 222. Brown & Logan, Chicago. water.   | J-E         |
| 223. Burr, William H., Janesville. Mineral water.   | I-J         |
| 224. Excelsior Springs Company, sior Springs, Mo. Mineral water, ginger ale.  | I-C-5&I-D-  |
| 225. Forbes, J. P., & Co., San Francisco. Mineral water.  | I-E-        |
| 226. Garrigues, Samuel F. W., New York. Mineral water.  | G-M-8       |
| 227. Goode, Thomas F., Buffalo Springs, Va. Mineral water.  | I-D-4       |
| 228. Londonderry Lithia Spring Co., Nashua, N.H. Mineral water.   | I-D-4       |
| 229. Manitou Mineral Water Co., Manitou, Colo. Mineral waters, ginger champagne and sarsaparilla.   | I-B-4       |
| Natural soda water, from "Manitou" spring recharged solely with natural carbonic gas. Ginger root and fruit flavors natural soda water, recharged solely natural carbonic acid gas. Natural water from Ute Iron Spring, Manitou, bottled at springs, not carbonated.    |             |
| 229a. Morgan, John, New York. Mineral water.  |             |
| Of superior quality and recognized and will satisfy the most exacting taste. "I know of no tonic," said an old epicurean. "like good mineral water. It gives rosier tinge, makes a man pleased with himself and satisfied with his neighbor. Drink our mineral waters." |             |
| 230. Natural Mineral Water Co., Springs, Idaho. Mineral water.  |             |
| 231. Ricker, Hiram, & Sons, Springfield, Me. Mineral water.   | I-B-6       |
| Handsome illustrated catalogue of Products of the Spring can be had at our exhibit.   |             |
| 232. Ries, Jacob, Shakopee, Minn.   |             |
| a Natural mineral waters.   |             |
| b Ginger ale, sarsaparilla, soda, etc.  |             |
| 233. Salutaris Co., St. Clair Springs, Mich. Mineral water.   | I-C-5       |
| Salutaris is a natural gaseous alkaline mineral water of absolute purity. It may be drunk copiously, year after year, with the most beneficial effects. Is a preventive of disordered   |             |

## Pure and Mineral Waters, Whiskies, Liqueurs, Malt Liquors.

Exhibit No.	Class'n No.
drugs of the bowels, and valuable in the preservation of health in districts exposed to malaria and epidemic.	
234. Schmidt, J. P. C., Green Bay, Wis.	
Mineral water.	I-E-4 64
Acknowledged by all leading physicians the most effective and pleasant remedy for kidney, liver and stomach diseases.	
235. Stafford Mineral Spring & Hotel Co., New Orleans.	
Mineral water.	G-F-9 64
236. Underwood Co., Falmouth Foreside, Maine.	
Mineral water.	I-K-6 64
237. Waukesha Lithia Spring Co., Chicago.	
Mineral water.	I-G-6 64
238. Waukesha Lithia Spring Co., Waukesha, Wis.	
Mineral water.	I-G-6 64

## GROUP 11.

## Whiskies, Cider, Liqueurs and Alcohol.

239. Bernheim Bros., Louisville, Ky.	
Sour mash whiskies.	South of Annex 66
Distillers of Old Fashion, Hand Made, Sour Mash Bourbon, and Rye whiskies. Own the celebrated brands "I. W. Harper" and "Old Continental" whiskies. Gold medal at New Orleans Exposition. Recognized as the largest distributors of fine Kentucky whiskies in the U. S. Annual sales about \$3,000,000.	
240. Barrell Bros., Freeport, Ill.	
Vinegar.	H-G-9 71
240a. Curtice Brothers Co., Rochester, N. Y.	
Barley malt vinegar.	C-G-3 71
241. Cushing Process Company, Boston.	
a Bourbon and rye whiskies.	H-G-7 66
b Rum and brandy.	67
242. Dallemard & Co., Chicago.	
Rye whisky.	I-L-5 66
243. De Lissa, Alpha S., Philadelphia.	
Fancy drinks and cocktails.	I-G-4 70
244. Franchi, Emilio M., New York.	
Vermouth.	Sec. I 69
245. Geckenheimer, A., & Bros., Pittsburgh, Pa.	
Malt and rye whisky.	I-L-5 66
Double copper distilled from the choicest of rye and barley malt obtainable; absolutely pure; acknowledged by the trade and connoisseurs as the old reliable and the standard of perfection; medal awarded at Paris Exposition, 1878.	
245a. Hamburger Co., Chicago.	
Rye whisky.	I-K-4; 56-J 66
246. Hannis Distilling Company, Philadelphia.	
Rye whiskies.	I-J-5 66
247. Heinz, H. J., Co., Pittsburgh, Pa.	
Vinegar.	F-D-7 & E-7 71
248. Large Distilling Company, Pittsburgh, Pa.	
Whisky.	I-F-5 66
249. Lee, J. L., Williamstown, Ky.	
Bourbon whisky.	I-H-5 66

Exhibit No.	Class'n No.
250. Lockhart Chemical Co., Chicago.	
Orange cider.	H-G-9 71
Manufacturing chemists. Pure flavoring extracts, proprietary medicines, toilet and household articles, inks and mucilages. Specialties: California orange cider, wild cherry phosphate and aromatic ginger ale. Laboratory and office, 3841 Vincennes Ave.	
251. Mattingly & Moore Distilling Co., Bardstown, Ky.	
Whisky.	I-K-5 66
252. Mihalovitch, Fletcher, & Co., Cincinnati.	
Liquors in cases.	I-I-6 66
253. Moore & Sinnott, Philadelphia.	
Whisky.	I-J-6 66
253a. Old Times Distillery Co., Louisville, Ky.	
Whisky.	66
"Old Times," "Kentucky Comfort," "Gladstone," finest grades sour mash; extensively used medicinally owing to their well-known purity. See process of distillation at "Distillery Exhibit," the recognized headquarters for everything pertaining to the distilling interests of Kentucky.	
254. Osborn, John, Son & Co., New York.	
Rye whisky.	I-K-4 66
256. Rheinstrom Bros., Cincinnati.	
a Whiskies.	I-F-5 66
b Liqueurs.	69
c Bitters.	70
256a. Rossi, P. C., San Francisco.	
Vermouth.	70
257. Schuetz, Renziehausen & Co., Pittsburgh.	
Rye whisky.	I-M-5 66
258. Ulman-Goldsborough Co., Baltimore.	
Whiskies.	I-J-4 66
259. Wolfe's Udolpho, Son & Co., New York.	
Schnapps.	I-H-4 69
Wolfe's Schiedam Aromatic Schnapps has been so long favorably known that no encomiums upon it are needed. Since its introduction millions of bottles have been sold, largely to families. In compounding medicines it is largely used as a stimulant, and is just as efficient by itself.	

## GROUP 12.

## Malt Liquors.

260. Anheuser-Busch Brewing Association, St. Louis.	
Lager beer.	I-M-10 73
261. Barrett Brewing Co., Cleveland, Ohio.	
Beer, ale, porter.	Sec. I 73
262. Beadleston & Woerz, New York.	
Lager beer, ales, porter.	G-M-7 73
263. Bergner & Engel Brewing Co., Philadelphia.	
Beer, ale, porter.	I-M-9 73
264. Besley's Waukegan Brewing Company, Waukegan, Ill.	
Ale and porter.	G-N-5 73

## Malt Liquors, Machinery for Fermenting, Distilling, Etc., Farms and Farm

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
265. Betz, John F., & Son, Philadelphia.		289. German American Filter	
Beer, ale, stout.	G-N-5 73	New York. Beer filtering app	E-
266. Evans, C. H., & Sons, Hudson, N. Y.		292. Olsen & Tilgner, Chicago.	
Ale, stout.	G-O-5 73	mash machine and malt mill.	
268. Hires, Chas. E., Co., Philadelphia.		293. Saladin Pneumatic Malting	
Root beer in packages.	I-M-5 73	tion Co., Chicago. Germinating	
269. Lammers, C. A., Denver, Col. Beer.		ment and malting grain.	E
	G-M-6 73	294. Stollstorff, August, Chic	
270. Lemp Brewing Co., William J., St.		volving branding iron.	E-R
Louis. Beer.	G-M-9 73	294a. Worthington, H. R., No	
Brewers of the world-renowned Lemp's Ex-		Distillery pumps.	Dep
tra Pale, Standard and Culmbacher; shipped			
to all parts of the globe, both in wood and			
glass. Capacity 750,000 barrels. Annual			
sales 500,000 barrels and 10,000,000 bottles.			
Orders solicited. A hearty welcome to all			
to inspect our plant at St. Louis.			
271. Liebmann's, S., Sons Brewing Co.,			
Brooklyn, N. Y. Lager beer.	G-M-8 73		
272. Mayer, David, Brewing Co., New			
York. Lager beer, ales.	I-O-4 73		
Highest award, Philadelphia, 1876; Ameri-			
cian Institute, N. Y., 1891-1892.			
273. Moerlein, Christian, Brewing Co.,			
Cincinnati. Lager beer.	I-M-7 73		
274. New Orleans Brewing Association,			
New Orleans. Beer.	G-M-7 73		
275. North Western Brewing Co., Chi-			
cago. Lager beer.	I-M-8 73		
276. Pabst Brewing Co., Milwaukee, Wis.			
a Malt extract.	G-M-10 72		
b Beer.	73		
278. Schlitz, Jos., Brewing Co., Milwau-			
kee, Wis. Lager beer.	I-H-5 73		
279. Smith, Robert, India Pale Ale Brew-			
ing Co., Philadelphia.			
a Malt extract.	G-M-8 72		
b Ale, stout.	73		
280. Stroh, B., Brewing Co., Detroit,			
Mich. Lager beer.	G-M-6 73		
282. Voigt Brewery Company, The,			
Detroit, Mich.			
a Extract of malt.	I-M-8 72		
b Beer.	73		
283. Weidemann, Geo., Brewing Co.,			
Newport, Ky. Beer.	73		
284. Weiss, Geo. A., Malting & Elevator			
Co., Chicago. Barley malt.	G-M-7 72		

## GROUP 13.

## Machinery, Processes and Appliances of Fermenting, Distilling, Bottling and Storing Beverages.

286. Behringer Malt Cleaning Machine Company, Lansing, Ill. Malt cleaning machine. E-A-1 76
288. Crown Cork & Seal Co., Baltimore. Machinery for sealing bottles. E-A-2 77

## GROUP 14.

## Farms and Farm Building

295. Allis, Elliot W., Adrian, M  
manent and portable fence.  
Fence exhibit
- 295a. American Well Works, Au  
Ditching machine. B
296. Andre, T. J., Wauscon, Ohio  
and wire stretcher. Fence exhibi
- 296a. Barber, Joseph G., Brodhe  
Farm gates. Fence exhibit
297. Barnes Iron Fence Co., Phila  
Iron and steel fences. Fence exhibi
298. Bonnaffon, Albert L., Phila  
Steel fence. Fence exhibit
299. Buckley, C. E., Dover Plains  
Stable fittings. Live Stock Pav.
300. Cochran & Co., Ionia, Mich.  
fence weaving machine.  
Fence exhibit
301. Cornell, Geo. E., East St  
Mich. Gate. Fence exhibit
302. Crane, J. J., Sannertown,  
Metal fence post and hooks.  
Fence exhibit
303. Eureka Gate Co., Waterloo,  
Gates. Fence exhibit
304. Hack, Peter, Michigan City  
Gate. Fence exhibit
305. Hunley, Harris & Co., Richmor  
Hedge and wire fence.  
Fence exhibit
306. Jackson, George, Mapleton,  
Stable fittings. Live Stock Pav.
307. Jones National Fence Co., Colu  
Ohio. Wire fence. Fence exhibit
308. Mast, Foos & Co., Springfield,  
Fencing. Fence exhibit
309. Taylor, Andrew W., Wayne,  
Gate and spike puller.  
Fence exhibit
310. Thompson, A. L., East Avon,  
Tightener and fastener for wire fer  
Fence exhibit

## Literature and Statistics of Agriculture, Farming Tools, Implements and Machinery.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 300a. White, W. R., Bloomington, Ill.   |             |
| Farm gates, etc. Fence exhibit  | 79          |
| \$1,000 worth sold in a county. \$20,000 worth sold in one town. See us. One state a fortune. |             |

## GROUP 15.

## Literature and Statistics of Agriculture.

- |   |          |
|---|----------|
| 300b. Agricultural Colleges and Experiment Stations of the United States (in co-operation with the United States Department of Agriculture). Publications and charts; equipment and lines of work of individual institutions; appliances and methods of instruction in agriculture, horticulture, chemistry, biology, mechanic arts, mechanical engineering, domestic and fine arts in agricultural colleges; methods and results of experiments by agricultural experiment stations. |          |
|   | M-M-3 83 |

## GROUP 16.

## Farming Tools, Implements and Machinery.

- |  |                        |
|--|------------------------|
| 300c. Adriansce, Platt & Co., Poughkeepsie, N. Y. Binder, reaper, mowers and dropper.  | E-N-8 86               |
| Offices, New York City, Hamburg, Paris.  |                        |
| 31. Aermotor Company, Chicago. Wind mills, feed grinders and cutters.  |                        |
|  | Windmill ex. 88        |
| For farms, villages, railroads, irrigation and electric lighting plants. Windmills and towers all steel, all galvanized. Railroad and farm tanks, pumps, feed grinders, cutters and water supply fixtures. The originators of the modern steel windmill, steel fixed and tilting towers. |                        |
| 313. Aldrich, Wm. H., Logansport, Ind.   |                        |
| Wind engines.  | Windmill ex. 88        |
| 314. Allen, S. L., & Co., Philadelphia.  |                        |
| Drills, plows, cultivators, hillers and diggers.   | E-N-10 84              |
| 315. Althouse Wheeler Company, Wau-pun, Wis. Wind and grinding mills.  |                        |
|  | Windmill ex. 88        |
| 317. American Harrow Company, Detroit, Mich.   |                        |
| a Harrow, cultivator, seeder and plow.   | E-P-8 84               |
| b Stalk cutter and bean harvester.   | 88                     |
| 318. American Tillage Company, New York. Steam plow and seeder.  |                        |
|  | Traction engine ex. 84 |
| 319. American Well Works, Aurora, Ill.   |                        |
| a Windmill, pumps.   | Windmill ex. 88        |
| b Steam ditcher.   | E-M-11 89              |

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 320. Ann Arbor Agricultural Company, Ann Arbor, Mich. | E-P-5       |
| a Hay press.  | 87          |
| b Hay cutters, horse power and jack.                  | 88          |

The credit for this neat exhibit really belongs to Montgomery Ward & Co., Chicago agents for the A. A. A. Co. This firm has an exhibit in this building, as well as an exhibit of road graders and scrapers in the Transportation Building. Their salesrooms at Michigan Avenue and Madison Street, Chicago, cover 9 floors, 150x165 feet, and contain 750 employes. Their sales are nearly one million dollars each month, and the peculiar feature of their business is that they sell to the out-of-town trade exclusively. Visitors are invited to inspect their establishment.

- |  |                 |
|--|-----------------|
| 321. Appleton Manufacturing Company, Appleton, Wis.  | E-C-4           |
| a Seeder.  | 85              |
| b Corn shellers.   | 87              |
| c Feed cutters, grinding mill, etc.  | 88              |
| 323. Astor, John Jacob, New York. Road improver.   | E-E-10 89       |
| A light two-wheeled machine, with axle geared to operate a powerful rotary blower producing an air-blast readily directed by the driver to entirely remove or deposit at the side of the road all dust and worn-out road material. |                 |
| 323a. Aultman, Miller & Co., Akron, Ohio. Binders and mowers, and binder twine.  |                 |
|  | E-I-9 86        |
| 324. Aultman & Taylor Machinery Co., Mansfield, Ohio.  | E-A-9           |
| a Straw stacker.   | 86              |
| b Threshing machines.  | 87              |
| c Traction engine.   | 89              |
| 325. Avery, B. F., & Sons, Louisville, Ky.   |                 |
| a Cultivators and plows.   | E-H-11 84       |
| b Planters and sugar-land implements.  | 85              |
| 326. Avery Planter Company, Peoria, Ill.   |                 |
| a Cultivators.   | E-K-11 84       |
| b Planter and check rower; drill.  | 85              |
| 328. Austin, F. C., Manufacturing Company, Chicago.  |                 |
| a Steam generator, feed mills and cutters.   | E-E-11 88       |
| b Road machines and rollers.   | 89              |
| See the goods marked B at our exhibit in the Transportation Annex, Section A-10.   |                 |
| 329. Baker Manufacturing Company, Evansville, Wis. Windmills.  |                 |
|  | Windmill ex. 88 |
| 330. Barlow Corn Planter Co., Quincy, Ill.   |                 |
| Corn planters.   | E-M-1 8.        |

## Farming Tools, Implements and Machinery.

- | Exhibit No.   | Class'n No.       | Exhibit No.  | Class'n No. |
|---|-------------------|--|-------------|
| 331. Bateman, E. S. & F., Greenloch, N. J.  |                   | 347. Brook Lawn Farm Company, N. Y.  |             |
| a Cultivators and plows.  | E-O-1 84          | Fruit press.   | E-1         |
| b Drills.   | 85                | 348. Buchanan, Jos. W., Ind.   |             |
| "Iron Age" trade mark adopted 1875. Business established in 1836.   |                   | Ind. Plows.  | E-L         |
| 332. Bayless, Frank, Wilberforce, Ohio.   |                   | 348a. Bucher & Gibbs Plow Co., Ohio.   |             |
| Corn planter.   | E-E-9 85          | a Plows.   | E-L         |
| 333. Belle City Manufacturing Company, Racine, Wis.   |                   | b Harrows.   |             |
| a Threshing machine.  | E-P-5 87          | c Land rollers.  |             |
| b Horse powers and feed cutters.  | 88                | Imperial chilled and steel, hand gang plows, all sizes. Steel and lever-harrows, tubular-land rollers,   |             |
| 334. Bender, John O., & Co., Fayetteville, N. Y.  |                   | 349. Butterworth, Robert, Chicago.   |             |
| Transplanting machine.  | E-R-11 85         | presses.   | E-E         |
| 335. Benster, Olin W., Toledo, Ohio.  |                   | 350. Cardwell Machine Co., Richmond, Va.   |             |
| Wind engine.  | Windmill ex. 88   | a Hydraulic cotton and wool presses.   | E-C         |
| 336. Bickford & Huffman Co., Macedon, N. Y.   |                   | b Cotton seed oil mill machinery.  |             |
| Fertilizer grain drill.   | E-P-3 85          | Threshing machines and pea nut machine.  |             |
| 336a. Bilz, J. A., Pleasanton, Cal.   |                   | Plug and smoking tobacco machinery.  |             |
| Plows.  | E-L-11 84         | 351. Cascaden, Thomas, Waterloo, Ont.  |             |
| 337. Birdsall Company, Auburn, N. Y.  |                   | Farm kettles and feed grinders.  | E           |
| a Thresher and separator.   | E-B-11 87         | 352. Challenge Windmill & Feedmill, Batavia, Ill.  |             |
| b Traction engine.  | 89                | Windmills, tanks, feeders, corn shellers, etc. Windmill ex.  |             |
| 339. Birdsell Manufacturing Company, South Bend, Ind.   |                   | 353. Champion Drill Company, Avon, Mass.   |             |
| Clover hullers.   | E-B-11 87         | Grain and fertilizer drills.   | E-N-2       |
| 340. Bissell Chilled Plow Works, South Bend, Ind.   |                   | 354. Chanler, John A., New York.   |             |
| Plows.  | E-P-11 84         | of constructing roads.   |             |
| Chilled plows, riding plows, gang plows, patent reversible share plows, "O" series sloping landside plows.  |                   | 62d St. Entrance   |             |
| 341. Bowman & Allen, Dayton, Ohio.  |                   | This system of street construction available in original cost 40 per cent. cheaper granite and 20 per cent. cheaper than asphalt. As the rails relieve the street per cent. of the wear, it is thus more durable than either and less expensive in maintenance. Address Equitable Building |             |
| Tobacco hiller.   | E-R-6 84          | 355. Chattanooga Plow Company, Chattanooga, Tenn.  |             |
| 342. Bowsher, D. J., & Sons, Cadillac, Mich.  |                   | a Plows.   | E-E-11      |
| Combination planter.  | E-M-11 85         | b Cane mills, evaporators and kettles.   |             |
| 343. Bowsher, N. P., South Bend, Ind.   |                   | Chilled metal turning plows.   |             |
| Feed mills.   | E-E-4 88          | Special patterns for export trade.   |             |
| Conical shaped grinders. Entire departure from all others. Lightest running, strongest and handiest made. With or without baggers. All sizes. Time-proven.                                      |                   | 356. Climax Road Machine Company, Marathon, N. Y.  |             |
| 344. Boyle & Calleton, Grand Rapids, Mich.  |                   | Road exhibit   |             |
| Portable engine.  | South of Annex 88 | 357. Clipper Chilled Plow Company, Elmira, N. Y.   |             |
| 345. Bradley, David, Manufacturing Company, Chicago.  |                   | a Plows, harrows and cultivators.  | E-O-11      |
| a Plows, cultivators and harrows.   | 86                | b Hay rake.  |             |
| b Stalk cutters.  | 88                | 358. Coates, A. W., Company, Alliance, Ohio.   |             |
| Makers of "Garden City Clipper" plows and other agricultural implements for over half a century. These plows are known the world over for two things—correct shape and a uniformly hard temper. |                   | Hay rakes.   | E-E-5       |
| 346. Brennan & Co., Louisville, Ky.   |                   | 359. Cole Bros. Prong Plow Co., Greencastle, Ind.  |             |
| a Grain drill, spring hoe, drill and fertilizer.  | 85                | Prong plow.  | E-L-11      |
| b Cane mill and evaporator.   | E-N-4 88          | 360. Collins Plow Co., Quincy, Ill.  |             |
|   |                   | a Plows and cultivators.   | E-R-10      |
|   |                   | b Baling presses.  |             |

## Farming Tools, Implements and Machinery.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
371. <b>Columbian Cordage Company, Auburn, N. Y.</b> Binding twine. E-R-2	86	379. <b>Eclipse Corn Planter Co., Enfield, N. H.</b> Corn planter and fertilizer distributor. E-R-11	85
372. <b>Common Sense Engine Company, Muncie, Ind.</b> E-P-6		380. <b>Eclipse Manufacturing Company, Middlebury, Conn.</b> Grain and seed separator and grader. E-P-10	87
a Corn planters and check rowers. 85		381. <b>Eclipse Wind Engine Company, Beloit, Wis.</b> Windmill. Windmill ex. 88	
b Grinding mill and upright engine. 88		Eclipse pumping and geared windmills. Beloit steel mills and towers, stock tanks. Creamery tanks. Windmill machinery. 382. <b>Elliott, Wm. S. G., &amp; Son, Walden, N. Y.</b> Mowing machine. E-M-1	86
374. <b>Crane Machine Company, Baltimore.</b> Combined roller, drill and harrow. E-P-7	84	383. <b>Emerson, Talcott &amp; Co., Rockford, Ill.</b> Mowers, tedders, rakes. E-G-7	86
375. <b>Craver &amp; Steele Mfg. Co., Harvey,</b> E-E-5	86	Also manufacturers of horse corn planters, check rowers, cotton planters, cultivators and side delivery hay rakes. 384. <b>Empire Drill Co., Shortsville, N. Y.</b> Grain drills, plaster sower. E-N-5	85
a Grain header. E-E-5	86	385. <b>Engelberg Huller Company, Syracuse, N. Y.</b> Rice and coffee huller. E-C-5	87
b Grain drill and pea planter. 85		386. <b>Enreka Mower Company, Utica, N. Y.</b> E-E-3	86
376. <b>Crown Point Manufacturing Company, Crown Point, Ind.</b> Feed mill and horse power. E-A-3	88	a Mower. E-E-3	86
377. <b>Cutaway Harrow Company, Higganum, Conn.</b> E-R-10		b Harrow and cultivator. 84	
a Harrows, plows and cultivators. 84		387. <b>Everitt, James A., Indianapolis, Ind.</b> E-E-9	84
b Root cutter, tool grinder, etc. 88		a Cultivator and plow. E-E-9	84
378. <b>Davenport, Joseph P., Downers Grove, Ill.</b> Potato planter. E-E-10	84	b Seed drill. 85	
379. <b>Dayton Farm Implement Company, Dayton, O.</b> Harrows and combined harrow and seeder. E-R-11	84	389. <b>Excelsior Harrow Company, Big Springs, Ohio.</b> Harrow and pulverizer. E-E-10	84
379a. <b>Dean &amp; Mahan, Chicago.</b> Combination truck. E-R-6	88	390. <b>Famous Manufacturing Company, Chicago.</b> Baling presses. E-P-3	86
379. <b>Decorah Windmill Co., Decorah, Ia.</b> Windmills. Windmill ex. 88		"Champion" baling presses, steam, horse and hand power, for baling hay, straw, cotton, excelsior, shavings, moss, tin and paper scrap, dry goods, fruit, vegetables and all other balable materials. Largest factory and most complete line made in the world. 391. <b>Farmers' Friend Manufacturing Company, Dayton, Ohio.</b> E-P-3	84
371. <b>Dederick, P. K. &amp; Co., Albany, N. Y.</b> Mounted engine. E-R-4	88	a Harrow. E-P-3	84
372. <b>Deere &amp; Mansur Co., Moline, Ill.</b> E-G-10	85	b Drills, corn planters and check rowers. 85	
a Planters, drills, etc. E-G-10	85	c Hay rake and loader; mower. 86	
b Hay loader. 86		392. <b>Farquhar, A. B., &amp; Co., York, Pa.</b> E-E-3	
373. <b>Deere &amp; Co., Moline, Ill.</b> Plows and cultivators. E-I-11	84	a Plows, harrows and cultivators. 84	
374. <b>Deering, Wm., &amp; Co., Chicago.</b> Harvesting machinery. E-I-6-7	86	b Corn planter and grain drill. 85	
Manufacture grain binders, reapers, mowers and grain binder twine. Works the best of the kind in the world. The original makers of elevator harvesters and first bring out a successful automatic twine reaper. Deering machines are noted for draft, strength and capacity. 375. <b>Derby &amp; Ball, Bellows Falls, Vt.</b> Hay rakes. E-A-6	86	c Rake separator. 86	
376. <b>Deuscher, H. P., Company, Hamilton, Ohio.</b> E-R-10	84	d Thrasher and vibrator. 87	
a Harrows and pulverizers. E-R-10	84	e Corn sheller; portable engine. 88	
b Corn planters. 85		393. <b>Field, J. A., Manufacturing Company, St. Louis.</b> E-G-5	87
377. <b>Dowagiac Manufacturing Company, Dowagiac, Mich.</b> Grain drills. E-N-6	86	a Fruit evaporator, corn shellers, feed cutters, etc. E-G-5	87
378. <b>Dowden Manufacturing Company, Prairie City, Ia.</b> Potato harvester and cutter. E-P-9	84	b Sugar and feed mills. 88	

## Bread, Biscuits, Pastes, Starch, Gluten, Etc.

Exhibit No.	Class'n No.
23b. Wilkins, Amos, Coburg, Ore.	
a Grasses.	8
b Clover.	9
23c. Wilkins, M., Coburg, Ore.	
a Wheat.	1
b Oats.	3
c Barley.	4
d Rye.	5
24. Wilson, Samuel, Mechanicsville, Pa.	
Field seeds.	C-F-0 8
Small fruits, rare bulbs, flower plants, etc.	
25. Winterhoff & Wessel, Lansing, Ill.	
Curled grass.	F-G-5 8
26. Woodward & Crofut, Chicago.	
Cornmeal, flour, cereal flakes.	H-G-5 11

## GROUP 2.

## Bread, Biscuits, Pastes, Starch, Gluten, Etc.

27. American Biscuit & Manufacturing Co., Chicago.	Crackers and biscuit.	
		G-L-5 14
27a. Bailey, Margaret H., Chicago.	Beaten biscuit.	E-C-1 14
29. Barnett, Wm., Philadelphia.	Wheat starch.	F-H-7 16
30. Canepa Bros., Chicago.	Macaroni and other pastes.	G-G-4 15
31. Chicago Macaroni Company, Chicago.	Macaroni, noodles, etc.	F-E-9 15
32. Chicago Sugar Refining Co., Chicago.	Starch.	G-L-9 16
33. Columbia Macaroni Mfg. Co., New York.	Macaroni and other pastes.	G-F-4 15
34. De Muth, J. A., St. Joseph, Mo.	Kneader, biscuit machine.	E-C-1 12
35. Dieter, The J. P., Co., Chicago.	Baking powder.	H-E-7 12
36. Durkee, E. R., & Co., New York.	Baking powder.	F-L-8 12
37. Gillett, E. W., Chicago.	Yeast cakes.	F-M-8 12
38. Kingsford, T., & Son, Oswego, N. Y.	Starches.	F-G-9 16
Laundry starches: "Silver Gloss," "Pure," "Pearl" and "Ontario." Food starches: "Corn Starch" and "Prepared Corn." The above products are made exclusively from maize or Indian corn. Thomas Kingsford first invented the process of making starch from Indian corn in 1842.		
39. Mazza, A. F., & Co., Denver, Col.	Macaroni and vermicelli.	G-G-6 15
40. Middleby Oven Company, Boston.	Ovens.	E-C-4 12

Exhibit No.	Class'n No.	
41. National Starch Manufacturing Company, New York.		
a Yeast.	F-K-8 & F-I	
b Starches.		
42. Nebraska City Starch & Cereal Nebraska City, Neb.	Starch and Sec.	
43. New York Biscuit Company York.	Crackers and biscuit.	G-I-1
44. People's Bread Co., Madison	Ginger snaps.	G-H-6
45. Pope, Chas., Glucose Co., C	Starch.	G-I-9
Manufacturers of all grades of glucose syrups, neutral powdered and pearl cream gluten meal, corn germ feed made from Indian corn.		
46. Price Baking Powder Co., Ch	Baking powder.	F-H-9
47. Rumford Chemical Works, dence, R. I.	Baking powder and pr tions.	F-I-9
Horsford's cream tartar (pulverulent phosphate invented by Prof. E. N. Horsford) the acid ingredient of the following baking preparations: Horsford's bread powder, Horsford's bread preparation, Ford yeast powder. Horsford's acid phosphate (liquid, medicinal), etc.		
47a. Schmidt, Wm., Baking Co., Chi		
a Bread.		G-H-4
b Cakes.		
c Crackers.		
48. Stein, Hirsch & Co., Chicago.	St	F-D-8
49. Thatcher, H. D., & Co., Pots	N. Y. Baking powder.	F-D-9
Put up in ½ lb., 1 lb., and 3 lb. glass Formula: Cream Tartar, parts 67; borate soda (to neutralize) parts 29; sugar milk, parts 4. United States Pat March 4, 1890. Dominion Patent, May 1891. Leaving power 15.2 to 15.4.		
50. United States Baking Company, P	burg. Crackers and biscuit.	G-K-5

## GROUP 3.

## Sugars, Syrups, Confectionery, Etc.

53. American Sugar Refining Compa	New York.	
a Raw and refined sugars.		
b Syrups.		
53a. Borg, F., Chicago.	Chewing gum.	G-G-9
54. Chattanooga Plow Company, Chat	nooga, Tenn. Card' mills, evaporato	furnace and kettle.
		E-E-11

## Sugars, Syrups, Confectionery, etc., Preserved Meats and Food Preparations.

Exhibit No.	Class'n No.	
53. Chicago Sugar Refining Co., Chicago.		
a Grape sugars.	G-I-9	19
b Syrups.		18
c Glucose, gluten, etc.		25
Crystallized and other grape sugars; all grades of glucose and syrups; pearl and powdered starches; dextrine and gum; gluten-maize and bran-feed; oil and oil-cake, all manufactured from Indian corn.		
54. Croft & Allen, Philadelphia. Confectionery.	G-J-9	27
55a. Curtice Brothers Co., Rochester, N.Y. Maple syrup.	C-G-3	26
57. Curtis & Sons, Portland, Me. Chew-gum.	H-K-9	27
58. Dumbar's, G. W., Sons, New Orleans.		
a Sugar cane.	G-E-6	17
b Syrup in glasses.		18
59. Hall, J. W., Portland, Maine. Wafers.	G-I-7	27
60. Hastings, Matthew E., New York Mills, N. Y. Bee-keepers' supplies.	A-G-5	26
61. Hill, A. G., Kendallville, Ind. Bee-keepers' supplies.	H-O-4	26
62. Lowney, The Walter M., Co., Boston. Chocolate bonbons. Special building.		27
Do not fail to visit our special building, the Temple of Vesta," situated next south of Music Hall and near the Peristyle. Exhibition room, ladies' waiting room and offices at the second floor. Retail salesroom on the first floor. Lowney's chocolate bonbons are for sale everywhere.		
63. Maillard, Henry, New York. Confectionery.	G-B-7	27
Candies and chocolate bonbons. An important feature of this exhibit is five cases made of solid chocolate of heroic size weighing nearly 1,500 lbs. each, representing Columbus, Venus de Milo and Terra. Maillard's preparations awarded gold medals Paris exposition, 1889.		
64. Minnesota Bee Keepers' Association, Winona, Minn. Honey and beeswax.	H-O-1	26
65. National Starch Manufacturing Company, New York.		
a Grape sugar.	F-K-8 & F-I-8	18
b Glucose.		25
66. Ohio Maple Sugar & Syrup Exhibit, Paris, Ohio. Maple sugar and syrup.		21
67. Overbaugh & Hartman, New York. Confectioners' cartoons.		27
68. Pope, Chas., Glucose Co., Chicago. Glucose.	G-I-8	25
69. Post, C. C., Burlington, Vt. Sap buckets, bucket hangers, maple syrup.	H-G-1	21

Exhibit No.	Class'n No.	
68. Putnam, W. H., River Falls, Wis. Bee-hives.	Sec. H	26
69. Root, A. I., Medina, Ohio. Bee-keepers' supplies.	H-O-4	26
Those interested in the production of honey can not afford to miss this exhibit.		
70. Schall & Co., New York. Confectionery ornaments.	G-E-8	27
71. Vermont Maple Sugar Exhibit. Maple sugar and syrup.	H-I-9	21
72. Walburn-Swenson Company, Chicago. Beet sugar plant.	E-K-11	20
72a. Warren Evaporator Works, Warren, Ohio. Miniature model evaporator for maple sap.	G-8	24
72b. Worthington, H. R., New York. Sugar pumps.	Dept. F.	17

## GROUP 6.

## Preserved Meats and Food Preparations.

73. American Lactose Company, New York. Milk sugars.	G-F-8	39
74. American Ready Food Co., Chicago. Condensed soups.	F-C-7	37
75. Anglo-American Provision Co., Chicago. Hog products.	D-B-0	34 & 35
Awarded gold medal at the Royal Agricultural Show, Liverpool, England, 1892.		
76. Armour Packing Co., Kansas City, Mo.		
a Canned meats.	F-C-9	36
b Soups.		37
77. Armour & Co., Chicago.		
a Canned meats.	D-A-1	36
b Canned soups.		37
c Extract of beef.		38
78. Barnett Produce Company, Chicago. Sauer-kraut.	H-F-7	36
"Silver Thread" known to the trade as the highest possible standard of excellence. Sales largest of any brand made.		
79. Bovine Co., New York. Extract of beef.	F-F-4	38
80. Burnham & Morrill Co., Portland, Maine.		
a Canned meats.	H-D-9	36
b Canned soups.		37
Paris brands, green sugar corn and succotash. Baked beans, meats, soups, fruits, vegetables. Machias Bay and Red Jacket brands, lobster. Scarborough Beach brand, clams, clam chowder and clam extract. Fish chowder, mackerel, etc. A gold medal awarded at Paris Exposition, 1878.		
81. Cowdrey, E. T., Co., Boston.		
a Deviled ham.	F-E-6	36
b Soups.		37

## Preserved Meats and Food Preparations.

- | Exhibit No.   | Class'n No. | Exhibit No.  |
|---|-------------|--|
| 82. Cudahy Packing Co., South Omaha, Neb.   |             | 95. Huckins, J. H. W., & Co.,  |
| a Canned meats.   | D-D-0 36    | a Sandwich meats. F-J  |
| b Extract of beef.  | 38          | b Canned soups.  |
| Beef and pork packers. Owners of the celebrated Diamond C and Rex brands sugar-cured meats and pure leaf lard. Agencies in all the principal cities of the United States and Europe. Packing houses: South Omaha, Neb., Sioux City, Ia., Los Angeles, Cal. Principal office, Chicago, Ill.                |             | Established in 1855. The purest soups and meats manufactured. W to keep in any climate. Try them.  |
| 83. Curtice Bros. Co., Rochester, N. Y.   |             | 96. Humbert, Henry, & Co., B N. Y. Jelly, soups. H-I   |
| a Canned meats and ketchup. C-F-3 36  |             | Our jelly and soups are made expr the sick; great and unremitting ca in selecting material used, and manufacture.  |
| b Canned vegetables and fruits; plum puddings and catsup.   | 37          | 97. Libby, McNeill & Libby, C a Potted meats, soups. F-B-1   |
| Fresh fruits and vegetables in glass and tin; rich preserves, jams, marmalades and jellies; plum puddings; meat delicacies; "Blue Label" ketchup; all of extra quality. Established 1868. For sale by all first-class grocers.  |             | b Beef extract.  |
| 84. Curtice-Olney Co., Rochester, N. Y.   |             | 97a. Matzoon, Y. T. Co., Chicago mented milk food. G-E   |
| Canned corn and succotash. H-I-9 37   |             | 98. Morris, Nelson, & Co., Chicago a Dried beef. D-C-0   |
| 84a. Dadirrian, Markar G., New York. Matzoon and matzol. H-E-9 37   |             | b Smoked pork, hams and bacc c Extracts of beef and hog pi   |
| 85. Elgin Condensed Milk Co., Elgin, Ill. Condensed milk and cream. G-D-5 39  |             | 99. National Pure Food Co., Cin. Canned soups, plum pudding, etc. F-F-9  |
| 86. Erie Preserving Company, Buffalo, N. Y. Canned vegetables. H-L-8 37   |             | 100. New York Condensed Milk Co York. Condensed milk, evap cream. G-C-6  |
| Proprietors of "Honey Dew" Fancy Brand, "Erie," "York State Apples, Gallons," "East Hamburg," "Niagara," "Princess," "Baby Boy," "Old Homestead Tomato Catsup." Business founded 1873. Originators and preservers of apples in gal. tins. Awarded gold medal New Orleans, 1884. Silver medal Paris, 1889. |             | Also the Illinois Condensing Co., C Manufacturers of the "Gail Borden Brand" condensed milk; also of the "C "Daisy," "Champion," "Magnolia" "Dime" brands. Prepared under the v process invented by Gail Borden in 1 |
| 87. Fairbank Canning Company, Chicago. a Canned meats. D-B-1 36   |             | 102. North Packing & Provision Co ton. D-D-0 & D-B-0   |
| b Canned soups.   | 37          | a Dried beef.  |
| 89. Franco-American Food Co., New York. a Game pates. F-I-7 36  |             | b Hams and bacon.  |
| b Soups, etc.   | 37          | c Salted meats.  |
| 90. Grand Traverse Chipped Potato Company, Traverse City, Mich. Chipped potatoes. H-I-6 37  |             | d Tongues, tripe, pigs' feet, sa and pepsin.   |
| 91. Groves, Jacob H., Portland, Maine. Potato chips. H-K-4 37   |             | Packers and jobbers of provisions. S attention given export orders for bacon, lard, dry salted meats, cure packed specially for all markets. address, North, P. O. box 5247, Boston                                  |
| 92. Heinz, H. J. Co., Pittsburg, Pa. Fruit butter. F-D-7 & E-D-7 37   |             | 103. Schepp, Leopold, New York. C nut. F-F-5   |
| 93. Helvetia Milk Condensing Co., Highland, Ill. Evaporated cream. G-C-5 39   |             | 104. Snider, The T. A., Preserve Co. cinnati. Soups. F-B-9   |
| 94. Howell Condensed Milk & Cream Co., Goshen, N. Y. Evaporated milk and sterilized cream. G-E-5 39   |             | Snider's home-made catsup and sou the finest ever offered to the trade.  |
| Evaporated milk unsweetened, purified and sterilized. Will keep in any climate. Manufactured by an improved process.  |             | 106. St. Charles Evaporated Cream pany, St. Charles, Ill. Evaporated c G-D-6   |
|   |             | Perfectly sterilized. Prepared witho gar or chemicals. Unrivalled as a fo babies and invalids, and culinary uses   |

## Preserved Meats and Food Preparations, Dairy and Dairy Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
7. Straus, Elise, St. Louis. Food preparations.	H-Y-8 37	120. DeLaval Separator Co., New York. Cream separators, dairy implements.	I-H-1 44
8. Swift and Company, Chicago.		Makers of the "Baby," "Alpha" and other DeLaval cream separators for dairy and creamery use. Capacities 150 to 8,600 lbs. milk per hour; 45,000 in use throughout the world. Manufactories and stores, Stockholm, Sweden, Poughkeepsie, N.Y., Elgin, Ill. Branch offices, Philadelphia, Pa., Elgin, Ill.	
a Dried beef.	D-E-0 33	121. Deuscher, H. P., Company, Hamilton, Ohio. Churn.	E-R-10 44
b Hams and bacon.	34	122. Diamond Balance Churn Co., Ballston, N. Y. Churns.	H-D-1 44
c Salted mince meats.	85	123. Dickson, Charles J., Margaretville, N. Y. Cream raiser and cream heater.	I-E-1 41
d Beef and hogs' feet and hog products.	37	123a. Dudley, C. E., Mfg Co., Grand Crossing, Ill. Combined churn washer and dishwasher.	H-G-1 44
e Fresh meats.		124. Elsworth, Edw., & Co., New York. Dog biscuit.	41
f Pressed beef, pork, mutton and veal, lard, corned, sausage, barreled pork, barreled and pickled tongues, pickled pigs' feet, pickled tripe. Oleo oil, neatsfoot and lard and pepsin.		125. Embree, P., & Son, West Chester, Pa. Butter worker.	I-C-1 44
g Tasty, F., & Co., Chicago.		127. Evans & Heulings, Haddonfield, N. J. Dairy appliances.	I-L-1 44
a Canned meats, patés, game, etc.	36	128. Flint Cabinet Creamery Co., Flint, Mich. Creamery supplies.	I-H-1 44
b Soups and plum pudding.	F-D-4 37	129. Genesee Salt Co., New York. Salt.	H-B-1 44
GROUP 7.		130. Hansen's, Chr., Laboratory, Little Falls, N. Y. Butter and cheese color and rennet extract.	I-E-1 44
The Dairy and Dairy Products.		131. Jack Frost Freezer Co., New York. Ice cream freezers.	H-C-1 41
1. American Mfg. Co., Waynesboro, Pa. Creamers.	H-J-1 44	132. Jaque, Joseph, St. Louis. Churn.	H-L-1 44
2. Andrews, N. S., Dubuque, Iowa. Churns, milk testers.	D-1 44	133. Leonard, Orin, Belvidere, Ill. Cream cooler.	H-G-1 44
3. Baldwin Woodenware Co., La Fayette, Ind. Churns.	I-E-1 44	134. Ludington Woodenware Co., Ludington, Mich. Butter molds, etc.	H-K-1 44
4. Boyd, John, Chicago.		135. Magic Freezer Co., Chicago. Ice cream machines.	H-J-1 44
a Creamer.	41	136. Marquis, James B., Norwich, N. Y.	
b Cream and cheese vats.	44	a Butter.	I-L-1 42
5. Buckeye Churn Co., Sidney, Ohio. Churns.	I-G-1 44	b Cheese manufacture.	43
6. Columbia Cream Separator Co., Avon, N. Y. Cream separators.	I-D-1 44	137. Mears, C., & Son, Bloomsburg, Pa. Churn.	H-G-1 44
7. Cornish, Curtis & Greene Mfg. Co., Waukegan, Wis. Dairy implements.	I-K-1 44	138. Moseley & Pritchard Mfg. Co., Clinton, Iowa. Dairy supplies.	I-C-1 44
Manufacturers of all kinds of apparatus for making butter and cheese, in the factory or on the farm; creamery and dairy machinery; hand and power butter workers; cream and cheese vats; oil test churns; Babcock milk tester; cheese presses; steam boilers and engines.		139. North Western Butter & Cheese Co., Romeoville, Ill. Cheese. Dairy Bldg.	43
8. Goss, Isaac T., & Co., Watertown, N. Y. Churns.	H-I-1 44	140. Reid, A. H., Philadelphia. Dairy appliances.	I-J-1 44
9. Creamery Package Mfg. Co., Chicago. Dairy supplies and fittings.	H-B-1 44	141. Romney, Caroline Westcott, Chicago. Milk cooler.	I-J-1 41
10. Egg cases, fruit packages.		142. Scoville, E. U., Manlius, N. Y. Faucets.	I-F-1 44
11. Ross & Rankin Building & Manufacturing Co., Chicago. Dairy machinery.	I-F-1 44		
Manufacturers of all kinds of creamery machinery and dairy supplies. Exclusive agents of the famous Alexandria Separator. A specialty of the best separators made.			

## Dairy and Dairy Products, Tea, Coffee, Spices and Vegetable Substance

- Exhibit No.** **Class'n No.**
- 142a. Seaman, Cox & Brown Cooperage Co., Chicago.** Kegs and barrels. H-C-1 44
- For liquor, cider, white lead, butter, etc.**
- 143. Sharples, Philip M., Elgin, Ill. Cream separators.** H-I-1 44
- Has built over half the separators now in use in the United States. The bowl alone revolves. Offices: Elgin, Ill.; West Chester, Pa., and Council Bluffs, Iowa. No engine is needed to run these machines. A jet of steam striking the bowl furnishes power.**
- 144. Simpson, McIntire & Co., Boston.** Butter in sealed tins. H-G-8 42
- Finest diamond creamery butter packed in hermetically sealed tins for export and interior points. Highest awards received in its class when exhibited. Gold, silver and bronze medals. Packed in 1, 2, 3, 5 and 7 pound tins.**
- 145. Strickler, J. S., & Co., Sterling, Ill.** Butter color. I-B-1 44
- 146. Thatcher Mfg. Co., Potsdam, N. Y.** Dairy supplies. I-K-1 44
- Manufacturers of the celebrated Thatcher's orange butter color. Common sense glass milk jar. Condensed milk tumblers. Glass, cheese and butter crocks. Milk dealers' supplies. Milk jar fillers, etc.**
- 147. Upton Mfg. Co., West Upton, Mass.** Milk aerator. H-L-1 41
- 148. Vermont Farm Machine Company, Bellows Falls, Vt. Dairy appliances.** I-M-1 44
- Manufacturers of everything for handling milk and cream in the dairy, creamery and cheese factory. Creamers, churns, butter workers. All styles and sizes of cream separators and butter extractors for dairy and factory. Babcock milk testers, boilers, engines, etc.**
- 149. Watson, Abraham, New York. Ice cream freezers.** J-C-1 44
- 150. Wells & Richardson Co., Burlington, Vt. Butter and cheese color.** I-J-1 44
- 150a. Worthington, H. R., New York.** Vacuum pumps and condensers. Dept. F 41

## GROUP 8.

## Tea, Coffee, Spices, Hops, and Aromatic and Vegetable Substances.

- 151. Antonsanrti, M., & Co., New Dorp, N. Y. Sauces.** F-H-5 47
- 152. Baker, Walter, & Co., Dorchester, Mass. Chocolate and cocoa.** G-G-4 45
- Special bldg.**
- Visit our special building, opposite Manufacturers Building. Try our Breakfast Cocoa and Chocolate Soda, and get a copy of Miss**

- Exhibit No.**
- Parloa's receipt book. Our Cocoa tions are absolutely pure, and are exclusively in the New York Cookin exhibit, and the New England**
- 153. Baron Machine Co., Baltim** Cigar bunching machine. E-C
- The only practical long-filler ma commercial use. 28 of them in one in New York; saves over \$175 a da**
- 153a. Blue Grass Tobacco Co., Le Ky.** Chewing and smoking tobac I-1
- 153b. Cardwell Machine Co., Ri Va.** Plug and smoking tobacco ery. E-O
- 154. Clark Coffee Co., Boston. C tion of cocoa and coffee.** H-C
- 155. Consolidated Cigarette Compa York.** Cigarettes. I-H
- 156. 150 Connecticut Farmers. Co cut leaf tobacco.** Sec. C
- 157. Curtice Bros. Co., Rochester Tomato ketchup.** F-M
- 158. Devoe, Augustus A., Spotswo** Snuff. I-G
- 159. Dieter, The J. P., Co., Chicag a Roasted coffees.** H-E
- b Spices and mustard.**
- 160. Doan, H. A., Philadelphia. Pul coffee.** H-K
- 161. Durkee, E. R., & Co., New Spices, mustard, sauces, etc.** F-L
- 162. Ellinger, Julius, & Co., New Cigars.** I-I
- Specialty made of clear Havana cig their Florida factory. Leading bran Francesca, Clinton, John Crerar, etc. "Lyceum Bouquet" manufactured at factory, is their Sumatra wrapper an vana filler product. This firm operates 69 & 58 1st D. of Fla. and No. 19, 2d**
- 163. Empire State Cigar Machine pany, Philadelphia. Cigar machine** E-C-2
- 164. Garcia, F. A., & Co., New Cigars.** I-E-9
- 165. Gits & Van Hee, Ghent, Chlcory coffee and root.** H-K-9
- 166. Graf, Wm., & Co., Milwaukee, Cigars.** I-J
- 167. Gulden, Chas., New York. Mus F-I-7**
- 168. Heinz, H. J., Co., Pittsburg, Pickles and other condiments.** F-E-7 & F-D-7
- Have 29 branches in the principal citie the U. S. Have 30 medals and awards cluding gold medal at Paris, 1889. f tories have over 10 acres of floor space.**

## Tea, Coffee, Spices, etc., Animal and Vegetable Fibres.

Exhibit No.	Class'n No.
170. International Cigarette Machine Co., Richmond, Va. Cigarette machines.	I-M-8 49
171. Kerbs, Wertheim & Shiffer, New York. Cigars.	I-C-9 52
Manufacturers of the "La Flor de General Arthur" cigars. Their output of cigars for the year 1892 was 50,000,000.	
172. Kimball, Francis A., National City, Cal. Olives.	H-F-6 47
173. Krems & Co., Chicago. Chicory.	H-D-7 45
174. Kresl & Mallue, Chicago. Cigar stocks, manufacturers' supplies. Sec. I	49
175. Kyriazi freres, Cairo, Egypt. Cigar- ettes.	I-F-8 52
Largest shippers of Egyptian cigarettes.	
176. Lompoc Exhibit, Santa Barbara, Cal. Mustard.	Sec. H 47
177. Lorillard, P., Co., Jersey City, N. J. Tobaccos.	I-B-9 51
Snuff.	52
178. Lozano, Pendas & Co., New York. Cigars.	I-E-7 52
179. Maillard, Henry, New York. Cocoa; chocolate.	Q-B-7 45
180. McIlheny's Son, E., New Iberia, La. Pepper sauce; pepper.	H-K-7 47
181. Miller, E. B., & Co., Chicago. Spices; condiments.	H-B-9 47
182. Nash, Whiton & Co., New York. Salt.	H-F-1 47
183. National Pure Food Co., Cincinnati. Catsup.	F-F-9 47
184. Nestor Gianacis, Cairo, Egypt. Cigarettes.	I-G-9 52
185. New England Tobacco Growers' Assn., Poquonock, Conn. Leaf tobacco.	I-G-9 48
186. New England Tobacco Growers' Assn., East Hartford, Conn. Leaf tobacco.	I-G-8 48
President H. S. Frye, Poquonock, Conn. Exhibit made by 150 Connecticut farmers.	
187. New York Condensed Milk Co., New York. Extract of coffee.	G-C-6 45
188. Ottenberg, L., & Co., New York. Cigars.	I-G-9 52
Fast clear Havana cigars and largest vari- eties with Havana filler and Sumatra wrap- per. Hand-made. "Mountain Rose" and "Jesse Kirke" are our leading brands.	
189. Portuondo, Juan F., Cigar Mfg. Co., Philadelphia. Cigars.	I-E-9 52
Manufacturers of "La Flor de Portuondo" Havana hand-made cigars. Pure and free from artificial flavor, unsurpassed in quality, taste and aroma. Beware of imita- tions. Address 1110-1116 Sansom St. W.	

Exhibit No.	Class'n No.
L. Hagans, General Western Agent, 72 Wabash Ave., Chicago.	
189. Richardson, Chas., Fredericksburg, Va. Pickles.	H-K-7 47
190. Sanchez & Haya, New York. Ci- gars.	I-K-7 52
191. Seidenberg & Co., New York. Ci- gars.	I-H-7 52
Manufacturers of clear Havana Key West and fine New York seed and Havana cigars. Medal and certificate of special mention at Centennial Exhibition, Philadelphia, 1876, for excellence of quality and workmanship. Factories: Key West, Fla., and New York:	
192. Snider, T. A., Preserve Co., Cincin- nati. Chili sauce and catsup.	F-B-9 47
193. Stachelberg, M., & Co., New York. Cigars.	I-L-7 52
Havana cigars made of the choicest vegas of Vuelta Abajo tobacco. Sold in every state and territory in the union. Offices, 159- 161 So. 5th Av., New York; 60 Wabash Av., Chicago; Animas 180 Havana, Cuba. Our factory, No. 290, 2d district, New York, is printed on the bottom of every box.	
194. Stahl, Jacob, Jr., & Co., New York. Cigars.	I-D-8 51
Makers of Hotel Brunswick, Royal Stand- ard, Seal of Columbia, Los Famosos and Flor de Dante Havana cigars.	
195. Surbrug, John W., New York. Smok- ing tobacco.	I-D-9 51
196. Upmann, Carl, New York. Cigars.	I-K-9 52
197. Valleng, Eugene, & Co., Chicago. Cigars.	I-D-7 52
198. Van Houten, C. J., & Zoon, Chicago. Cocoa.	Special bldg. 45
Branches: London, Paris, Melbourne, Düs- seldorf; New York. 106 and 108 Reade St.; Chicago, 45 to 51 Wabash Ave. Manu- facturers of Van Houten's world-famed cocoa. Best and goes farthest.	
199. Warren Cigar Co., Flint, Mich. Ci- gars.	I-H-7 52
201. Ybor, V. M., & Manrara, New York. Cigars.	I-F-7 52

## GROUP 9.

## Animal and Vegetable Fibres.

203. Armour & Co., Chicago. Wool.	D-A-1 60
204. Bradley, David, Manufacturing Com- pany, Chicago. Cotton planters.	E-J-10 55
205. Brinker, Jos. H., West Point, Miss. Baled cotton.	C-D-0 53
206. Chase Cotton Gin Company, Milford, Mass. Cotton gins.	E-R-1 55

Animal and Vegetable Fibres, Pure and Mineral Waters, Natural and Artificial.

- | Exhibit No. | Class'n No. |  |
|-------------|-------------|--|
| 207.        | E-G-10 55   | Deere & Mansur Co., Moline, Ill. Cotton planter.   |
| 208.        | E-Q-1 55    | Eagle Cotton Gin Company, Bridgewater, Mass. Cotton gins, conveyors, press, etc.   |
|             |             | (Formerly Bates, Hyde & Co.) Est. 1833, incorporated 1877. Sole in frs. of the celebrated Eagle cotton gins, feeders and condensers, well known for superior workmanship and durability. In general use in every cotton growing country in the world. Complete suction elevator system, etc. |
| 209.        | E-C-5 55    | Engelberg Huller Company, Syracuse, N. Y. Cotton gin.  |
| 209a.       | Sec. G 60   | Gentry, N. H., Sedalia, Mo. Wool.  |
| 209b.       | Sec. G 60   | Grubnau, Carl, Philadelphia. Wool, hair and noils.   |
| 210.        | E-R-1 55    | Gullett Gin Company, Amite City, La. Cotton gins, distributors, press, etc.  |
| 211.        | F-D-4 55    | Hussey, Geo. B., Providence, R. I. Bale covers.  |
| 211a.       | Sec. G 60   | Jenizen, E. M., & Bro., Shawmut, Montana. Fleece of wool.  |
| 211b.       | Sec. G 60   | Kugler John, Stanbury, Mo. Wool.   |
| 212.        | Sec. G 60   | Laney, Arnon, Miles City, Mont. Fleece of wool.  |
| 213.        | Sec. G 60   | Martin, Robert J., Billings, Mont. Fleeces of wool.  |
| 214.        | Sec. G 60   | McGill, Thomas, Billings, Mont. Wool.  |
| 215.        | E-R-2 55    | Munger Improved Cotton Machine M'fg Co., Dallas, Texas, and Birmingham, Ala. Cotton gin, presses and machinery.  |
|             |             | Manufacturers of Munger's patent gins, feeders, condensers, suctions, elevators, cleaners and distributors, revolving double-box self-packing presses, flue system of handling lint cotton, seed blowing elevators and gin saw sharpeners.   |
| 217.        | E-R-1 55    | National Cotton Gin & Wool Burrer Co., Boston. Cotton gin, feeder and wool burrer.   |
| 218.        | Sec. G 60   | Scott, T. A., Huntsville, Mo. Wool.  |
| 219.        |             | Wallis, Lisperard Cotton Picker & Machinery Co., New York. Cotton picker.  |
| 219a.       |             | Woman's Silk Culture Ass'n, Philadelphia.  |
|             |             | 1. Silk products representing silk culture in the United States.   |
|             | C-E-3       | 2. Cocoons.  |
|             |             | 3. Silk flags and American made reels.   |

GROUP 10.

Pure and Mineral Waters, Natural and Artificial.

- | Exhibit No. |   |
|-------------|---|
| 220.        | Allouez Mineral Spring Co. Bay, Wis. Mineral water, ginger I-G  |
| 221.        | Bowden Lithia Springs Co., Springs, Ga. Mineral water. I-F  |
| 222.        | Brown & Logan, Chicago. water. J-E  |
| 223.        | Burr, William H., Janesville Mineral water. I-J   |
| 224.        | Excelsior Springs Company, sior Springs, Mo. Mineral water ginger ale. I-C-5&I-D-4  |
| 225.        | Forbes, J. P., & Co., San Francisco. Mineral water. I-E-4   |
| 226.        | Garrigues, Samuel F. W., Worcester, N. Y. Mineral water. G-M-8  |
| 227.        | Goode, Thomas F., Buffalo Springs, Va. Mineral water. I-D-6   |
| 228.        | Londonderry Lithia Spring Co., Nashua, N. H. Mineral water. I-D-6   |
| 229.        | Manitou Mineral Water Co., Manitou Colo. Mineral waters, ginger champagne and sarsaparilla. I-B-4   |
|             | Natural soda water, from "Manitou" spring recharged solely with natural carbonic gas. Ginger root and fruit flavors, natural soda water, recharged solely with natural carbonic acid gas. Natural water from Ute Iron Spring, Manitou, bottled at springs, not carbonated.          |
| 229a.       | Morgan, John, New York. Mineral water.  |
|             | Of superior quality and recognized reputation and will satisfy the most exacting taste. "I know of no tonic," said an old epicure, "like good mineral water. It gives a rosier tinge, makes a man pleased with himself and satisfied with his neighbors. Drink our mineral waters." |
| 230.        | Natural Mineral Water Co., Springs, Idaho. Mineral water.   |
| 231.        | Ricker, Hiram, & Sons, St. Poland, Me. Mineral water. I-B-6   |
|             | Handsome illustrated catalogue of Pol Spring can be had at our exhibit.   |
| 232.        | Ries, Jacob, Shakopee, Minn.  |
|             | 1. Natural mineral waters. I-K-6  |
|             | 2. Ginger ale, sarsaparilla, soda, etc.   |
| 233.        | Salutaris Co., St. Clair Springs, Mich. Mineral water. I-C-5  |
|             | Salutaris is a natural gaseous alkaline water of absolute purity. It may be drunk copiously, year after year, with the best effects. As a preventive of disordered digestion.   |

## Pure and Mineral Waters, Whiskies, Liqueurs, Malt Liquors.

Exhibit No.	Class'n No.
ditions of the bowels, and valuable in the preservation of health in districts exposed to malaria and epidemic.	
234. Schmidt, J. P. C., Green Bay, Wis.	
Mineral water.	I-E-4 64
Acknowledged by all leading physicians the most effective and pleasant remedy for kidney, liver and stomach diseases.	
235. Stafford Mineral Spring & Hotel Co., New Orleans.	
Mineral water.	G-F-9 64
236. Underwood Co., Falmouth Foreside, Maine.	
Mineral water.	I-K-6 64
237. Waukesha Lithia Spring Co., Chicago.	
Mineral water.	I-G-6 64
238. Waukesha Lithia Spring Co., Waukesha, Wis.	
Mineral water.	I-G-6 64

## GROUP 11.

## Whiskies, Cider, Liqueurs and Alcohol.

239. Bernheim Bros., Louisville, Ky.	
Sour mash whiskies.	South of Annex 66
Distillers of Old Fashion, Hand Made, Sour Mash Bourbon, and Rye whiskies. Own the celebrated brands "I. W. Harper" and "Old Continental" whiskies. Gold medal at New Orleans Exposition. Recognized as the largest distributors of fine Kentucky whiskies in the U. S. Annual sales about \$3,000,000.	
240. Barrell Bros., Freeport, Ill.	
Vinegar.	H-G-9 71
240a. Cartice Brothers Co., Rochester, N. Y.	
Barley malt vinegar.	C-G-3 71
241. Cushing Process Company, Boston.	
a Bourbon and rye whiskies.	H-G-7 66
b Rum and brandy.	67
242. Dallemand & Co., Chicago.	
Rye whisky.	I-L-5 66
243. De Lissa, Alpha S., Philadelphia.	
Fancy drinks and cocktails.	I-G-4 70
244. Franchi, Emilio M., New York.	
Vermouth.	Sec. I 69
245. Guckenheimer, A., & Bros., Pittsburgh, Pa.	
Malt and rye whisky.	I-L-5 66
Double copper distilled from the choicest of rye and barley malt obtainable; absolutely pure; acknowledged by the trade and connoisseurs as the old reliable and the standard of perfection; medal awarded at Paris Exposition, 1878.	
245a. Hamburger Co., Chicago.	
Rye whisky.	I-K-4; 56-J 66
246. Hannis Distilling Company, Philadelphia.	
Rye whiskies.	I-J-5 66
247. Heinz, H. J., Co., Pittsburgh, Pa.	
Vinegar.	F-D-7 & E-7 71
248. Large Distilling Company, Pittsburgh, Pa.	
Whisky.	I-F-5 66
249. Lee, J. L., Williamstown, Ky.	
Bourbon whisky.	I-H-5 66

Exhibit No.	Class'n No.
250. Lockhart Chemical Co., Chicago.	
Orange cider.	H-G-9 71
Manufacturing chemists. Pure flavoring extracts, proprietary medicines, toilet and household articles, inks and mucilages. Specialties: California orange cider, wild cherry phosphate and aromatic ginger ale. Laboratory and office, 3841 Vincennes Ave.	
251. Mattingly & Moore Distilling Co., Bardstown, Ky.	
Whisky.	I-K-5 66
252. Mihalovitch, Fletcher, & Co., Cincinnati.	
Liquors in cases.	I-I-6 66
253. Moore & Sinnott, Philadelphia.	
Whisky.	I-J-6 66
253a. Old Times Distillery Co., Louisville, Ky.	
Whisky.	66
"Old Times," "Kentucky Comfort," "Gladstone," finest grades sour mash; extensively used medicinally owing to their well-known purity. See process of distillation at "Distillery Exhibit," the recognized headquarters for everything pertaining to the distilling interests of Kentucky.	
254. Osborn, John, Son & Co., New York.	
Rye whisky.	I-K-4 66
256. Rheinstrom Bros., Cincinnati.	
a Whiskies.	I-F-5 66
b Liqueurs.	69
c Bitters.	70
256a. Rossi, P. C., San Francisco.	
Vermouth.	70
257. Schuetz, Renziehausen & Co., Pittsburgh.	
Rye whisky.	I-M-5 66
258. Uiman-Goldsborough Co., Baltimore.	
Whiskies.	I-J-4 66
259. Wolfe's Udolpho, Son & Co., New York.	
Schnapps.	I-H-4 69
Wolfe's Schiedam Aromatic Schnapps has been so long favorably known that no encomiums upon it are needed. Since its introduction millions of bottles have been sold, largely to families. In compounding medicines it is largely used as a stimulant, and is just as efficient by itself.	

## GROUP 12.

## Malt Liquors.

260. Anheuser-Busch Brewing Association, St. Louis.	
Lager beer.	I-M-10 73
261. Barrett Brewing Co., Cleveland, Ohio.	
Beer, ale, porter.	Sec. I 73
262. Beadleston & Woerz, New York.	
Lager beer, ales, porter.	G-M-7 73
263. Bergner & Engel Brewing Co., Philadelphia.	
Beer, ale, porter.	I-M-9 73
264. Besley's Waukegan Brewing Company, Waukegan, Ill.	
Ale and porter.	G-N-5 73

## Malt Liquors, Machinery for Fermenting, Distilling, Etc., Farms and Farm Buildings

Exhibit No.	Class'n No.	Exhibit No.
265. Betz, John F., & Son, Philadelphia.	G-N-5 73	289. German American Filter Co.
Beer, ale, stout.		New York. Beer filtering appar.
266. Evans, C. H., & Sons, Hudson, N. Y.	G-O-5 73	E-A.
Ale, stout.		292. Olsen & Tilgner, Chicago.
268. Hires, Chas. E., Co., Philadelphia.	I-M-5 73	mash machine and malt mill.
Root beer in packages.		293. Saladin Pneumatic Malting Co., Chicago.
269. Lammers, C. A., Denver, Col. Beer.	G-M-6 73	Germinating cement and malting grain.
		E-B.
270. Lemp Brewing Co., William J., St. Louis.	G-M-9 73	294. Stollstorff, August, Chicago.
Brewers of the world-renowned Lemp's Extra Pale, Standard and Culmbacher; shipped to all parts of the globe, both in wood and glass. Capacity 750,000 barrels. Annual sales 500,000 barrels and 10,000,000 bottles. Orders solicited. A hearty welcome to all to inspect our plant at St. Louis.		volving branding iron.
		E-R-1.
271. Liebmann's, S., Sons Brewing Co., Brooklyn, N. Y. Lager beer.	G-M-8 73	294a. Worthington, H. R., New
272. Mayer, David, Brewing Co., New York.	I-O-4 73	Distillery pumps.
Lager beer, ales.		Dept.
Highest award, Philadelphia, 1876; American Institute, N. Y., 1891-1892.		
273. Moerlein, Christian, Brewing Co., Cincinnati.	I-M-7 73	
Lager beer.		
274. New Orleans Brewing Association, New Orleans.	G-M-7 73	
Beer.		
275. North Western Brewing Co., Chicago.	I-M-8 73	
Lager beer.		
276. Pabst Brewing Co., Milwaukee, Wis.	G-M-10 72	
a Malt extract.		
b Beer.		
278. Schlitz, Jos., Brewing Co., Milwaukee, Wis.	I-H-5 73	
Lager beer.		
279. Smith, Robert, India Pale Ale Brewing Co., Philadelphia.	G-M-8 72	
a Malt extract.		
b Ale, stout.		
280. Stroh, B., Brewing Co., Detroit, Mich.	G-M-6 73	
Lager beer.		
282. Voigt Brewery Company, The, Detroit, Mich.	I-M-8 72	
a Extract of malt.		
b Beer.		
283. Weidemann, Geo., Brewing Co., Newport, Ky.	G-M-7 72	
Beer.		
284. Weiss, Geo. A., Malting & Elevator Co., Chicago.		
Barley malt.		

## GROUP 13.

## Machinery, Processes and Appliances of Fermenting, Distilling, Bottling and Storing Beverages.

286. Behringer Malt Cleaning Machine Company, Lansing, Ill.	E-A-1 76
Malt cleaning machine.	
288. Crown Cork & Seal Co., Baltimore.	E-A-2 77
Machinery for sealing bottles.	

## GROUP 14.

## Farms and Farm Buildings.

295. Allis, Elliot W., Adrian, Mich.	B-12
manent and portable fence.	
Fence exhibit	
295a. American Well Works, Aurora.	
Ditching machine.	
296. Andre, T. J., Wauseon, Ohio.	
and wire stretcher.	
Fence exhibit	
296a. Barber, Joseph G., Brodhead, Farm gates.	
Fence exhibit	
297. Barnes Iron Fence Co., Philadelphia.	
Iron and steel fences.	
Fence exhibit	
298. Bonnaffon, Albert L., Philadelphia.	
Steel fence.	
Fence exhibit	
299. Buckley, C. E., Dover Plains, Stable fittings.	
Live Stock Pav.	
300. Cochrane & Co., Ionia, Mich.	
fence weaving machine.	
Fence exhibit	
301. Cornell, Geo. E., East Saginaw, Mich.	
Gate.	
Fence exhibit	
302. Crane, J. J., Summertown, Metal fence post and hooks.	
Fence exhibit	
303. Eureka Gate Co., Waterloo, I.	
Gates.	
Fence exhibit	
304. Hack, Peter, Michigan City, Gate.	
Fence exhibit	
305. Hunley, Harris & Co., Richmond, Hedge and wire fence.	
Fence exhibit	
306. Jackson, George, Mapleton, Stable fittings.	
Live Stock Pav.	
307. Jones National Fence Co., Columbus, Ohio.	
Wire fence.	
Fence exhibit	
308. Mast, Foos & Co., Springfield, O.	
Fencing.	
Fence exhibit	
309. Taylor, Andrew W., Wayne, N.	
Gate and spike puller.	
Fence exhibit	
310. Thompson, A. L., East Avon, N.	
Tightener and fastener for wire fence.	
Fence exhibit	

## Literature and Statistics of Agriculture, Farming Tools, Implements and Machinery.

Exhibit No.	Class'n No.
320a. White, W. R., Bloomington, Ill.	
Farm gates, etc. Fence exhibit	79
\$1,500 worth sold in a county. \$20,000 worth sold in one town. See us. One state a fortune.	

## GROUP 15.

## Literature and Statistics of Agriculture.

320b. Agricultural Colleges and Experiment Stations of the United States (in co-operation with the United States Department of Agriculture). Publications and charts; equipment and lines of work of individual institutions; appliances and methods of instruction in agriculture, horticulture, chemistry, biology, mechanic arts, mechanical engineering, domestic and fine arts in agricultural colleges; methods and results of experiments by agricultural experiment stations.	
	M-M-8 83

## GROUP 16.

## Farming Tools, Implements and Machinery.

320c. Adriance, Platt & Co., Poughkeepsie, N. Y. Binder, reaper, mowers and drop-per.	E-N-8 86
Offices, New York City, Hamburg, Paris.	
321. Aermotor Company, Chicago. Wind mills, feed grinders and cutters.	
	Windmill ex. 88
For farms, villages, railroads, irrigation and electric lighting plants. Windmills and mowers all steel, all galvanized. Railroad and farm tanks, pumps, feed grinders, cutters and water supply fixtures. The originators of the modern steel windmill, steel fixed and tilting towers.	
323. Aldrich, Wm. H., Logansport, Ind. Wind engines.	Windmill ex. 88
324. Allen, S. L., & Co., Philadelphia. Drills, plows, cultivators, hillers and diggers.	E-N-10 84
325. Althouse Wheeler Company, Wau-pun, Wis. Wind and grinding mills.	Windmill ex. 88
327. American Harrow Company, Detroit, Mich.	
a Harrow, cultivator, seeder and plow.	E-P-8 84
b Stalk cutter and bean harvester.	88
328. American Tillage Company, New York. Steam plow and seeder.	
	Traction engine ex. 84
329. American Well Works, Aurora, Ill.	
a Windmill, pumps. Windmill ex.	88
b Steam ditcher.	E-M-11 89

Exhibit No.	Class'n No.
320. Ann Arbor Agricultural Company, Ann Arbor, Mich.	E-P-5
a Hay press.	87
b Hay cutters, horse power and jack.	88

The credit for this neat exhibit really belongs to Montgomery Ward & Co., Chicago agents for the A. A. A. Co. This firm has an exhibit in this building, as well as an exhibit of road graders and scrapers in the Transportation Building. Their sales-rooms at Michigan Avenue and Madison Street, Chicago, cover 9 floors, 150x165 feet, and contain 750 employees. Their sales are nearly one million dollars each month, and the peculiar feature of their business is that they sell to the out-of-town trade exclusively. Visitors are invited to inspect their establishment.

321. Appleton Manufacturing Company, Appleton, Wis.	E-C-4
---	-------

a Seeder.	85
b Corn shellers.	87
c Feed cutters, grinding mill, etc.	88

323. Astor, John Jacob, New York. Road improver.	E-E-10 89
--	-----------

A light two-wheeled machine, with axle geared to operate a powerful rotary blower producing an air-blast readily directed by the driver to entirely remove or deposit at the side of the road all dust and worn-out road material.

323a. Aultman, Miller & Co., Akron, Ohio. Binders and mowers, and binder twine.	
---	--

	E-I-9 86
324. Aultman & Taylor Machinery Co., Mansfield, Ohio.	E-A-9

a Straw stacker.	86
b Threshing machines.	87
c Traction engine.	89

325. Avery, B. F., & Sons, Louisville, Ky.	
--	--

a Cultivators and plows.	E-H-11 84
b Planters and sugar-land imple-ments.	85

326. Avery Planter Company, Peoria, Ill.	
--	--

a Cultivators.	E-K-11 84
b Planter and check rower; drill.	85

328. Austin, F. C., Manufacturing Com-pany, Chicago.	
--	--

a Steam generator, feed mills and cutters.	E-E-11 88
b Road machines and rollers.	89

See the goods marked B at our exhibit in the Transportation Annex, Section A-10.

329. Baker Manufacturing Company, Evansville, Wis. Windmills.	
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	Windmill ex. 88
330. Barlow Corn Planter Co., Quincy, Ill.	
Corn planters.	E-M-1 8.

## Farming Tools, Implements and Machinery.

- | Exhibit No. | Class'n No. |  |
|-------------|-------------|--|
| 331.        |             | <b>Bateman, E. S. &amp; F., Greenloch, N. J.</b>   |
|             |             | <i>a</i> Cultivators and plows. E-O-1 84   |
|             |             | <i>b</i> Drills. 85  |
|             |             | "Iron Age" trade mark adopted 1875. Business established in 1836.  |
| 332.        |             | <b>Bayless, Frank, Wilberforce, Ohio.</b>  |
|             |             | Corn planter. E-E-9 85   |
| 333.        |             | <b>Belle City Manufacturing Company, Racine, Wis.</b>  |
|             |             | <i>a</i> Threshing machine. E-P-5 87   |
|             |             | <i>b</i> Horse powers and feed cutters. 88   |
| 334.        |             | <b>Bender, John O., &amp; Co., Fayetteville, N. Y.</b>   |
|             |             | Transplanting machine. E-R-11 85   |
| 335.        |             | <b>Benster, Olin W., Toledo, Ohio.</b>   |
|             |             | Wind engine. Windmill ex. 88   |
| 336.        |             | <b>Bickford &amp; Huffman Co., Macedon, N. Y.</b>  |
|             |             | Fertilizer grain drill. E-P-3 85   |
| 336a.       |             | <b>Bilz, J. A., Pleasanton, Cal. Plows.</b>  |
|             |             | E-L-11 84  |
| 337.        |             | <b>Birdsall Company, Auburn, N. Y.</b>   |
|             |             | <i>a</i> Thresher and separator. E-B-11 87   |
|             |             | <i>b</i> Traction engine. 89   |
| 339.        |             | <b>Birdsell Manufacturing Company, South Bend, Ind. Clover hullers.</b>  |
|             |             | E-B-11 87  |
| 340.        |             | <b>Bissell Chilled Plow Works, South Bend, Ind. Plows.</b>   |
|             |             | E-P-11 84  |
|             |             | Chilled plows, riding plows, gang plows, patent reversible share plows, "O" series sloping landside plows.   |
| 341.        |             | <b>Bowman &amp; Allen, Dayton, Ohio. Tobacco hiller.</b>   |
|             |             | E-R-6 84   |
| 342.        |             | <b>Bowsher, D. J., &amp; Sons, Cadillac, Mich.</b>   |
|             |             | Combination planter. E-M-11 85   |
| 343.        |             | <b>Bowsher, N. P., South Bend, Ind.</b>  |
|             |             | Feed mills. E-E-4 88   |
|             |             | Conical shaped grinders. Entire departure from all others. Lightest running, strongest and handiest made. With or without baggers. All sizes. Time-proven.   |
| 344.        |             | <b>Boyle &amp; Calleton, Grand Rapids, Mich. Portable engine.</b>  |
|             |             | South of Annex 88  |
| 345.        |             | <b>Bradley, David, Manufacturing Company, Chicago.</b>   |
|             |             | E-J-10   |
|             |             | <i>a</i> Plows, cultivators and harrows. 86  |
|             |             | <i>b</i> Stalk cutters. 88   |
|             |             | Makers of "Garden City Clipper" plows and other agricultural implements for over half a century. These plows are known the world over for two things—correct shape and a uniformly hard temper.  |
| 346.        |             | <b>Brennan &amp; Co., Louisville, Ky.</b>  |
|             |             | <i>a</i> Grain drill, spring hoe, drill and fertilizer. 85   |
|             |             | <i>b</i> Cane mill and evaporator. E-N-4 88  |
| 347.        |             | <b>Brook Lawn Farm Company, N. Y. Fruit press.</b>   |
|             |             | E-E-1  |
| 348.        |             | <b>Buchanan, Jos. W., Indianapolis, Ind. Plows.</b>  |
|             |             | E-L-11   |
| 348a.       |             | <b>Bucher &amp; Gibbs Plow Co., Ohio.</b>  |
|             |             | <i>a</i> Plows. E-L-11   |
|             |             | <i>b</i> Harrows.  |
|             |             | <i>c</i> Land rollers.   |
|             |             | Imperial chilled and steel, hand sulk gang plows, all sizes. Steel and wood lever-harrows, tubular-land rollers, etc.  |
| 349.        |             | <b>Butterworth, Robert, Chicago. presses.</b>  |
|             |             | E-E-4  |
| 350.        |             | <b>Cardwell Machine Co., Richmond, Va.</b>   |
|             |             | <i>a</i> Hydraulic cotton and wool presses. E-O-1  |
|             |             | <i>b</i> Cotton seed oil mill machinery.   |
|             |             | Threshing machines and pea nut machine. Plug and smoking tobacco machinery.  |
| 351.        |             | <b>Cascaden, Thomas, Waterloo, I.</b>  |
|             |             | Farm kettles and feed grinders. E-C  |
| 352.        |             | <b>Challenge Windmill &amp; Feedmill, Batavia, Ill. Windmills, tanks, feed grs, corn shellers, etc. Windmill ex.</b>   |
| 353.        |             | <b>Champion Drill Company, Avon, I.</b>  |
|             |             | Grain and fertilizer drills. E-N-2   |
| 354.        |             | <b>Chanler, John A., New York. Methods of constructing roads.</b>  |
|             |             | 62d St. Entrance   |
|             |             | This system of street construction averages in original cost 40 per cent. cheaper than granite and 20 per cent. cheaper than phalt. As the rails relieve the street of per cent. of the wear, it is thus more durable than either and less expensive in maintenance. Address Equitable Building, N. Y. |
| 355.        |             | <b>Chattanooga Plow Company, Chattanooga, Tenn.</b>  |
|             |             | <i>a</i> Plows. E-E-11   |
|             |             | <i>b</i> Cane mills, evaporators and kettles.  |
|             |             | Chilled metal turning plows. Special patterns for export trade.  |
| 356.        |             | <b>Climax Road Machine Company, Marathon, N. Y. Road machine.</b>  |
|             |             | Road exhibit   |
| 357.        |             | <b>Clipper Chilled Plow Company, Lima, N. Y.</b>   |
|             |             | E-O-11   |
|             |             | <i>a</i> Plows, harrows and cultivators.   |
|             |             | <i>b</i> Hay rake.   |
| 358.        |             | <b>Coates, A. W., Company, Alliance, Ohio. Hay rakes.</b>  |
|             |             | E-E-5  |
| 359.        |             | <b>Cole Bros. Prong Plow Co., Greencastle, Ind. Prong plow.</b>  |
|             |             | E-L-11   |
| 360.        |             | <b>Collins Plow Co., Quincy, Ill.</b>  |
|             |             | <i>a</i> Plows and cultivators. E-R-10   |
|             |             | <i>b</i> Baling presses.   |

## Farming Tools, Implements and Machinery.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
371. <b>Columbian Cordage Company, Auburn, N. Y.</b> Binding twine. E-R-2	86	379. <b>Eclipse Corn Planter Co., Enfield, N. H.</b> Corn planter and fertilizer distributor. E-R-11	85
372. <b>Common Sense Engine Company, Muncie, Ind.</b> E-P-6		380. <b>Eclipse Manufacturing Company, Middlebury, Conn.</b> Grain and seed separator and grader. E-P-10	87
a Corn planters and check rowers. 85		381. <b>Eclipse Wind Engine Company, Beloit, Wis.</b> Windmill. Windmill ex. 88	
b Grinding mill and upright engine. 88		Eclipse pumping and geared windmills. Beloit steel mills and towers, stock tanks. Creamery tanks. Windmill machinery.	
374. <b>Crane Machine Company, Baltimore.</b> Combined roller, drill and harrow. E-P-7	84	382. <b>Elliott, Wm. S. G., &amp; Son, Walden, N. Y.</b> Mowing machine. E-M-1	86
375. <b>Craver &amp; Steele Mfg. Co., Harvey, Ill.</b>		383. <b>Emerson, Talcott &amp; Co., Rockford, Ill.</b> Mowers, tedders, rakes. E-G-7	86
a Grain header. E-E-5	86	Also manufacturers of horse corn planters, check rowers, cotton planters, cultivators and side delivery hay rakes.	
b Grain drill and pea planter. 85		384. <b>Empire Drill Co., Shortsville, N. Y.</b> Grain drills, plaster sower. E-N-5	85
376. <b>Crown Point Manufacturing Company, Crown Point, Ind.</b> Feed mill and horse power. E-A-3	88	385. <b>Engelberg Huller Company, Syracuse, N. Y.</b> Rice and coffee huller. E-C-5	87
377. <b>Cutaway Harrow Company, Higganum, Conn.</b> E-R-10		386. <b>Eureka Mower Company, Utica, N. Y.</b>	
a Harrows, plows and cultivators. 84		a Mower. E-E-3	86
b Root cutter, tool grinder, etc. 88		b Harrow and cultivator. 84	
378. <b>Davenport, Joseph P., Downers Grove, Ill.</b> Potato planter. E-E-10	84	387. <b>Everitt, James A., Indianapolis, Ind.</b>	
379. <b>Dayton Farm Implement Company, Dayton, O.</b> Harrows and combined harrow and seeder. E-R-11	84	a Cultivator and plow. E-E-9	84
379a. <b>Dean &amp; Mahan, Chicago.</b> Combination truck. E-R-6	88	b Seed drill. 85	
379. <b>Decorah Windmill Co., Decorah, Ia.</b> Windmills. Windmill ex. 88		389. <b>Excelsior Harrow Company, Big Springs, Ohio.</b> Harrow and pulverizer. E-E-10	84
371. <b>Dederick, P. K. &amp; Co., Albany, N. Y.</b> Mounted engine. E-R-4	88	390. <b>Famous Manufacturing Company, Chicago.</b> Baling presses. E-P-3	86
372. <b>Deere &amp; Mansur Co., Moline, Ill.</b>		"Champion" baling presses, steam, horse and hand power, for baling hay, straw, cotton, excelsior, shavings, moss, tin and paper scrap, dry goods, fruit, vegetables and all other balable materials. Largest factory and most complete line made in the world.	
a Planters, drills, etc. E-G-10	85	391. <b>Farmers' Friend Manufacturing Company, Dayton, Ohio.</b>	
b Hay loader. 86		a Harrow. E-P-3	84
373. <b>Deere &amp; Co., Moline, Ill.</b> Plows and cultivators. E-I-11	84	b Drills, corn planters and check rower. 85	
374. <b>Deering, Wm., &amp; Co., Chicago.</b> Harvesting machinery. E-I-6-7	86	c Hay rake and loader; mower. 86	
Manufacture grain binders, reapers, mowers and grain binder twine. Works the largest of the kind in the world. The original makers of elevator harvesters and first to bring out a successful automatic twine binder. Deering machines are noted for draft, strength and capacity.		392. <b>Farquhar, A. B., &amp; Co., York, Pa.</b> E-E-3	
375. <b>Derby &amp; Ball, Bellows Falls, Vt.</b> Scribe snaths. E-A-6	86	a Plows, harrows and cultivators. 84	
375. <b>Denscher, H. P., Company, Hamilton, Ohio.</b>		b Corn planter and grain drill. 85	
a Harrows and pulverizers. E-R-10	84	c Rake separator. 86	
b Corn planters. 85		d Thrasher and vibrator. 87	
377. <b>Dowagiac Manufacturing Company, Dowagiac, Mich.</b> Grain drills. E-N-6	86	e Corn sheller; portable engine. 88	
378. <b>Dowden Manufacturing Company, Frame City, Ia.</b> Potato harvester and cutter. E-P-9	84	393. <b>Field, J. A., Manufacturing Company, St. Louis.</b>	
		a Fruit evaporator, corn shellers, feed cutters, etc. E-G-5	87
		b Sugar and feed mills. 88	

## Farming Tools, Implements and Machinery.

- | Exhibit No.  | Class'n No. | Exhibit No.   | Class'n No. |
|--|-------------|---|-------------|
| 394. Flint & Walling Manufacturing Co.,<br>Kendallville, Ind. Windmills and attach-<br>ments. Windmill ex. 88  |             | 410. Hayes Pump & Planter Co., G<br>Check row and combined drill, j<br>shoveling boards, etc. E-R   |             |
| Star windmills, steel Star windmills, pumps<br>and water works goods.  |             | Hayes check row planters.<br>Eclipse combined planters.<br>"Boss" and "Daisy" shoveling board<br>Hot water heating apparatus.   |             |
| 395. Fogle, H. C., & Co., Stillwater, Minn.<br>Mower. E-E-8 86   |             | 411. Heebner & Sons, Lansdale, Pa<br>a Threshers and cleaners. E-<br>b Feed mill and cutters with c   |             |
| 396. Foos Mfg. Co., Springfield, Ohio.<br>a Corn planters. E-A-4 85<br>b Corn harvesters. 86<br>c Corn shellers. 87<br>d Farm mills and grinders. 88   |             | 411a. Heilman Plow Co., Evansvil<br>Plows. E-R-1<br>412. Heller, Aller, & Co., Napole<br>Wind engines. Windmill ex<br>413. Hendricks, D. B., Kingston,<br>Baling presses. E-R-2<br>414. Higbie, Nathaniel B., Cl<br>Oats cleaner. E-R-6<br>Higbie pat. automatic, with double se<br>for private and public stables. Size,<br>long, 14 in. wide, 10 in. deep. Built<br>strictly clear, kiln dried whitewood, with<br>wire screens. Price \$25.00 each. Sen<br>D. to any part of the U. S. Can be ret<br>same way in 10 days if not satisfactor |             |
| 397. Freeman, S., & Sons Manufacturing<br>Co., Racine, Wis. E-A-6<br>a Broad cast seed sower. 85<br>b Fanning mills and feed cutters. 88   |             | 415. Hoekstra, S. J., Sheboygan,<br>Horse power. E-R-11<br>416. Hoover & Prout, Avery, Ohio.<br>a Potato digger.<br>Greatest in capacity, efficiency and h<br>qualities. Separates vines, weeds, etc.,<br>the potatoes; no other digger attempt<br>b Potato sorter and sprouter.<br>The only sorter on the American mark  |             |
| 398. Fuller & Johnson Manufacturing Co.,<br>Madison, Wis. E-O-11<br>a Plows and cultivator. 84<br>b Corn planter, check rower and<br>transplanting machine. 85   |             | 417. Huber Manufacturing Company,<br>rion, Ohio.<br>a Thresher. E-A-7<br>b Traction engine.   |             |
| 398a. Gaar, Scott & Co., Richmond, Ind.<br>a Thresher. E-A-11 87<br>b Traction engine. 89  |             | 418. Hydraulic Press Manufacturing C<br>pany, Mt. Gilead, Ohio. Hydraulic p<br>presses. E-C-2<br>419. Iwan Bros., Streator, Ill. Drain<br>tile cleaners and post-hole augers.<br>E-R-11   |             |
| 399. Gale Mfg. Co., Albion, Mich. Till-<br>age implements. E-F-11 84<br>Plows, cultivators, harrows, hay rakes, seed-<br>ers, etc. 14 first prize medals.  |             | 420. Jacoby, T. C., Windmill Co.,<br>berly, Mo. Windmill. Windmill ex.  |             |
| 401. Geiser Manufacturing Company,<br>Waynesboro, Pa. E-C-10<br>a Thresher, separator and cleaner. 87<br>b Traction engine. 89   |             | 421. Johnson & Field Co., Racine, V<br>a Broadcast seeder. E-A-6<br>b Fanning and cleaning mills.   |             |
| 403. Gillette Clipping Machine Co., New<br>York. Horse clipping and sheep shear-<br>ing machines. E-C-5 88   |             | 422. Johnston Harvester Company, B<br>via, N. Y. E-G-8<br>a Pulverizers and cultivators.<br>b Harvester and binder, reaper<br>mowers.   |             |
| 404. Globe Windmill Co., West Pullman,<br>Ill. Windmill. W. ex. 88   |             | 423. Joliet Manufacturing Company,<br>liet, Ill. Corn shellers. E-E-4<br>Manufacturers of the "Eureka" and ot<br>power corn shellers, horse-powers, etc.  |             |
| 405. Grand Detour Plow Company, Dixon,<br>Ill. Plows, harrows and cultivators.<br>E-G-10 84  |             |   |             |
| 406. Gray's, A. W., Sons, Middletown<br>Springs, Vt. Thresher, separator and<br>cleaner. E-R-11 88   |             |   |             |
| 407. Hall Mowing Machine Company,<br>Portland, Me. Mowing machines.<br>E-M-1 86  |             |   |             |
| 408. Hancock Rotary Plow Co., Indian-<br>apolis, Ind. Rotary plows. E-A-5 84   |             |   |             |
| 409. Haworth & Sons, Decatur, Ill. Corn<br>planter, check rower. E-E-4 85<br>Front and rear covering wheel corn planter,<br>Haworth's. The original check rower,<br>cross and side wires. Drill and fertilizer<br>attachments. |             |   |             |

## Farming Tools, Implements and Machinery.

Exhibit No.	Class'n No.	
42. Joliet Strowbridge. Company, Joliet, Ill.		
a Grain seeders.	E-R-10	85
b Feed grinders.		88
43. Kaestner, Chas. & Co., Chicago.		
Grist and feed mills.	E-B-1	88
44. Kappe, W. J. H., Quincy, Ill.		
Baling presses.	E-R-11	87
Manufacture "The Favorite" horse and steam power hay and straw baling presses.		
45. Kelley, O. S., Co., Springfield, Ohio.		
Steam road rollers. South of annex		89
ones. 5 to 15 tons. Excellent machines. Being used by Columbian Exposition.		
47. Kemp & Burpee Mfg. Co., Syracuse, N. Y.		
Manure spreader.	E-A-4	84
49. Keystone Manufacturing Company, Sterling, Ill.		
a Harrow.	E-N-7	84
b Sower and planter.		85
c Hay loader and rake.		86
d Corn shellers, huskers and harvesters.		88
50. Kinnard Press Company, Minneapolis, Minn.		
Hay press.	E-R-6	87
51. King Bros., Westerville, Ohio.		
Stamp and rock extractor.		
Windmill ex.		88
53. Lawrie, John, Brookston, Ind.		
Cultivator.	E-E-9	84
54. Lean, R., & Son, Mansfield, Ohio.		
Harrows.	E-Q-11	84
Makers of Zigzag, Diamond and lever adjustable tooth all-steel harrows, suitable to all classes of soil throughout the world. Established over twenty years.		
55. Macleod, Malcolm, Los Angeles, Cal.		
Cultivator, rake and roller.	E-R-9	84
56. Manchester M'fg Co., Denver, Col.		
Hay press.	E-P-4	87
57. Mast, Foos & Co., Springfield, Ohio.		
Wind engine and pumps.		
Windmill ex.		88
58. Mast, P. P., & Co., Springfield, Ohio.		
a Cultivators.	E-N-7	84
b Grain drills; seeders.		85
c Hay rakes.		86
d Cider mills and hand carts.		88
59. May Bros., Galesburg, Ill.		
Windmill.		
Windmill ex.		88
60. McCallum, J., Manufacturing Company, Chicago.		
Potato digger, picker and loader.	E-E-19	86
61. McCormick Harvesting Machine Co., Chicago.		
Binders, reapers, mowers, dropers etc.	E-J-5	86
McCormick binders, reapers and mowers are used wherever grain and grass are grown. Their sales are enormous, their works turn-		

Exhibit No.	Class'n No.	
ing out a complete machine every minute. They always lead in improvements, and have won the grand prizes at all the World's Fairs and great Expositions ever held.		
442. McSherry Mfg. Co., Dayton, Ohio.		
a Harrow.	E-N-2	84
b Fertilizer drills.		85
443. Messinger, S. S., & Son, Tatamy, Pa.		
	E-N-2	
a Thresher, separator and stacker.		87
b Corn sheller, feed cutter, land roller.		88
445. Midland Mfg. Co., Kansas City, Mo.		
Hay press.	E-R-3	87
447. Milwaukee Harvester Company, Milwaukee, Wis.		
Harvester and binder, mowers.	E-E-6	86
We manufacture harvesters, binders, and mowers adapted to every market in the world. Unexcelled for durability, simplicity, and lightness of draft. Do not fail to see our exhibit and get catalogue.		
448. Minneapolis Esterly Harvester Company, Minneapolis, Minn.		
Harvesters and mowers.	E-N-8	86
449. Minneapolis Threshing Machine Company, Minneapolis, Minn.		
E-C-11		
a Threshing machine, band cutter and feeder and grain measurer and bagger.		87
b Traction engines.		89
450. Moline Plow Company, Moline, Ill.		
a Plows and cultivators.	E-C-11	84
Makers of the celebrated Flying Dutchman Sulky Plow. The first three-wheel plow made, and the best plow made to-day. Also riding and walking gangs of all descriptions for every variety of soil.		
b Corn planter.		85
Makers of the first combined corn planter with drill at no extra charge. Also corn, cotton and beet drills, and riding and walking listers for corn and wheat. See exhibit in agricultural annex, section 13.		
451. Morgan, D. S., & Co., Brockport, N. Y.		
a Harrows and hoes.	E-N-3	84
Morgan spading harrow; the best rotary harrow made; 3 styles, 7 sizes, with seeder attachment. Morgan spading cultivator. Morgan lock lever, spring-tooth harrow. The Morgan grape and berry hoe is indispensable to the vineyardist.		
b Reaper, mower and binder, hay rake.		86
Established 1845. We manufactured the first successful reaper, and to-day our Triumph mowers, reapers and binders are unsurpassed; examine the Morgan horse hay rake. Western office, 248 Johnson Street, Chicago.		

## Farming Tools, Implements and Machinery.

- | Exhibit No.   | Class'n No.        | Exhibit No.   |
|---|--------------------|---|
| 452. Morrison Manufacturing Company, Fort Madison, Iowa. Plows, cultivators, listers and harrows.   | E-R-11 84          | 470a. Pope, R. C., Chicago. Street and road rollers.  |
| 453. Moulton, Edward C., San Francisco. Pea sheller.  | E-A-3 87           | South of Anna. Ninety per cent. less cost than steel. Has proportional diameter overco resistant and pulling forces, F tongue, anti-friction bearings. I the old theory that heavier rollers the best results. 41 cities have add roller in place of steam rollers. |
| 454. Murphy, John, Columbus, Ohio. Brick pavement.  | South of Annex. 89 | 471. Porter, E. A., & Bro., Green, Ky. Feed cutter and feed   |
| 454a. Myers, F. E., & Bro., Ashland, Ohio. a Hay tools.   | E-L-10 86          | E-N-3   |
| b Iron pumps.   | 88                 | 472. Porter, Jos. E., Ottawa, Ill. carriers.  |
| Iron force pumps for hand and windmill use; windmill regulators, spray pumps. Reversible hay carriers for wood or single and double steel track. Hay forks, pulleys, etc. |                    | E-L-1   |
| 455. Nash, D. H., Millington, N. J. Harrow, clod crusher and leveler.   | E-E-10 84          | 473. Potato Planter Co., Travers Mich. Potato planter.  |
| 456. Niles & Scott Co., LaPorte, Ind. Implement wheels.   | E-A-6 86           | F-P-1   |
| 457. Nurdyke & Marmon Co., Indianapolis, Ind. Mills and shellers.   | E-P-2 88           | 474. Price, L. J. & J. M., Macoi Syrup evaporator.  |
| 458. Nye, Sherman R., Chicopee Falls, Mass. Horse rake.   | E-R-11 86          | E-A-1   |
| 459. O'Hara, John H., Chicago. a Corn planter and harvester.  | 85                 | 475. Princess Plow Company, Ohio. Plows.  |
| E-G-7   |                    | E-R-1   |
| b Reaper and binder, hay rake and tedder.   | 85                 | 476. Quincy Baling Press Co. Quincy, Ill. Baling press.   |
| c Traction engine.  | 89                 | E-R-1   |
| 460. Oliver Chilled Plow Works, South Bend, Ind. Plows.   | E-J-11 84          | 477. Reliable Incubator & Broode Quincy, Ill. Incubators and bro Incubator building.  |
| 461. Osborne, D. M., & Co., Auburn, N.Y. a Harrows.   | E-J-8 84           | Located south of agricultural bu Dealers in fancy poultry, food and su The only incubator and brooder com Write for catalogues.   |
| b Mowers, harvesters, binders, hay rakes and tedders.   | 86                 | 478. Roberts, John H., Sacramento, Tractor engine.  |
| 462. Owens, J. L., & Co., Minneapolis, Minn. Fanning mills.   | E-P-3 87           | E-C-1   |
| 463. Parrish, Heber, Morrison, Ill. Grain separator and cleaner.  | E-A-6 87           | 479. Roberts, Throp & Co., Three R Mich. Threshers, shellers.   |
| 464. Patch, Asahel H., Clarksville, Tenn. Hand corn sheller.  | E-E-10 87          | E-B-1   |
| 465. Pease, E. H., Manufacturing Company, Racine, Wis. Grain separator, oat clipper and fanning mills.  | E-C-6 88           | 480. Robinson & Co., Richmond, Ind a Thresher.  |
| 466. Perkins, H. H., Manufacturing Company, Kewanee, Ill. a Corn planter.   | E-R-11 85          | E-A-10  |
| b Corn husker.  | 86                 | b Stack and band cutter.  |
| 467. Perry, Judson D., Detroit, Mich. Plow, pulverizer and potato digger.   | E-E-10 84          | c Traction engine.  |
| 468. Pirch, August, Los Angeles, Cal. Irrigation and ditching plow.   | E-L-11 84          | 481. Ross, E. W., Company, Spring Ohio. Fodder, straw and cane cutte  |
| All purpose reversible side hill plow.  |                    | E-E-6   |
| 469. Plano Manufacturing Company, Chicago. Binder, header and mowers.   | E-E-8 86           | Oldest and most reliable manufactur ensilage cutters and horse powers in U. S. Ensilage book and catalogue fr   |
| 470. Pope, John L., Cleveland, Ohio. Pavement.  | E-R-11 89          | 481a. Russell & Co., Massillon, Steam road rollers.   |
|   |                    | 482. Sandwich Enterprise Co., Sandw Ill.  |
|   |                    | E-G-11  |
|   |                    | a Cultivators, harrows.   |
|   |                    | b Cotton planter.   |
|   |                    | c Corn slicer.  |
|   |                    | d Windmills with pump and c attachments. Windmill ex.   |
|   |                    | 483. Sandwich Manufacturing Comp Sandwich, Ill.   |
|   |                    | a Harvester.  |
|   |                    | E-G-7   |
|   |                    | b Corn sheller and baling press.  |
|   |                    | Sandwich power corn shellers are mac five sizes, ranging in capacity from 4   |

## Farming Tools, Implements and Machinery.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
10 bushels per hour. Capacity of machine shown, 350 bushels per hour. Southwick baling press—machine shown is model no-fourth size. American harvester—the latest. New features of greatest value.		499. Stevens, A. W., & Son, Auburn, N. Y.	
11. Sattley Manufacturing Company, Springfield, Ill.	E-G-11	a Threshing machine.	E-A-8 87
a Plows, cultivators and harrows.	84	b Traction engine.	89
b Straw stacker.	87	500. Stoddard Manufacturing Company, Dayton, Ohio.	
12. Schleicher, Schumm & Co., Philadelphia. Gasoline engine. 1. E. ex.	88	a Harrow.	E-R-8 84
stationary and portable gasoline and petroleum engines.		b Drills.	85
13. Seiberling, J. F., & Co., Akron, Ohio. Harvesting machinery.	E-L-8 86	c Hay rakes and mower.	86
14. Skandia Plow Company, Rockford, Ill.	E-N-10	501. Stover Mfg. Co., Freeport, Ill. Windmill.	Windmill ex. 88
a Plows, cultivators and harrows.	84	502. Straub, A. W., Philadelphia. Grinding mills.	E-C-6 88
b Corn planters and listers.	85	503. Superior Drill Company, Springfield, Ohio.	
15. Slanson, Daniel, Fulton, N. Y. Iron gate. South of Annex	88	a Grain and fertilizer drills.	E-R-7 85
16. Smalley Manufacturing Company, Manitowoc, Wis. Ensilage and feed cutting machinery.	E-E-7 88	b Hay carriers and forks.	86
Make a full line of ensilage and fodder cutting machinery, including cutters, all sizes and capacities; prices, \$3 to \$300. Carriers any length and style to suit special class; powers 2, 4, and 6-horse sweep; 1, 2 and 3-horse tread; 2, 4 and 6-horse engines. Ensilage pamphlet and catalogue free.		504. Superior Land Roller Company, Geneva, N. Y. Field rollers.	E-L-11 84
17. Smith, Oliver A., Clarkston, Mich. Land roller and spraying pump.	E-R-3 88	505. Syracuse Chilled Plow Works, Syracuse, N. Y.	
18. Smith, W., & Co., Mystic, Iowa. Stump extractor. Fence exhibit	88	a Plows and cultivators.	E-I-10 84
19. South Bend Chilled Plow Company, South Bend, Ind. Plows and cultivators.	E-P-11 84	b Hay forks.	86
Walking and riding plows for all nations.		506. Thomas Manufacturing Company, Springfield, Ohio.	
20. South Bend Stacker Co., South Bend, Ind. Straw stackers.	E-C-9 86	a Harrow.	E-P-7 84
21. Star Drill Co., Rushville, Ind. Grain and fertilizer drills.	E-G-10 85	b Hay rakes and tedders.	86
22. Sterling Manufacturing Company, Sterling, Ill.		507. Tousley Harvester Company, Jamestown, N. Y. Harvester and binder.	E-A-3 86
a Harrows.	E-G-5 84	507a. Townsend, J. L., Fulmore, N. C. Stalk cutter.	E-L-5 88
b Seeder.	85	508. Tucker, Irett F., Sumner, Mich. Windmill.	Windmill ex. 88
c Corn stalk cutter; feed grinder.	88	510. Union Iron Works Co., Newark, O. Traction engine.	
23. St. Johnsville Agricultural Works, St. Johnsville, N. Y.		Traction engine exhibit	89
a Grain threshers.	E-A-6 87	Our traction engine is a world-beater. More work; less steam; less repairs; easier handled. Patented features: Gearing on independent frame; adjustable friction, saving machinery from strain; automatic governor; double speed; double power; changeable at will from the foot board.	
b Portable engine and horse power.	88	510a. United States Wind Engine Company, Batavia, Ill. Windmills and feed and grinding mills.	Windmill ex. 88
24. St. Joseph Manufacturing Company, Milwaukee, Ind. Plows and cultivator.	E-M-11 84	511. Valley Iron Works Co., Appleton, Wis. Feed-grinding mills.	E-A-5 88
25. Steel Platform Binder Co., Kamms, Ohio. Harvester and binder.	E-M-1 86	512. Ward, Montgomery, & Co., Chicago.	
		a Hay stacking and carrying apparatus.	E-R-6 86
		b Corn grinders and shellers and bone grinder.	88
		The goods here exhibited represent but a few of the many lines manufactured or sold by this firm. Twenty-one years ago we originated the plan of supplying consumers	

## Farming Tools, Miscellaneous Animal Products, Fats, Oils, Soaps, Candles, &amp;c.

**Exhibit No.** **Class'n No.**  
at wholesale. Out-of-town trade only. Capital, \$2,500,000; employes, 750. Receives the largest mail in the U. S. and carry a million dollar stock of goods. Large catalogue given to visitors or mailed for 15 cents. Michigan Ave. and Madison St.

**513. Warder, Bushnell & Glessner Co.,** Chicago. Mower, reaper and harvester. E-L-7 86

Factory at Springfield, O. The 'Champion, the latest improved and most novel of grain binders and mowers; light, every way practical, most durable; unlike other machines for this purpose; complete departure from old-time methods. The most interesting exhibit in the agricultural department.

**513a. Western Wheeled Scraper Co., Aurora, Ill.** Road machines, wheeled scrapers and model roads. E-R-1, Sec. C 89

**514. Westinghouse Company, Schenectady, N. Y.**

*a* Threshers. E-A-11 87  
*b* Traction engine. 89

**515. Whitely, Wm. N., Company, Springfield, Ohio.**

*a* Harvester, binder and mower. 86  
*b* Corn-cutting machine. 88

**516. Whitfield, Thomas, Chicago.** Oats cleaner. E-A-2 87

**517. Whitman Agricultural Co., St. Louis.**

*a* Tread horse power. E-N-5 84  
*b* Drill and sower. 85  
*c* Baling presses; corn shellers. 87  
*d* Cider mills. 88

Whitman's baling presses. Victorious throughout the world. Have never been beaten in a contest. Manufacture a full line.

**518. Whitman & Barnes Manufacturing Co., Akron, Ohio.**

*a* Cultivators. E-I-5 84  
*b* Reaper and mower. 86  
*c* Engine and boiler. 88

**520. Wilson Bros., Easton, Pa.** Bone mill and cutter. E-A-5 88

We manufacture bone mills for hand and power. They will grind raw bone, green or dry. For the poultryman, farmer, gardener, fertilizer and manufacturer. Also feed mills. Medals and diplomas awarded wherever exhibited. Send for illustrated circulars and testimonials, or call upon us.

**521. Wood, Walter A., Mowing & Reaping Machine Co., Hoosick Falls, N. Y.**

Harvester, binder, bundle carriers, mowers and hay rakes. E-J-4 86  
Mowers, reapers, binders and hay rakes.

**Exhibit No.**

**521a. Wood, Walter A., Harvester** St. Paul, Minn. Harvesters, binder dle carriers, mowers and hay rakes

E-L-4  
Mowers, reapers, binders and hay rakes

## GROUP 17.

## Miscellaneous Animal Products—Fertilizers and Fertilizing Compounds

**522. Armour & Co., Chicago.**  
*a* Gelatine and glue. D-A-1  
*b* Hair.

**523. Crystal Gelatine Co., Boston.**  
tine. H-I-7

**524. Grace, Wm. R., & Co., New** Nitrates of soda, potash, etc. F-C-1  
Importers and agents for Permanent N Committee of London.

**525. Janesville Bone Fertilizing Chemical Works, Janesville, Wis.** Fertilizers. F-G-1

**526. Knox, Chas. B., Johnstown, N. Y.** Gelatine. H-H-7

**528. McLeish, E. E., & Co., Buffalo, N. Y.** Gelatine. H-H-7

**529. Michigan Carbon Works, Detroit, Mich.**

*a* Glue. F-B-1  
*b* Fertilizers, ammonia.

**530. North Packing & Provision Co.,** ton. Fertilizers. D-D-0

**531. Swift and Company, Chicago.** F-E-1

*a* Glue, horns, hoofs and bone.  
*b* Fertilizing material.

**532. Wiedersheim, John A., Philadelphia** Original letters patent for reaping mowing machines.

Entrance to Annex.

## GROUP 18.

## Fats, Oils, Soaps, Candles, Etc.

**533. American Copper, Brass & Iron Works, Chicago.** Brewers' supplies. E-A-1

**533a. American Cotton Oil Co., New York** Cotton seed oil and products. C-H-0  
Refined cotton seed oils. Winter and summer white, winter and summer yellow, Salad oil, cooking oil and miners' oil. C  
tolene, a vegetable cooking fat, made of refined cotton seed oil and purified beef su

**534. Armour & Co., Chicago.**  
*a* Butterine. D-A-1  
*b* Stearine.

**535. Baker Castor Oil Co., New York** Castor oil. F-J-4

## Fats, Oils, Soaps, Etc.—Incubators, Etc.

Exhibit No.	Class'n No.
536. Balcom, P. A., Soap Company, Denver, Col. Toilet soap.	F-O-5 96
"Geyserite" an original toilet soap. Cleans and heals quickly. It acts perfectly in all waters. Correspondence solicited. Agents wanted in all parts of the world.	
537. Banmer, Francis, Syracuse, N. Y. Candles and beeswax.	C-H-3 97
538. Columbia Cleansing Compound Company, Chicago. Cleansing compound.	F-H-1 96
539. Dall, Chas., Newburgh, N. Y. Cloth renovator.	F-K-4 96
540. Dreydoppel, Wm., Philadelphia. Soaps.	F-M-6 96
541. Eckermann & Will, Syracuse, N. Y. Beeswax and candles.	C-H-3 97
542. Electric Cleanser Company, Canton, Ohio. Cleaning compound.	F-M-8 96
Cleans carpets, rugs, woodwork, glass, brass, woolen, silk, satin and plush goods.	
543. Frazer Lubricator Co., Chicago. Grease and oil.	F-M-7 98
545. Gross Bros., Milwaukee, Wis. Soap.	F-M-8 96
Western House, 55 S. Canal St., Chicago, Ill.	
546. Hooper, Geo. F., Sonoma, Cal. Olive oil.	H-L-9 95
547. Johnson, Geo. T., Chicago. Eradicator.	F-K-4 96
548. Kendall Mfg. Co., Providence, R. I. Soaps.	F-M-6 96
549. Leonard & Ellis, Chicago. Lubricating oils.	F-L-9 98
550. Miller, Wm. P., Company, Brooklyn, N. Y. Lubricating compounds.	F-D-1 98
551. National Linseed Oil Co., Chicago. Oils, oil cake and meal.	C-A-6 96
552. Noonan, T. H., & Co., New York. Clothes and glove cleaner.	F-H-6 96
553. North Packing & Provision Co., Boston. Lard.	D-D-0 94
554. Ostrom & Lincoln Co., Bridgeport, Conn. Soaps and soap fixtures.	F-M-6 96
555. Phoenix Candle Co., New York, N. Y. Candles.	C-H-3 97
556. Scoville, E. U., Manlius, N. Y. Hay rack pulleys.	I-F-1 96
557. Selby, Ralph R., Ballard, Cal. Olive oil.	H-K-5 95
559. Swift and Company, Chicago. Butterine, lard and oils.	H-F-4 94
Neutral lard.	
560. Wallace, D. O., & Co., Chicago. Furniture-cleaning compound.	F-I-6 95
561. Ward, Everett, New York. Soaps and soap powder.	F-M-7 96

4A

Exhibit No.	Class'n No.
562. Werk, M., Co., Cincinnati. Glycerine, candles, fatty acids.	C-I-3 97
563. Wise Lubricating Co., Chicago. Lubricating compounds.	F-K-6 98
564. Wrigley Mfg. Co., Philadelphia. Scouring soap.	F-M-6 96
Wrigley's Mineral scouring soap, established in 1870. Highest premium awarded by the Franklin Institute of Pennsylvania in 1874. Used for cleaning, scrubbing, scouring and polishing.	

Exhibits Classed in Other Departments but Installed in This.

## DEPARTMENT B.

## GROUP 21.

Pomology; Manufactured Products—Methods and Appliances.

565. Erie Preserving Co., Buffalo, N. Y. Preserved fruits.	H-L-8 140
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## DEPARTMENT C.

## GROUP 34.

## Poultry and Birds.

566. Emmerich, Charles, & Co., Chicago. Feathers and pillows.	F-H-5 232
Established 1858. The oldest, largest and only exclusively feather house in America. 175-181 S. Canal St., cor. Jackson St.	
567. Lindemann, O., & Co., New York. Bird cages.	F-K-5 229
567a. Reliable Incubator & Brooder Co., Quincy, Ill. Incubators and Brooders. Incubator Bldg.	231
Located south of Live Stock Pavilion. Dealers in fancy poultry, food and supplies. The only incubator and brooder combined. Write for catalogues.	
568. Von Culin Incubator Co., Delaware City, Del. Incubator Bldg.	231
a Incubators and brooders.	231
b Egg testers.	232
569. Williams, A. F., Bristol, Conn. Incubators. Incubator Bldg.	231
The Improved Monitor Incubator is made on scientific principles, and none but first-class mechanics are employed in its construction. The material used is the very best. The regulator is simple and works perfectly. First premiums at all great fairs and expositions. Large catalogue free.	

## Miscellaneous.

## DEPARTMENT E.

## GROUP 48.

**Salts, Sulphur, Fertilizers, Pigments,  
Mineral Waters and Miscellaneous Use-  
ful Minerals and Compounds.**

Exhibit No.	Class'n No.
570. Kansas Salt Co., Hutchinson, Kas. Table and dairy salt.	H-E-1 314
571. Kerr, Alex., Bro. & Co., Philadelphia. Salt.	H-C-1 314
572. Nash, Whiton & Co., New York. Salt.	H-F-1 314

## DEPARTMENT F.

## GROUP 69.

**Motors and Apparatus for the Generation  
and Transmission of Power—Hydraulic  
and Pneumatic Apparatus.**

573. Red Jacket M'fg Co., Davenport, Iowa. Force pumps. Windmill Ex.	417
574. St. Joseph Pump Co., St. Joseph, Mo. Elevator and purifying pump.	E-B-2 Annex 417
Manufacturers of the celebrated "Perfec- tion" water, elevator and purifying pump.	

## GROUP 77.

**Miscellaneous Hand Tools, Machines and  
Apparatus Used in Various Arts.**

575. Butchers' Supply Co., St. Louis. Packing house appliances.	486
575a. Wolf, Sayer & Heller, Chicago. Meat market supplies.	486
Manufacture the Model Cooler; guaranteed perfect dry air at least cost of ice.	

## GROUP 79.

**Machinery Used in the Preparation of  
Foods, etc.**

576. Confectioners' and Bakers' Supply Co., Chicago. Candy makers' and ice cream machinery.	E-C-3 495
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## DEPARTMENT G.

## GROUP 83.

**Vehicles and Methods of Transportation  
on Common Roads.**

577. Mast, P. P., & Co., Springfield, Ohio. Hand cart.	E-N-7 510
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## DEPARTMENT H.

## GROUP 87.

**Chemical and Pharmaceutical Pro-  
Druggists' Supplies.**

Exhibit No.	Class'n No.
578. Baker, H. J., & Bro. Camphor F-J-5	

## GROUP 89.

**Typewriters, Paper, Blank Book  
Stationery.**

578a. Union Bag & Paper Co., Chi- cago. Paper bags.	C-G-4
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## GROUP 112.

**Scales, Weights and Measures.**

579. Chicago Scale Co., Chicago. a Commercial scales. Dairy Bldg. The only make in this exhibit.	
b Stock or wagon scales. Stock Pav- ilions. Recognized by the world as a stan- dard. The only make of scales used in the national stock exhibit. Boulton's Stock c Chemists scales. Laboratory The only make used in this department	

## GROUP 115.

**Heating and Cooking Apparatus and  
Appliances.**

580. Bailey Oven Co., Mansfield, M- O. Ovens.	E-A-4
580a. Hubbard Portable Oven & M'fg Co., Chicago. Steel ovens.	E-C-2
Portable sectional steel ovens.	

## GROUP 119.

**Vaults, Safes, Hardware, Edge Tool  
Cutlery.**

581. Excelsior Burglar Alarm Co., Cle- veland, Ohio. Burglar alarms.	
582. Knickerbocker Ice Co. Ice cutti- ng tools.	
583. Stover M'fg Co., Freeport, Ill. Bo- iler holders, door springs, etc.	E-A-4

# CALIFORNIA.

LOCATION—SEC. D.—S. W. QUARTER.

Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class'n No.
1. Adam, W. L., Santa Barbara. Barley.	4
2. Allen, B. F., Chico. Wheat.	1
3. Ayeris, E. W., Santa Ana Valley. Oats in straw.	3
4. Barnes, E. W., Escondido. Corn.	2
5. Barnard, A. D., Santa Ana Valley. Wheat in straw.	1
6. Bidwell, John, Chico. Wheat.	1
7. Blockman, L. E., Santa Maria. Wheat.	1
8. Borley, T. J., Santa Ana. a Oats.	3
b Barley.	4
9. Branch, John, Artesia. a Popcorn.	2
b Alfalfa.	9
10. Brockway, C. Z., Sacramento. a Corn.	2
b Barley.	4
11. Brunson, James, Escondido. Wheat.	1
12. Bryant, William, Routiers. Wheat.	1
13. Byers, P. L., Santa Paula. Corn.	2
14. Carroll, Wm., Sacramento. Oats.	3
15. Clark, M. H., Upper Ojai. Wheat in straw.	1
16. Clausen, F. J., Del Sur. Wheat.	1
17. Clausen, J. F., Lancaster. Wheat.	1
18. Cochems, Nicholas, Del-Sur. Barley.	4
19. Coffman, Frank, Rivera. Corn.	2
20. Coffman, O. A. Corn.	2
21. Cook, George, Nellie. Wheat.	1
22. Coon, D., & N., Elk Grove. Oats.	3
23. Covert, John, Lancaster. Wheat.	1
24. Craigie, H. G., Gordon, Pasadena. Wheat.	1
25. Crow, J. M., Encinitas. Corn.	2
26. Darling, David, Saticoy. Corn.	2
27. Dryers, A. G., Saticoy. Corn.	2
28. Eddy, Amos, Compton. Alfalfa.	9
29. El Protrero Indians, Valley Center. Barley.	4
30. Fanita Ranch, El Cajon. Oats in straw.	3
31. Ferand, Jules, Santa Ana Valley. Barley.	4
32. Ferano, T., Ojai Valley. Barley in straw.	4
33. Flint, S. H., Saticoy. Barley.	4

Exhibit No.	Class'n No.
33. Fredrichs, T. J., Conejo. Wheat.	1
34. Greer, Walter W., Sacramento. a Wheat.	1
b Barley.	4
35. Groer, E., Sacramento. Barley.	4
36. Hack, John, Union House. Wheat.	1
37. Hack, N. D., Freeport. Oats.	3
38. Hay, Anderson, Los Angeles. Maize.	8
39. Hockmeyer, A., Santa Ana. Corn.	2
40. Hule, C. A., Union House. Wheat.	1
41. Johnston, W. A., Norris Grant. Wheat.	1
41a. Landers, Mass. Wheat.	1
42. Levy, A., Hueneme. Barley.	4
43. Luce, N., Lincoln. a Corn.	2
b Oats.	3
44. Maier & Zobelein, Los Angeles. Barley.	4
45. Makam, F., Santa Ana. a Oats.	3
b Barley.	4
46. McCabe, H. E., Leptoc. Barley.	4
47. McCoy, C. B., Simi. Oats.	3
48. Morehead, T. S., Lumpoc. Barley.	4
49. Newport, William, Perris. Alfalfa.	9
50. Norton, Chas. V., Escondido. a Wheat.	1
b Corn.	2
51. Peabody, A. L., El Cajon. Wheat in straw.	1
52. Phillips, A. H., Goleta. Corn.	2
53. Rapp, J. B., Colgrove. Maize.	8
54. Rambo, E. L., Twin Oaks. Corn.	2
55. Ramasuri, W. P., Florence. Alfalfa.	9
56. Rincon Indians, Valley Center. Wheat.	1
57. Rockwood, B. B., Escondido. Alfalfa.	9
58. Roedtrantz, C., Los Angeles. Barley.	4
59. Ryntson, H. C., Ojai. Oats.	3
60. San Marcos Land Co., San Marcos. a Wheat.	1
b Oats.	3
61. Seeley, W. R., West Saticoy. Corn.	2
62. Sexton, Jos., Goleta. a Oats.	3
b Pampas grass.	8
63. Shafer, Nelson, Sacramento. Wheat.	1
64. Shipley, Senator, Nelson. Wheat.	1

## Cereals, Grasses and Forage Plants, Syrups, Root Crops, Farm Products.

Exhibit No.	Class'n No.
65. Small, H. K., Olive. Wheat.	1
66. Smith, D. E., Hueneme. Barley.	4
67. Snow, I. F., Santa Ana. Corn.	2
68. Soper, P. W., Ojai Valley. Wheat in straw.	1
69. Sparks, E. J., Lincoln. Wheat.	1
70. Squire, E. W., Vista. Wheat.	1
71. Stevens, Louis, Santa Monica. Barley.	4
72. Stevenson, R., Otay. Wheat in straw.	1
73. Stocking Bros., Escondido.	
a Wheat.	1
b Corn.	2
74. Strong, Mrs. H. R. W., Whittier.	
a Corn.	2
b Pampas grass.	8
75. Studarus, Chas., Schoolhouse Station. Wheat.	1
75a. Suman, J. V., Colton	
a Wheat.	1
b English corn.	2
c Barley.	4
d Rye.	5
e Alfalfa seed.	9
76. Van Nuys, I. N., Los Angeles. Wheat.	1
77. Waldron, S. A., Los Angeles. Wheat.	1
78. Walker, Lewis, Canada Larga. Wheat in straw.	1
79. White, E. A., Santa Ana. Corn.	2
80. White, Herbert, Rivera. Corn.	2
81. Wilson, C. N., San Fernando. Rye.	5

## GROUP 3.

82. Albertz, F., Cloverdale. Grape syrup.	19
83. Barnett, A., Whittier. Honey.	26
84. Brodbeck, G. W., Los Angeles. Honey.	26
85. Burnett, Allen, Whittier. Honey.	26
86. Corey & Touchton, Santa Paula. Honey.	26
87. Hillier, H. H., Pasadena. Honey.	26
88. Mackey, R., Banning. Honey.	26
89. Martin, J. H., Redlands. Honey.	26
90. McIntyre, J. F., Fillmore. Honey.	26
91. Mellen, A. B., Acton. Honey.	26
92. Mendenhall, T. W., Whittier.	
a Cane seed.	17
b Sorghum.	24
93. Rowley, L. T., Sunland. Honey.	26
94. Thomas, C. C., Winchester. Honey.	26
95. Trickey, F., Bishop. Honey.	26
96. Woodbury, G. B., Verdugo. Honey and beeswax.	26

## GROUP 4.

97. Anderson, J. Y., Westminster. Beets.	29
98. Atkinson, B., Los Angeles. Potatoes.	28
99. Bandle, E., Burbank. Potatoes.	28

Exhibit No.	Class'n No.
100. Butler, J. M., Los Angeles. Potatoes.	
101. Dare, C. B., El Cajon. Potatoes.	
102. Draves, H. C., Harmony. Beets.	
103. Elliott, E., Santa Barbara. Beets.	
104. Enthwhistle, James, Cahuenga. Carrots.	
105. Franklin, Gideon, Carpenteria. Nuts.	
106. Franzen, A., Orange. Potatoes.	
107. Gibbs, I., Vernon. Beets.	
108. Kline, A., Santa Ana. Carrots.	
109. Lucock, T. J., Clear Water. Carrots.	
110. Murdock, S. J., Westminster. Carrots.	
111. Pine, William, Vernon. Peanuts.	
112. Penman, Daniel, Cahuenga. Beets.	
113. Rutherford, Stephen. Naples. Beets.	
114. Strawbridge, W. T., Whittier. Potatoes.	
115. Thompson, Fred, Workman. Turnips.	
116. Thurmond, J. R., Carpenteria. Sweet potatoes and yams.	
117. White, A. E., Santa Ana. Turnips.	
118. White, E. A., Justin. Peanuts.	
119. Williams, Geo., Santa Barbara. Turnips and carrots.	
120. Wolf, John, Tropic. Beets.	

## GROUP 5.

121. Anderson, M. H., Santa Paula. Beans.	
122. Bacon, I. C., Capistrano. Beans.	
123. Baker, W. R., Pasadena. Squash.	
124. Bandle, E., Burbank. Beans.	
125. Beckwith, Chas. A., Santa Paula. Beans.	
126. Cummings, S. F., Santa Paula. Beans.	
127. Darling, David, Saticoy. Beans.	
128. Edmondson, R. B., Mostaño. Beans.	
129. Ellis, J. C., University. Beans.	
130. Faulkner, G. W., Santa Paula. Beans.	
131. Gibbs, I., Vernon. Beans.	
132. Gosnell, T. B., Avenue. Beans.	
133. Henderson, Mrs. G. L., Chula Vista. Melons.	
134. Hicks, C. H., Los Angeles. Beans.	
135. Jacobs, W. G., San Marco. Pumpkin, squash and melons.	
136. Kelllogg, Frank, Goleta. Pumpkins.	
137. Kelsey, T. A., West Saticoy. Beans.	

Vegetable Substances, Fibres, Liquors, Fertilizer, Fats, Oils.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
138. Kelsey, T. B., Ventura. Beans.	32	156. Bishop, Miss C. M., Pasadena. Silk cocoons.	61
139. Levy, A., Anaheim. Beans.	32	157. Luce, N., Lincoln. Cotton on stalk.	53
140. Lombardo, F., Montalvo. Beans.	32	<b>GROUP 11.</b>	
141. McGregor, Joseph, Lompoc. Cabbage.	32	158. Rossi, P. C., San Francisco. Vermouth.	70
142. Price, A., Ventura. Beans.	32	<b>GROUP 17.</b>	
143. Ready, W. E., Ventura. Beans.	32	159. Woodbridge, Baruch, Los Angeles. Fertilizer.	93
144. Sexton, Jos., Goleta. Beans.	32	<b>GROUP 18.</b>	
145. Silver, T., Montalvo. Beans.	32	160. Closs, F., Auburn. Olive oil.	95
146. Stahl, N., Los Angeles. Squash.	32	161. Goodrich, E. C., Santa Clara. Olive oil.	95
147. Stocking Bros., Escondido. Beans.	32	163. Howland, J. L., Pomona. Olive oil.	95
148. Swan, Geo. C., El Cajon. Water-melons.	32	163a. Parrott, Tiburcio, St. Helena. Olive oil.	H-1 95
149. Thompson, D. W., Ventura. Beans.	32	164. Roberson, Mrs. Emily, Auburn. Olive oil.	95
150. Thorp, S. R., Gardena. Beans.	32	165. Selby, Ralph R., Ballard. Olive oil.	95
151. True, N. A., Los Angeles. Pumpkins.	32	166. Smith, Julius P., Livermore. Olive oil.	95
152. Wheelan, F. H., Santa Barbara. Beans.	32	166a. Wetmore, Chas. A., Livermore. Olive oil.	G-3 95
153. Wolf & Lehman, Hueneme. Beans.	32		
<b>GROUP 8.</b>			
154. Broughton, W. W., Lompoc. Mustard.	47		
<b>GROUP 9.</b>			
155. Bailey, C. P., San Jose. Angora goat fleeces.	60		

COLORADO.

LOCATION-SEC. C.-S. E. QUARTER.

Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
<b>GROUP 1.</b>			
1. Abbott, H. C., Las Animas. Wheat.	1	16. Benhart, Fred., Sterling. Corn.	2
2. Ackerman, F., Hygiene. Wheat.	1	17. Benson, N. J., Montrose. Wheat.	1
3. Adams, H. C., Las Animas. Wheat.	1	18. Bent, A. D., Rocky Ford. Corn.	2
4. Affelter, F., Longmont. Wheat.	1	19. Bent, A. E., Lamar. Oats.	3
5. Alfalter, Y., Longmont. Wheat.	1	20. Berry, F. M., Beulah.	
6. Arakito, Abeyta, Weston. Oats.	3	a Wheat.	1
7. Allen, C. W. Oats.	3	b Corn.	2
8. Atman, C., Denver. Corn.	2	c Barley.	4
9. Ayres, H. T., Durango. Oats.	3	d Rye.	5
10. Babcock, L. W., Trinidad. Oats.	3	e Buckwheat.	7
11. Ballings, David, Highland Lake. Oats.	3	f Millet.	8
12. Bashor, J. D., Hygiene. Wheat.	1	21. Berry, H., Beulah. Oats.	3
13. Beasley, J. J., Longmont. Wheat.	1	22. Berry, Henry, Beulah.	
14. Bebbhardt, E., Sterling. Corn.	2	a Wheat.	1
15. Becklet, P., Longmont. Oats.	3	b Oats.	3
		c Barley.	4
		d Rye.	5

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.
23. Beshtalp, P., Ni Wot. Wheat.	1	55. Goss, J. W., Hygiene. Wheat.
24. Bishop, A. J., Monument.		56. Green, Chas., Sterling. Corn.
a Oats.	8	57. Green, C. K., Sterling. Barley.
b Barley.	4	58. Green, O. C., Beulah. Corn.
25. Blake, Brqs, Powell. Wheat.	1	59. Griffith, Rocky Ford. Wheat.
26. Brooks, L. T., Elizabeth. Oats.	3	60. Griswold, C., Sterling. Corn.
27. Brown, Peter, Greeley. Wheat.	1	61. Hamilton, H. W., Alamosa.
28. Burkdoll, N. E., Monta Vista. Wheat.	1	a Wheat.
		b Oats.
29. Calkins, C. C., Longmont. Wheat.	1	c Barley.
30. Campbell, L. M., Las Animas.		62. Hensley, C., Durango. Wheat.
a Wheat.	1	63. Hervison, H., Rocky Ford. Corn.
b Barley.	4	64. Higgin, J. H., Plateau. Oats.
31. Cobney, J., Sterling. Corn.	2	65. Hixon, N. B., Montrose. Oats.
32. Coe, J. P., Stonewall. Wheat.	1	66. Hooser, D. T., Rocky Ford. Oats.
33. Colorado Agricultural College, Denver.		67. Housel, P. M., Boulder. Wheat.
a Grasses. (75 varieties.)	8	68. Hyer, A. H., Rocky Ford. Corn.
b Forage plants. (28 varieties.)	9	69. Imes, J. B., Montrose. Wheat.
34. Colorado State Commission.		70. Johnson, J. B., Grand Junction.
a Grasses. (60 varieties.)	8	a Wheat.
b Forage plants. (20 varieties.)	9	b Oats.
35. Colorado V. Land Co., Monta Vista.		c Barley.
Wheat.	1	71. Jones, C. B., Lamar. Wheat.
36. Crosley, J. H., Las Animas. Wheat.	1	72. Jones, J. B., Montrose. Wheat.
37. Crowley, J. H., Rocky Ford.		73. Jones, T. C., Lamar. Wheat.
a Wheat.	1	74. Jensen, H. H., Grand Junction.
b Corn.	2	a Wheat.
c Oats.	3	b Oats.
d Barley.	4	75. Johnson, G., Sterling. Corn.
38. Cushin, A. C., Montrose. Oats.	3	76. Kain, J. C., Rocky Ford. Corn.
39. Divide Station, Experiment.		77. Keifer, L., Fruita. Wheat.
a Wheat.	1	78. Kelly, W. S., Montrose. Wheat.
b Corn.	2	79. Kliffed, A. W., Beulah. Wheat.
c Rye.	5	80. Klott, J. R., Las Animas. Barley.
40. Doepke, F. A., Castle Rock.		81. Koen, F. B., Lamar.
a Corn.	2	a Oats.
b Oats.	3	b Barley.
c Barley.	4	82. Laramie County, Colorado. Corn.
d Rye.	5	83. Leach, Frank, Grand Junction.
41. Donaldson, Theo., Denver. Corn.	2	a Oats.
42. Donaldson, L., Denver. Corn.	2	b Barley.
43. Donohue, R. A., Sterling.		84. Leatham, D., Lamar. Wheat.
a Wheat.	1	85. Leonard, E., Montrose. Wheat.
b Oats.	3	86. Lewis, Robt., Monta Vista.
44. Dulmaine, J. E., Grand Junction.		a Wheat.
Wheat.	1	b Oats.
45. Dulmane, J. E., Whitewater. Wheat.	1	87. Lynch, P. S., Lamar. Oats.
46. Dyer, W. A., Rocky Ford. Corn.	2	88. Manning, Mrs., Rocky Ford. Oats.
47. Eaton, G. W., Sterling. Corn.	2	89. McClelland, J. S., Fort Collins.
48. Elbert County, Colorado. Corn.	2	a Wheat.
49. Ellison, J. B., Grand Junction. Wheat.	1	b Oats.
50. El Paso County, Colorado. Corn.	2	c Barley.
51. Endsley, H. A., Montrose. Oats.	3	90. McConnell, J., Sterling. Wheat.
52. Eperson, J. H., Durango. Oats.	3	91. McDonnell, Phil., Powell.
53. Fife, P., Sterling.		a Oats.
a Wheat.	1	b Barley.
b Oats.	3	92. McVay, C., Lamar.
c Rye.	5	a Wheat.
54. Gordon, E., Lamar. Wheat.	1	b Oats.

Cereals, Grasses and Forage Plants, Sugars.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
93. McVay, F. M., Las Animas.		125. Sellers, Frank, Beulah. Oats.	3
a Wheat.	1	126. Sherman, J. L., Sterling. Corn.	2
b Oats.	8	127. Silthames, Geo., Sterling. Wheat.	1
94. Meaker, James, Evans. Barley.	4	128. Sinter, E. F., Ft. Collins. Barley.	4
95. Marshall, J. B., Denver.		129. Smith, J. B., Hygiene. Wheat.	1
a Wheat.	1	130. Smith, John, Sterling. Corn.	2
b Oats.	8	131. Smos, Geo., Stanford. Wheat.	1
c Barley.	4	132. Steel & Malone, Rocky Ford.	
d Millet.	9	a Wheat.	1
96. Miner, J. R., Windsor. Wheat.	1	b Corn.	2
97. Monells, P. B., Montrose.		c Oats.	3
a Wheat.	1	133. Stevens, H. A., Longmont. Wheat.	1
b Oats.	3	134. Stevens, H. S., Hygiene. Wheat.	1
98. Monnell, E. B., Montrose. Wheat.	1	135. Stevens, J. D., Hill Top. Millet.	8
99. Moore, D. O., Montrose. Wheat.	1	136. Stevenson, Jesse, Lamar. Wheat.	1
100. Moore, J. N., Montrose. Wheat.	1	137. Stokes, S. C., Greeley. Corn.	
101. Moore, J. W., Montrose. Oats.	3	138. Story, Andrew, Stonewall. Oats.	3
102. Mye, J. H., Montrose. Oats.	3	139. Styhers, H. A., Canfield. Wheat.	1
103. Osborn, J., Montrose. Wheat.	1	140. Swinbeck, H., Monument. Oats.	3
104. Parashak, M., Hygiene. Wheat.	1	141. Sylvester & Son, Monta Vista.	
105. Parmeter, M. B., Lamar.		a Wheat.	1
a Wheat.	1	b Corn.	2
b Oats.	3	142. Taylor, G. W., Rocky Ford. Corn.	2
c Barley.	4	143. Tetsell, N. E., Sterling. Oats.	3
d Rye.	5	144. Thompson, J. W., Evans. Rye.	5
106. Parsons, A., Highland Lake.		145. Tinson, S. R., Hill Top.	
a Oats.	3	a Wheat.	1
b Barley.	4	b Corn.	2
107. Patterson, R. J., Sterling.		c Corn.	4
a Wheat.	1	146. Tracy, D. L., Ni Wot. Wheat.	1
b Oats.	3	147. Travis, D. C., San Isabel.	
c Barley.	4	a Wheat.	1
108. Perkins, G. M., Hygiene. Wheat.	1	b Oats.	3
109. Pittsell, W. E., Sterling. Wheat.	1	c Barley.	4
110. Pollock, S. R., Rocky Ford. Oats.	3	147a. Travis, P. A., Saguache. Wheat.	1
111. Pound, C. A., Monta Vista.		148. Trew, C., Durago. Oats.	3
a Wheat.	1	149. Trew, E. S., Boulder. Oats.	3
b Oats.	3	150. Trew, R. S., Highland Lake. Bar-	
c Barley.	4	ley.	4
112. Pound, C. S., Monta Vista.		151. Vogtel & Huffman, Lamar. Bar-	
a Wheat.	1	ley.	4
b Barley.	4	152. Vorell, Ben, Monument. Oats.	3
113. Ramsey, Allen, Greeley.		153. Walling, J. H., Whitewater. Oats.	3
a Wheat.	1	154. Walsh, W. H., Weston. Oats.	8
b Oats.	3	154a. Warren, Mrs., Greeley, Weld Co.	
c Barley.	4	Wheat.	1
d Rye.	5	155. Weston, S. A., Weston. Wheat.	1
114. Ramsey, J. M., Sterling. Corn.	2	156. Wheeland, C. G., Sterling. Corn.	2
115. Reves Bros., Evans. Barley.	4	157. Williams Bros., Lamar. Wheat.	1
116. Rivers, R. B., Montrose. Oats.	3	158. Williams, J. D., Fruita. Oats.	8
117. Roberts, D. C., Rocky Ford. Wheat.	1	159. Wise Bros., Canfield. Wheat.	1
118. Royer, J. H., Sterling. Corn.	2	160. Wise, J. O. V., Canfield. Wheat.	1
119. Russell, Mrs. R. D., Stonewall.		161. Wycle, J. P., Rocky Ford. Corn.	2
Wheat.	1	162. Zitzell, M. E., Sterling. Oats.	8
120. Schueman, F., Beulah. Wheat.	1	163. Zilimmer, W., Montrose. Wheat.	1
121. Scofield, D. N., Canfield. Wheat.	1		
122. Scofield, L. M., Canfield. Wheat.	1		
123. Scofield, E. N., Ni Wot. Wheat.	1		
124. Sease, J. J., Beulah. Oats.	3		

GROUP 8.

164. Kiowa County.	
a Sugar cane.	17
b Sorghum.	24

## Products of the Farm, Animal and Vegetable Fibres.

GROUP 5.			Exhibit
Exhibit No.		Class'n No.	No.
165.	Colorado State Commission. Broom corn.	32	169. Colorado State Commission, Flax.
166.	Kiowa County. Broom corn and Egyptian corn.	32	170. Douglas County. Flax.
GROUP 9.			171. Pound, C. A., Monte Vista. Flax.
167.	Berry, F. M. Flax.	59	172. Pueblo County. Flax.
168.	Boulder County. Flax.	59	173. Ramsey, Allen, Greeley. Flax.
			174. Rio Grande County. Flax.
			175. Stevens, J. D., Hill Top. Flax.
			176. Weld County. Flax.

## CONNECTICUT.

## LOCATION—SEC. D.—S. W. QUARTER.

## Tobacco.

GROUP 8.			Exhibit
Exhibit No.		Class'n No.	No.
1.	Abbe, A. C., South Windsor. Havana seed leaf tobacco.	48	18. Bradley, James, South Windsor. vana broad leaf tobacco.
2.	Alford, H. W., Poquonock. Havana seed leaf tobacco.	48	19. Brown, Eugene, Poquonock. Havana seed leaf tobacco.
3.	Amstead, Joseph, Windsor Locks. Havana seed leaf tobacco.	48	20. Brown, J. M., Poquonock. Havana seed leaf tobacco.
4.	Andross, A. B., South Windsor. Havana broad leaf tobacco.	48	21. Burbank, W. E., Suffield. Havana seed leaf tobacco.
5.	Andross, W. T., East Hartford. Havana broad leaf tobacco.	48	22. Butler, H., Weathersfield. Havana broad leaf tobacco.
6.	Austin, C. L., West Suffield. Havana seed leaf tobacco.	48	23. Button, A. A., Suffield. Havana leaf tobacco.
7.	Austin, Edward, Suffield. Havana seed leaf tobacco.	48	24. Cadwell, Martin, Weathersfield. vana broad leaf tobacco
8.	Austin, H. H., Suffield. Havana seed leaf tobacco.	48	25. Carl, Jacob, Hatfield, Mass. Havana seed leaf tobacco.
9.	Brancroft, George W., Hillstown. Havana broad leaf tobacco.	48	26. Case, C. P., Simsbury. Havana seed leaf tobacco.
10.	Bantle, Julius, Glastonbury. Havana seed leaf tobacco.	48	27. Case, D. C., West Suffield. Havana seed leaf tobacco.
11.	Barnard, Jay, Simsbury. Havana seed leaf tobacco.	48	28. Case, G. B., Canton. Havana seed leaf tobacco.
12.	Barnes, A. W., Poquonock. Havana seed leaf tobacco.	48	29. Case, R. D., Rainbow. Havana seed leaf tobacco.
13.	Barnes, G. W., Windsor. Havana seed leaf tobacco.	48	30. Chidsey, C. H., Canton. Havana seed leaf tobacco.
14.	Bartlett, Joseph L., Simsbury. Havana seed leaf tobacco.	48	31. Clark Bros., Poquonock. Havana seed leaf tobacco.
15.	Bates & Stowell, East Granby. Havana seed leaf tobacco.	48	32. Clark, Charles O. C., Windsor. Havana seed leaf tobacco.
16.	Bidwell, A. S., East Hartford. Havana broad leaf tobacco.	48	33. Clark, E. S., Windsor. Havana seed leaf tobacco.
17.	Brace, J. M. G., West Hartford. Havana broad leaf tobacco.	48	34. Clark, E. S. & H., Hartford. Havana seed leaf tobacco.

## Tobacco.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
55. Clark, L. P., Son, Poquonock. Havana seed leaf tobacco.	48	64. Haskins, J. O., Suffield. Havana seed leaf tobacco.	48
56. Codcar, G. A., Canton. Havana seed leaf tobacco.	48	65. Hathaway, H. L., Suffield. Havana seed leaf tobacco.	48
57. Copley, Horace G., West Suffield. Havana seed leaf tobacco.	48	66. Hathaway, H. S., Suffield. Havana seed leaf tobacco.	48
58. Corcy, C. A., Suffield. Havana seed leaf tobacco.	48	67. Hathaway, T. B., Windsor. Havana seed leaf tobacco.	48
59. Dickenson, E. D., Glastonbury. Havana broad leaf tobacco.	48	68. Hay, John, & Co., Hartford. Havana seed leaf tobacco.	48
60. Dubon, J. A., Windsor. Havana seed leaf tobacco.	48	69. Helm, John, South Windsor. Havana broad leaf tobacco.	48
61. Dyer, D. F., Canton. Havana seed leaf tobacco.	48	70. Hemmenway, H. R. & E., Suffield. Havana seed leaf tobacco.	48
62. Easton, A. J., Suffield. Havana seed leaf tobacco.	48	71. Higgins, S. A. D., Glastonbury. Havana broad leaf tobacco.	48
63. Eggert, Wm., & Co., Bloomfield. Havana seed leaf tobacco.	48	72. Holcomb, A. E., Poquonock. Havana seed leaf tobacco.	48
64. Ellsworth, H. H., Windsor. Havana seed leaf tobacco.	48	73. Holcomb, Norris, Bloomfield. Havana seed leaf tobacco.	48
65. Ellsworth, L. S., Simsbury. Havana seed leaf tobacco.	48	74. Holman, Henry, South Windsor. Havana broad leaf tobacco.	48
66. Frisbie, M. W., Southington. Havana seed leaf tobacco.	48	75. House, A. H., Poquonock. Havana seed leaf tobacco.	48
67. Frye, H. S., Poquonock. Havana seed leaf tobacco.	48	76. House & Griswold. Havana seed leaf tobacco.	48
68. Fuller, E. A. & W. F., Hartford. Havana broad leaf tobacco.	48	77. Hubbard, Wm. G., Bloomfield. Havana seed leaf tobacco.	48
69. Fuller, Jerome E., Poquonock. Havana seed leaf tobacco.	48	78. Humphrey, W. G., Canton. Havana seed leaf tobacco.	48
70. Gilligan, J., West Suffield. Havana seed leaf tobacco.	48	79. Hunting, W. L., East Hartford. Havana seed leaf tobacco.	48
71. Graves, A. N., Suffield. Havana seed leaf tobacco.	48	80. Jones Bros., South Windsor. Havana broad and seed leaf tobacco.	48
72. Griswold, C. A., West Hartford. Havana broad leaf tobacco.	48	81. Judson, E. A., East Hartford. Havana broad leaf tobacco.	48
73. Griswold, C. S., & Son, West Hartford. Havana broad leaf tobacco.	48	82. Kent, M. H., Suffield. Havana seed leaf tobacco.	48
74. Griswold, H., & Son, Poquonock. Havana seed leaf tobacco.	48	83. King, Burton H., West Suffield. Havana seed leaf tobacco.	48
75. Griswold, S. O., Poquonock. Havana seed leaf tobacco.	48	84. King, Daniel J., Suffield. Havana seed leaf tobacco.	48
76. Haas, L. B., Hartford. Havana broad and seed leaf tobacco.	48	85. Knox, H. H., West Suffield. Havana seed leaf tobacco.	48
77. Hackett, Michael, Wapping. Havana seed leaf tobacco.	48	86. Lamberton, W. J., Poquonock. Havana seed leaf tobacco.	48
78. Hale, Edward, East Hartford. Havana broad leaf tobacco.	48	87. Loughton, F. B. M., Bloomfield. Havana seed leaf tobacco.	48
79. Halladay, Edward, Suffield. Havana seed leaf tobacco.	48	88. Lothrop, H. J., Suffield. Havana seed leaf tobacco.	48
80. Hamilton, F. A., Warehouse Point. Havana seed leaf tobacco.	48	89. Marcy, T. K., Windsor. Havana seed leaf tobacco.	48
81. Hamlin, F. C., Southington. Havana seed leaf tobacco.	48	90. Merriman, J. H., Southington. Havana seed leaf tobacco.	48
82. Haskins, Charles E., Suffield. Havana seed leaf tobacco.	48	91. Morse, J. W., Southington. Havana seed leaf tobacco.	48
83. Haskins, E. A. & H., Simsbury. Havana seed leaf tobacco.	48	92. Norton, G., Bristol. Havana seed leaf tobacco.	48

## Tobacco.

Exhibit No.	Class'n No.	Exhibit No.
93. Parker, J. P., Jr., Windsor. Havana	48	116. Stevens, Samuel J., Glasto
seed leaf tobacco.		Havana broad leaf tobacco.
94. Phelps, Clinton; East Granby. Ha-	48	117. Stiles, W. L., West Suffield. H
vana seed leaf tobacco.		seed leaf tobacco.
95. Phelps, E. N., Windsor. Havana	48	118. St. John, Newton, Simsbury. H
seed leaf tobacco.		seed leaf tobacco.
96. Pinney, Wm. S., Suffield. Havana	48	119. Sykes, Willard C., Suffield. H
seed leaf tobacco.		seed leaf tobacco.
97. Pitcher & Phillips, Suffield. Havana	48	120. Talcott, C. H., Glastonbury. H
seed leaf tobacco.		broad leaf tobacco.
98. Pomeroy, A., Suffield. Havana seed	48	121. Talcott, Lucius, Glastonbury. H
leaf tobacco.		broad leaf tobacco.
99. Pratt, L. C., Greenfield, Mass. Ha-	48	122. Thrall Brothers, Windsor. H
vana seed leaf tobacco.		seed leaf tobacco.
100. Remington, George L., Suffield.	48	123. Thrall, Edwin F., Windsor. H
Havana seed leaf tobacco.		seed leaf tobacco.
101. Rhodes, C. A., Glastonbury. Havana	48	124. Thrall, H. H., Poquonock. H
seed leaf tobacco.		seed leaf tobacco.
102. Ripley, E. B., South Windsor. Ha-	48	125. Thrall, Willard, Poquonock. H
vana seed leaf tobacco.		seed leaf tobacco.
103. Rose, Henry M., West Suffield.	48	126. Turner, B. F., Glastonbury. H
Havana seed leaf tobacco.		broad leaf tobacco.
104. Rose, O. C., West Suffield. Havana	48	127. Udo, H., Suffield. Havana seed
seed leaf tobacco.		tobacco.
105. Rowe, Pat., East Hartford. Havana	48	128. Viets, A. A., Bloomfield. Ha
broad leaf tobacco.		seed leaf tobacco.
106. Scott, Fred A., Suffield. Havana	48	129. Warren, Francis N., West Suf
seed leaf tobacco.		Havana seed leaf tobacco.
107. Scott, Hugh, Suffield. Havana seed	48	130. Warren, Fred, East Hartford.
leaf tobacco.		vana seed leaf tobacco.
108. Sheldon, Chas. C., West Suffield.	48	131. Warren, George L., West Suf
Havana seed leaf tobacco.		Havana seed leaf tobacco.
109. Smith, Aaron, & Bro., Warehouse	48	132. Welles, Fred, Glastonbury. Hav
Point. Havana seed leaf tobacco.		broad leaf tobacco.
110. Smith, D. J., Southington. Havana	48	133. Welles, H. T., New Britain. Hav
seed leaf tobacco.		broad leaf tobacco.
111. Smith, James, Suffield. Havana seed	48	134. Whaples, H., South Windsor.
leaf tobacco.		vana broad leaf tobacco.
112. Sission, Giles A., Canton. Havana	48	135. White, E. N., Canton Centre.
seed leaf tobacco.		vana seed leaf tobacco.
113. Soper, W. A., Suffield. Havana seed	48	136. Woodford, C. R., Avon. Hav
leaf tobacco.		seed leaf tobacco.
114. Spencer, Jerome P., Suffield. Havana	48	137. Wright, H. K., Suffield. Hav
seed leaf tobacco.		seed leaf tobacco.
115. Spencer, J. L., Suffield. Havana seed	48	138. Zweygart, Henry J., Hartford. I
leaf tobacco.		vana broad leaf tobacco.

# FLORIDA.

LOCATION-SEC. C.-S. E. QUARTER.

Cereals, Starch, Sugars, Root Crops, Vegetable Substances, Fibres, Miscellaneous.

## GROUP 1.

Exhibit No.	Class'n No.
1. Okeechobee Drainage Co., Kissimmee. Rice and rice products.	6
2. Chandler, A. G., Chipley.	
1 Wheat.	1
2 Oats.	3
3 Rye.	5
4 Rice.	6
3. Diaston, Hamilton, Jacksonville. Rice.	6
4. Dunne, J. J., Jacksonville. Rice.	6
5. Jackson, Arthur C., Jacksonville. Rice.	6
6. Kreamer, J. Z., Jacksonville. Rice.	6
7. Rose, R. E., Jacksonville. Rice.	6
8. Wiselogle, Louis, Chipley.	
1 Rice.	6
2 Corn.	2

## GROUP 2.

9. Okeechobee Drainage Co., Kissimmee. Cassava products, starch, tapioca, glucose and flour.	16
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## GROUP 3.

10. Okeechobee Drainage Co., Kissimmee.	
1 Sugar cane.	17
2 Cane sugar.	18
11. Diaston, Hamilton, Jacksonville.	
1 Sugar and syrup.	18
12. Dunne, J. J., Jacksonville. Sugar and syrup.	18
13. Jackson, Arthur C., Jacksonville. Sugar and syrup.	18
14. Kreamer, J. Z., Jacksonville. Sugar and syrup.	18
15. Rose, R. E., Jacksonville. Sugar and syrup.	18

Exhibit No.	Class'n No.
16. Wiselogle, Louis, Chipley.	
1 Sugar cane.	17
2 Cane syrup.	18

## GROUP 4.

17. Wiselogle, Louis, Chipley. Potatoes and sweet potatoes.	28
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## GROUP 5.

18. Wiselogle, Louis, Chipley. Melons.	32
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## GROUP 8.

19. Chandler, A. G., Chipley. Tobacco.	48
20. Okeechobee Drainage Co., Kissimmee. Tobacco.	48
21. Zoody, G. B., Lake City. Tobacco.	48

## GROUP 9.

22. Moseley, Mrs. J. D., Kissimmee. Palmetto tapestry.	59
23. Okeechobee Drainage Co., Kissimmee. Sissal plant and fiber, palmetto fiber and bamboo.	59

## GROUP 17.

25. Diaston, Hamilton, Jacksonville. Soils.	93
26. Dunne, J. J., Jacksonville. Soils.	93
27. Jackson, Arthur C., Jacksonville. Soils.	93
28. Okeechobee Drainage Co., Kissimmee. Soils.	93
29. Kreamer, J. Z., Jacksonville. Soils.	93
30. Rose, R. E., Jacksonville. Soils.	93

# IDAHO.

IDAHO'S EXHIBIT WAS UNFORTUNATELY BURNED IN TRANSIT.

## ILLINOIS.

## LOCATION.—SEC. C.—N. W. QUARTER.

## Cereals, Grasses and Forage Plants.

GROUP 1.					
Exhibit No.		Class'n No.	Exhibit No.		
1.	Banscher, Louis, Freeport.	Corn. 2		g Grasses.	
2.	Boatman, J. W., Carlinville.	Corn. 2		h Forage plants.	
3.	Bone, F. E., Tallula.		11.	Childs, Edward, El Paso.	Corn
	a Wheat.	1	12.	Cline, W. M., Rockford.	Corn
	b Corn.	2	13.	Coffin, Horace, Rockford.	
	c Oats.	3		a Corn.	
	d Barley.	4		b Rye.	
	e Rye.	5	14.	Conlon, John, Taylor.	Oats.
	f Buckwheat.	7	15.	Cribbins, Thos., El Paso.	Corn
	g Grasses.	8	16.	Crowell, L. H., Rockford.	
	h Forage plants.	9		a Corn.	
4.	Boner, Joseph, Panola.	Corn. 2		b Buckwheat.	
5.	Brumback, David, Danforth.			c Grasses.	
	a Wheat.	1	17.	Cutler, A. E., Rockford.	Corn.
	b Corn.	2	18.	De Freese, Nicholas, Panola.	C
	c Oats.	3	19.	Edmonds, H. P., Taylor.	
	d Barley.	4		a Wheat.	
	e Rye.	5		b Corn.	
	f Buckwheat.	7		c Oats.	
	g Grasses.	8		d Barley.	
	h Forage plants.	9		e Rye.	
6.	Burdick, W. A., Winnebago.	Corn. 2		f Buckwheat.	
7.	Burdick, J. L., Rockford.			g Grasses.	
	a Wheat.	1		h Forage plants.	
	b Corn.	2	20.	Edmonds, J. W., Lighthouse.	
	c Oats.	3		a Wheat.	
	d Rye.	5		b Corn.	
	e Buckwheat.	7		c Grass.	
	f Grasses.	8	21.	Edmonds, Philip, El Paso.	Corn
	g Clover, etc.	9	22.	Emright, Kim., El Paso.	Corn.
8.	Burrows, Wm., Panola.	Corn. 2	23.	Ernest, A., & Co., Farmingdale.	
9.	Butler, J. J., Eldorado.			a Wheat.	
	a Wheat.	1		b Corn.	
	b Corn.	2		c Oats.	
	c Oats.	3		d Barley.	
	d Barley.	4		e Rye.	
	e Rye.	5		f Buckwheat.	
	f Buckwheat.	7		g Grasses.	
	g Grasses.	8		h Forage plants.	
	h Forage plants.	9	24.	Fraipont, Walter, Rockford.	Corn
10.	Chester, T. P., Champaign.		25.	Fursman, E. S., El Paso.	
	a Wheat.	1		a Wheat.	
	b Corn.	2		b Corn.	
	c Oats.	3		c Oats.	
	d Barley.	4		d Barley.	
	e Rye.	5		e Rye.	
	f Buckwheat.	7		f Buckwheat.	
				g Grasses.	
				h Forage plants.	

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Gardner, June, Rockford. Corn.	2	d Rye.	5
2. Graham, Geo. W., Carbondale.		e Buckwheat.	7
Wheat.	1	f Grasses.	8
3. Grubrick, William, El Paso. Corn.	2	g Clover.	9
4. Haas, Jos., El Paso. Corn.	2	45. Klug, John, Panola. Corn.	2
5. Hay, Leon, Kankakee.		46. Klug, William, Panola. Corn.	2
a Wheat.	1	47. Knox County Agricultural Board,	
b Corn.	2	Knoxville.	
c Oats.	3	a Wheat.	1
d Rye.	5	b Corn.	2
e Buckwheat.	7	c Oats.	3
f Grasses.	8	d Rye.	5
g Forage plants.	9	e Buckwheat.	7
6. Helms & Ripley, Belleville.		f Grasses.	8
a Wheat.	1	g Clover.	9
b Corn.	2	48. Krow, Jas., Woodstock. Corn.	2
c Oats.	3	49. La Rosh, S. D., Pekin.	
d Barley.	4	a Wheat.	1
e Rye.	5	b Corn.	2
f Buckwheat.	7	c Oats.	3
g Grasses.	8	d Barley.	4
h Forage plants.	9	e Rye.	5
7. Herr, Mart., Panola. Corn.	2	f Buckwheat.	7
8. Hill, Daniel, El Paso. Corn.	2	g Grasses.	8
9. Hodge, W. H., Morris.		h Forage plants.	9
a Wheat.	1	50. McHenry County Agricultural Board,	
b Corn.	2	Woodstock. Corn.	2
c Oats.	3	51. McHenry, J. W., Carmi.	
d Barley.	4	a Wheat.	1
e Rye.	5	b Corn.	2
f Buckwheat.	7	c Oats.	3
g Grasses.	8	d Rye.	5
h Forage plants.	9	e Forage plants.	9
10. Hodgson, Jesse, Panola. Corn.	2	52. McOmber, H. L., El Paso. Corn.	2
11. Hooker, M. A., McLeansboro.		53. March, F. W., Daysville. Corn.	2
a Wheat.	1	54. Massac County Fruit Growers' Ass'n,	
b Corn.	2	Metropolis.	
c Oats.	3	a Wheat.	1
d Rye.	5	b Corn.	2
e Buckwheat.	7	c Oats.	3
f Grasses.	8	d Rye.	5
g Forage plants.	9	e Buckwheat.	7
12. Hopps, H. A., Panola. Corn.	2	f Grasses.	8
13. Horner, George, Panola. Corn.	2	g Forage plants.	9
14. Hostetter, A. B., Mt. Carroll.		55. Millard, Benjamin, Rockford.	
a Wheat.	1	a Wheat.	1
b Corn.	3	b Oats.	3
c Oats.	5	56. Miller, C. E., Panola. Corn.	2
d Barley.	4	57. Murray, Ed., Daysville. Corn.	2
e Rye.	5	58. Nash, J. E., Princeton.	
f Grasses.	8	a Wheat.	1
15. Eard, Thos., El Paso. Corn.	2	b Corn.	2
16. Irving, J. N., Arcola. Oats.	3	c Oats.	3
17. Johns, Wm., Rockford. Corn.	2	d Rye.	5
18. Johnson, Andy, El Paso. Corn.	2	e Buckwheat.	7
19. Kimmel, W. G., Jonesboro.		f Grasses.	8
a Wheat.	1	g Forage plants.	9
b Corn.	2	55. Millard, Benjamin, Rockford.	
c Oats.	3	a Wheat.	1
		b Oats.	3
		56. Miller, C. E., Panola. Corn.	2
		57. Murray, Ed., Daysville. Corn.	2
		58. Nash, J. E., Princeton.	
		a Wheat.	1
		b Corn.	2
		c Oats.	3
		d Barley.	4
		e Rye.	5
		f Buckwheat.	7
		g Grasses.	8
		h Forage plants.	9

## Cereals, Grasses and Forage Plants, Sugars.

Exhibit No.	Class No.	Exhibit No.	
59. Neeper, A., Kinmundy.		81. University of Illinois, Champaign.	
a Wheat.	1	a Wheat.	
b Corn.	2	b Corn.	
c Oats.	3	c Oats.	
d Rye.	5	d Barley.	
e Buckwheat.	7	e Rye.	
f Grasses.	8	f Buckwheat.	
g Forage plants.	9	g Grasses.	
60. Nethercott, Robert, El Paso. Corn.	2	h Forage plants.	
61. Patton, John, Panola. Corn.	2	82. Vaubel, Adam, Peoria.	
62. Pinkham, George, Panola. Corn.	2	a Wheat.	
63. Pierpont, Theron, Rockford. Corn.	2	b Corn.	
64. Pleasant, James, El Paso. Corn.	2	c Oats.	
65. Rice, Wm., Rockford. Grasses.	8	d Barley.	
66. Russell, A. E., Shattuc.		e Rye.	
a Wheat.	1	f Buckwheat.	
b Corn.	2	g Grasses.	
c Oats.	3	h Forage plants.	
d Rye.	5	83. Weedman, T. S., Farmer City.	
e Buckwheat.	7	a Wheat.	
f Grasses.	8	b Corn.	
g Forage plants.	9	c Oats.	
67. Sawyer, W. J., Belvidere.		d Barley.	
a Corn.	2	e Rye.	
b Grass.	8	f Buckwheat.	
68. Schofield, John, El Paso. Corn.	2	g Grasses.	
69. Seiler, J. E., Mt. Carmel.		h Forage plants.	
a Wheat.	1	84. Whitten, Alvert, Bismarck. Co.	
b Corn.	2	85. Wilcox, John, Rockford.	
c Oats.	3	a Wheat.	
d Rye.	5	b Oats.	
e Grasses.	8	86. Wolf, John, Canton. Grasses.	
f Forage plants.	9	87. Wyman, Byron F., Sycamore.	
70. Shedden, Robert, Pingree Grove.		Grasses.	
a Wheat.	1	GROUP 3.	
b Corn.	2	88. Bone, F. E., Tallula. Sorghum.	
c Oats.	3	89. Burdick, J. L., Rockford. Sorghum.	
d Barley.	4	90. Butler, J. J., Eldorado. Sorghum.	
e Rye.	5	91. Confectioners' and Bakers' Su	
f Buckwheat.	7	Co., Chicago. Confectionery.	
g Grasses.	8	92. Furman, E. S., El Paso.	
h Forage plants.	9	a Sugar cane.	
71. Sheen, Geo., El Paso. Corn.	2	b Sorghum.	
72. Sibley, C. W., Pana.		93. Hay, Leon, Kankakee. Sorghum.	
a Wheat.	1	94. Helms & Ripley, Belleville.	
b Corn.	2	a Sugar cane.	
c Oats.	3	b Sorghum.	
d Rye.	5	95. Hooker, M. A., McLeansboro. S	
e Buckwheat.	7	ghum.	
f Grasses.	8	96. Huff, Jacob, Grand Detour. Sorghum.	
g Forage plants.	9	97. Kimmel, W. G., Jonesboro. Su	
73. Stephenson, C. M., Secor. Corn.	2	cane.	
74. Stevens, Geo., Rockford. Grasses.	8	98. La Rosh, S. D., Pekin. Sorghum.	
75. Stevens, Wm., Daysville. Barley.	4	99. McHenry, J. W., Carmi.	
76. Stitt, S. S., El Paso. Corn.	2	a Sugar cane.	
77. Stonebraker, Mr., Panola. Corn.	2	b Sorghum.	
78. Storrs, John, Rockford. Oats.	3	100. Masac County Fruit Growers' Ass	
79. Stumbaugh, Levi, El Paso. Corn.	2	Metropolis. Sorghum.	
80. Swartz, James, El Paso. Corn.	2		

## Syrups, Potatoes, Tubers, Products of the Farm not Otherwise Classed.

Exhibit No.	Class'n No.
121. Nash, J. E., Princeton. Sorghum.	24
122. Neeper, A., Kimmunity. Sorghum.	24
123. Russell, A. E., Shattuc. Sorghum.	24
124. Shedden, Robert, Pingree Grove. Sugar cane.	17
125. Sibley, C. W., Pana. Sorghum.	24
126. University of Illinois, Champaign. Sorghum.	24
127. Weedman, T. S., Farmer City. Sorghum.	24

## GROUP 4.

128. Bone, F. E., Tallula.	28
a Potatoes.	28
b Sugar beets, mangel wurzels, etc.	29
c Turnips.	30
129. Brumback, David, Danforth. Potatoes, sweet potatoes, yams.	28
130. Burdick, J. L., Rockford.	28
a Potatoes.	28
b Beets.	28
c Turnips, carrots, beets.	30
131. Burdick, W. A., Winnebago.	28
a Potatoes.	28
b Sugar beets.	28
c Carrots, turnips, etc.	30
132. Butler, J. J., Eldorado. Potatoes.	28
133. Chester, T. P., Champaign.	28
a Potatoes, sweet potatoes, yams, etc.	28
b Sugar beets, mangel wurzels.	29
c Carrots, beets, turnips, etc.	30
134. Edmond, H. P., Taylor. Potatoes, sweet potatoes.	28
135. Ernest, A., & Co., Farmingdale.	28
a Potatoes, yams, etc.	28
b Mangel wurzels.	29
c Carrots, turnips, beets.	30
136. Fursman, E. S., El Paso.	28
a Potatoes.	28
b Mangel wurzels.	29
c Carrots, turnips, beets, etc.	30
137. Hay, Leon, Kankakee.	28
a Potatoes, sweet potatoes, yams, etc.	28
b Mangel wurzels.	29
138. Helms & Ripley, Belleville.	28
a Potatoes, sweet and Irish, yams, etc.	28
b Sugar beets and mangel wurzels.	29
c Carrots, turnips, beets, etc.	30
139. Hodge, W. H., Morris.	28
a Potatoes, sweet potatoes, yams, etc.	28
b Mangel wurzels.	29
c Carrots, turnips, beets, etc.	30
140. Hooker, M. A., McLeansboro. Potatoes, sweet potatoes, yams, etc.	28

Exhibit No.	Class'n No.
121. Kimmel, W. G., Jonesboro.	28
a Potatoes.	28
b Beets.	29
c Peanuts.	31
122. LaRosh, S. D., Pekin.	28
a Potatoes, sweet potatoes, yams, etc.	28
b Sugar beets, mangels.	29
c Carrots, turnips and beets.	30
123. Massac County Fruit Growers' Ass'n, Metropolis.	28
a Potatoes, sweet potatoes, yams.	28
b Mangel wurzels.	29
c Carrots, turnips, etc.	30
124. Nash, J. E., Princeton.	28
a Potatoes.	28
b Beets, mangel wurzels.	29
c Carrots and turnips.	30
125. Seiler, J. E., Mt. Carmel. Potatoes, sweet potatoes.	28
126. Sibley, C. W., Pana.	28
a Potatoes, sweet potatoes.	28
b Carrots, turnips, beets, artichokes.	30
127. University of Illinois, Champaign. Potatoes.	28
128. Vaubel, Adam, Peoria.	27
a Potatoes, sweet potatoes, yams.	27
b Mangel wurzels.	29
c Carrots, turnips and beets.	30
129. Weedman, T. S., Farmer City.	28
a Potatoes.	28
b Carrots, beets, turnips.	30

## GROUP 5.

130. Bone, F. E., Tallula. Broom corn.	32
131. Burdick, J. L., Rockford. Broom corn, pumpkins, squashes.	32
132. Butler, J. J., Eldorado. Broom corn.	32
133. Chester, T. P., Champaign. Pumpkins, peas, beans.	32
134. Edmonds, H. P., Taylor. Broom corn.	32
135. Fursman, E. S., El Paso. Broom corn, pumpkins, peas, beans, etc.	32
136. Helms & Ripley, Belleville. Broom corn.	32
137. Hooker, M. A., McLeansboro. Broom corn.	32
138. Huff, Jacob, Grand Detour. Broom corn.	32
139. Kimmel, W. G., Jonesboro. Squashes, beans, peas.	32
140. LaRosh, S. D., Pekin. Broom corn, pumpkins, squashes.	32
141. McHenry, J. W., Carmi. Broom corn.	32

## Broom Corn, Dairy and Dairy Products.

Exhibit No.	Class'n No.
142. Massac County Fruit Growers' Ass'n, Metropolis. Broom corn.	32
143. Neeper, A., Kinmundy. Broom corn.	32
144. Shedden, Robert, Pingree Grove. Broom corn.	32
145. Sibley, C. W., Pana. Broom corn.	32
146. University of Illinois, Champaign. Broom corn.	32
147. Weedman, T. S., Farmer City. Pumpkins, squashes.	32

## GROUP 7.

## Dairy Building.

201. Asay, James, Mt. Carroll. Butter.	42
202. Bacon, T., Wauconda. Butter.	42
203. Baer, H. H., Polo. Butter.	42
204. Ball Mound Creamery Co., Ball Mound. Butter.	42
205. Batavia Farmers' Association, Batavia. Butter.	42
206. Beardaley, Mrs. Thos., Prophets-town. Butter.	42
207. Beede, Mrs. Vena M., Chadwick. Butter.	42
208. Benson, Henry, Kempton. Butter.	42
209. Benson, John, Bement. Butter.	42
210. Beveridge, James H., Sandwich. Butter.	42
211. Blakeway, Miss Ada, Ridolt. Butter.	42
212. Blakeway, Mrs. Herbert, Ridolt. Butter.	42
213. Bliss, Geo. W., Pana. Butter.	42
214. Blount, Jay, Bryon. Butter.	42
216. Blow, N. C., Myrtle. Butter.	42
217. Boehmer, Henry, Wheeling. Butter.	42
218. Bortner, A. P., Bloomingdale. Butter.	42
219. Boyd, John, Elmhurst. Butter.	42
220. Brown, M. R., Winnebago. Butter.	42
221. Bumgarner, Mary L., Mt. Palatine. Butter.	42
222. Burlingame, James, Delavan. Butter.	42
223. Cantrall, Mrs. C. A., Illiopolis. Butter.	42
224. Carr, F. A., Sandwich. Butter.	42
225. Carr, G. S., Hawthorne. Butter.	42
226. Carr, J. W., Sheridan. Butter.	42
227. Carr, W. A., Somonauk. Butter.	42
228. Case, J. A., Earlville. Butter.	42
229. Casselberry, John, Mt. Carroll. Butter.	42

Exhibit No.	Class'n No.
230. Cedarville Creamery Co., Cedarville. Butter.	42
231. Chadwick, Edgar, Esmond. Butter.	42
232. Chapman, Pratt, Sugar Grove. Butter.	42
233. Clark, Mrs., Wauconda. Butter.	42
234. Clifford, A. B., Genoa. Butter.	42
235. Clifford's Factory, Genoa. Butter.	42
236. Colvin, Jefferson, Colvin Park. Butter.	42
237. Colvin, John, Kingston. Butter.	42
238. Cornell, C. W., Huntley. Butter.	42
239. County Line Creamery Co., Kaskaskia. Butter.	42
240. Dekalb Creamery, Dekalb. Butter.	42
241. De Muth, Anna, Toulon. Butter.	42
242. Dole, C. S., Crystal Lake. Butter.	42
243. Donnelly, Mrs. James, Lanark. Butter.	42
244. Edgell, F. W., Plainfield. Butter.	42
245. Edwardsville Creamery, Winnebago. Butter.	42
246. Essington, George, Kempton. Butter.	42
247. Faggert & Davis, Port Bryon. Butter.	42
248. Faskett, C. M., Ivanhoe. Butter.	42
249. Fillmer, B. A., Coal Valley. Butter.	42
250. Flagg Creamery Co., Flagg. Butter.	42
251. Flemming, Wm., Byron. Butter.	42
252. Fraley, A., Hampshire. Butter.	42
253. Fritz, William, Mt. Carroll. Butter.	42
254. Funston, John, Galena. Butter.	42
255. Good, F. E., Kewanee. Butter.	42
256. Good, Mrs. Frank, Kewanee. Butter.	42
257. Gorham, C. M., Rockfeller. Butter.	42
258. Gassman, Edward, Eleroy. Butter.	42
259. Green, James, Thomson. Butter.	42
260. Greenview Butter and Cheese Co., Greenview. Butter.	42
261. Hagerman, W. H., Naperville. Butter.	42
262. Hawthorne Bros., Richmond. Butter.	42
263. Heise, J. E., Barrington. Butter.	42
264. Hinckley Creamery, Hinckley. Butter.	42
265. Hunt, N., Rockefeller. Butter.	42
266. Johnson, Lovejoy, Stillman Valley. Butter.	42

## The Dairy and Dairy Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
267. Johnson, M. F., Plum River. Butter.	42	308. Perry, J. H., Genese. Butter.	42
268. Kaneville Factory, Kaneville. Butter.	42	309. Prentice, J. M., Paw Paw. Butter.	42
269. Keighia, D. B., Kempton. Butter.	42	310. Reed, George, Belvidere. Butter.	42
270. Kenyon, Geo., Mt. Carroll. Butter.	42	311. Reed, George, Herbert. Butter.	42
271. Knickerbocker, J. H., Hennepin. Butter.	42	312. Reid, Mrs. Marietta, Delavan. Butter.	42
272. Knickerbocker, Y. H., Hennepin. Cheese.	43	313. Richey, F. P., Somonauk. Butter.	42
273. Kruse, Wm., Roselle. Butter.	42	314. Richmond, C., Palatine. Butter.	42
274. Kuehl, E., Triumph. Butter.	42	315. Richmond, Wm., Waterman. Butter.	42
275. Lawrence, J. M., Sycamore. Butter.	42	316. Rock Spring Creamery Co., Geneva. Butter.	42
276. Lee Creamery, Lee. Butter.	42	317. Sanders, Wm. Springfield. Butter.	42
277. Little Rock Creamery, Little Rock. Butter.	42	318. Segar, J. W. Pecatoria. Butter.	42
278. Luce, O. J., Libertyville. Butter.	42	318a. Shabbona Creamery, Shabbona. Butter.	42
279. Maher, D. E., Baileyville. Butter.	42	319. Slick, Jerry, Lanark. Butter.	42
280. Malta Creamery, Malta. Butter.	42	320. Sloggett, John, Franklin Grove. Butter.	42
281. Marshall, J. H., Cordova. Butter.	42	321. Smith, H. K., Clear Creek. Butter.	42
282. Mather, Samuel, Naperville. Butter.	42	322. Smith, J. P., Freeburg. Butter.	42
283. Mayfield Creamery, Mayfield. Butter.	42	323. Smith, R. G., McHenry. Butter.	42
284. McCredie, Wm., Barrington. Butter.	42	324. Snyder, S., Shannon. Butter.	42
285. McDonnough, H. E., Sycamore. Butter.	42	325. Spicer, J. G., Edelstein. Butter.	42
286. McDonnough, W. H., Sycamore. Butter.	42	326. Stewart, Robert, Evanston. Butter.	42
287. McDonnough, S., Davis Junction. Butter.	42	327. St. John, Geo., Orangeville. Butter.	42
288. McGaw Bros., Chadwick. Butter.	42	328. Stockwell, F. S., Cherry Valley. Butter.	42
289. McMillan, C., Denver. Butter.	42	329. Sloggett, John H., Franklin Grove. Butter.	42
290. McMillan, C. M., Denver. Butter.	42	330. Stokes, William, Beechwood. Butter.	42
291. Middlehauff, A. H., Adeline. Butter.	42	331. Stoner, Geo., Carlton. Butter.	42
292. Moffett, Wm., Paw Paw. Butter.	42	332. Swaney, John, Clear Creek. Butter.	42
293. Molting, E., Troy Grove. Butter.	42	333. Taylor, W. G. Sparland. Butter.	42
294. Montgomery, R. J., Pre-emption. Butter.	42	334. Taylor, W. H., Stillman Valley. Butter.	42
295. Moody, Geo. H., Richardson. Butter.	42	335. Thistlewood, N. B., Beechwood. Butter.	42
296. Moser, Edgar, Galena. Butter.	42	336. Townsend, K. S., Shaw. Butter.	42
297. Mumert, Andrew, Astoria. Butter.	42	337. Vanse, E. W., & Son, Mattoon. Butter.	42
298. Murphy, R. R., Garden Plain. Butter.	42	338. Walden, W. E., Stillman Valley. Butter.	42
299. Nesbitt, R. J., Hanover. Butter.	42	339. Wallace, Roscoe, Fielding. Butter.	42
300. Newman, John, Elgin. Butter.	42	340. Warmsley, C. C., Polo. Butter.	42
301. Newman, John, Jr., Elgin. Butter.	42	341. Warmsley, J. W., Lily Lake. Butter.	42
302. Newman, Joseph, Elgin. Butter.	42	342. Wattle, Frank, East Wheatland. Butter.	42
303. Newman, Paul, Elgin. Butter.	42	343. Walden, W. E., Stillman Valley. Butter.	42
304. Newman, Wm., Elgin. Butter.	42		
305. Nolting, A., New Lebanon. Butter.	42		
306. Patrick, F. W., Marengo. Butter.	42		
307. Patrick, R. M., Marengo. Butter.	42		

## Dairy Products, Aromatic and Vegetable Substances, Fibres.

Exhibit No.		Class'n No.
344.	Welford, R. G., Red Bud. Butter.	42
345.	Weltzein, John, Huntley. Butter.	42
346.	Wilkening, Louis, Roselle. Butter.	42
347.	Williams, J. A., Henry. Butter.	42
348.	Woods, J. N., Mendon. Butter.	42
349.	Wright, F. M., Manteno. Butter.	42
350.	Younger, Alex, Afolkey. Butter.	42

## GROUP 8.

392.	Bone, F. E., Tallula. Tobacco.	48
393.	Brumback, David, Danforth. Peppers, etc.	47
394.	Burdick, J. L., Rockford. Peppers.	47
395.	Burdick, W. A., Winnebago. Tobacco.	48
396.	Chester, T. P., Champaign. Peppers.	47
	do Tobacco.	48
397.	Edmonds, H. P., Taylor. Peppers.	47
398.	Farsman, E. S., El Paso. Hops.	46
	do Peppers.	47
	do Tobacco.	48
399.	Helms & Ripley, Belleville. Tobacco.	48
400.	LaRosh, S. D., Pekin. Peppers, etc.	47
	do Tobacco.	48
401.	Kimmel, W. G., Jonesboro. Pepper.	47
	do Tobacco.	48
402.	McHenry, J. W., Carmi. Tobacco.	48
403.	Nash, J. E., Princeton. Hops.	46
	do Peppers.	47
	do Tobacco.	48

Exhibit No.	
404.	Neeper, A., Kinmundy. Tobacco.
405.	Russell, A. E., Shattuc. Tobacco.
406.	Sibley, C. W., Pana. Tobacco.
407.	Wendman, T. S., Farmer City. Hops.
	do Peppers.
	do Tobacco.

## GROUP 9.

408.	Bone, F. E., Tallula. Hemp.
409.	Brumback, David, Danforth. and flax.
410.	Burdick, J. L., Rockford. Flax.
411.	Chester, T. P., Champaign. and flax.
412.	Edmonds, H. P., Taylor. Hemp.
413.	Kimmel, W. G., Jonesboro. Cotton.
414.	La Rosh, S. D., Pekin. Hemp flax.
415.	Neeper, A., Kinmundy. Hemp.
416.	Shedden, Robert, Pingree. Hemp and flax.
417.	Weedman, T. S., Farmer Hemp.

Exhibits Classified in Other Departments but Installed in This.

## DEPARTMENT N.

## GROUP 19.

## Forestry, Forest Products.

418.	Hay, Leon, Kankakee. Sample wood.
419.	La Rosh, S. D., Pekin. Sample native woods.

## INDIANA.

## LOCATION—SEC. C.—N. W. QUARTER.

## Cereals, Grasses and Forage Plants.

GROUP 1.			Exhibit No.	Class'n No.	
1.	Armentrout, W. D., Crawfordsville.		34.	Ettinger, Geo. D., Bourbon.	
Wheat.		1	a	Oats.	3
2.	Barker, I. N., Thorntown.		b	Rye.	5
a	Corn.	2	c	Buckwheat.	7
b	Clover seed.	9	35.	Ettinger, Geo. D., Bourbon. Wheat.	1
3.	Bazner, John, Bunker Hill. Corn.	2	a	Wheat.	1
4.	Beach, E. S., Valparaiso. Corn.	2	b	Corn.	2
5.	Beers, Thomas, Hecla. Wheat.	1	c	Oats.	8
6.	Bennett, Harry, Franklin. Corn.	2	d	Orchard grass.	8
7.	Blair, John, Peru. Wheat.	1	e	Clover seed.	9
8.	Boyer, John, Thorntown. Corn.	2	37.	Fischer, Emory, Borden. Wheat.	1
9.	Bridges, B. F., Rockport. Corn.	2	38.	Gilmore, A. S., Greensburg. Wheat.	1
10.	Burk, Ellis, Crawfordsville.		39.	Goss, John, Bellmore.	
a	Oats.	3	a	Wheat.	1
b	Barley.	4	b	Oats.	8
11.	Cap, J. L., & Sons, Bicknell. Corn.	2	c	Barley.	4
12.	Clark, Joseph, Goodland. Corn.	2	d	Rye.	5
13.	Cloud, David, Thorntown. Corn.	2	e	Buckwheat.	7
14.	Colwell, S. N., Mt. Agr. Corn.	2	f	Clover seed.	9
15.	Connelly, W. A., Eel River. Corn.	2	40.	Gregg, W. P., Goodland. Corn.	2
16.	Cooper, B. F., Columbia City.		41.	Harper, Elijah, Oakland City. Corn.	2
Wheat.		1	42.	Hayden, Charles L., Otwell. Corn.	2
17.	Corey, James, Oakland City. Oats.	3	43.	Hayworth, James H., Georgetown.	
19.	Creager, Peter, Columbia City. Corn.	2	Oats.		3
20.	Culbertson, E. & C., Moorfield.		44.	Hodges, Mrs. Stella, Rockport.	
a	Barley.	4	Wheat.		1
b	Timothy.	8	45.	Hoff, Henry O., Ligonier. Oats.	3
c	Clover seed.	9	46.	Hughes, Austin, Newport. Corn.	2
21.	Curry, John, New Carlisle. Wheat.	1	47.	Indianapolis Hominy Mills, Indianap- olis. Grits.	11
22.	Davis, Joseph E., Marion. Corn.	2	48.	Key, J. P., Patoka. Corn.	2
23.	Decker, Geo., Columbia City. Oats.	3	49.	Kirminghoff, D., Angola. Wheat.	1
24.	Deller, A., Angola.		50.	Lee, Chas. S., Sugar Branch. Wheat.	1
a	Corn.	2	51.	Lenhard, Christopher, Poling. Corn.	2
b	Oats.	3	52.	Long, J. S., Salamonina. Wheat.	1
25.	Devericks, James A., La Fontaine.		53.	Lonton, O. P., Hillsdale. Wheat.	1
Timothy.		8	54.	Magill, A. L., Franklin. Timothy.	8
26.	Dickens, B. W., Marion. Wheat.	1	55.	Marvel, John, Indianapolis.	
27.	Dibble, Chas., Patriot.		a	Timothy and orchard grass.	8
a	Rye.	5	b	Clover seed.	9
b	Buckwheat.	7	56.	Maze, W. A., Sharpsville. Corn.	2
28.	Downing, Charles, Greenfield. Corn.	2	57.	McCreary, Albt., Markland. Oats.	8
29.	Downing, Geo. H., Crawfordsville.		58.	McCollough, Maxwell, Crawfordsville.	
Corn.		2	Corn.		
30.	Druliner, Quinby, Mill Creek. Oats.	3	59.	McGinley, Isaiah, Valparaiso. Corn.	
31.	Dungan, W. S., Franklin. Corn.	2	60.	Miller Ed Peru. Corn.	
32.	Edwards, Charles, Peru.				
a	Corn.	2			
b	Oats.	3			

## Cereals, Sugars, Farm Products, Dairy Products.

Exhibit No.	Class No.	Exhibit No.
61. Miller, Geo. W., West Lebanon.		100. Wildermarsh, Emanuel, Plain.
Wheat.	1	a Oats.
62. Miller, H. F., Rockport. Corn.	2	b Rye.
63. Moore, James, Bloomington. Wheat.	1	c Buckwheat.
64. Moore, J. W., Ligonier. Corn.	2	101. Wilhelm, I. C., Ligonier.
65. Morris, C. S., Angola. Barley.	4	a Rye.
66. Morrison, W. L., Scottsburg. Corn.	2	b Buckwheat.
67. Mottler, C. H., Rockport. Oats.	3	102. Woods, Frank, Princeton.
68. Norris, C. S., Angola. Wheat.	1	a Rye.
69. Nowlin, A. E., Lawrenceburg. Corn.	2	b Buckwheat.
70. Pickett, Jabs, Greensboro. Wheat.	1	
71. Powers, L. A., Angola.		
a Rye.	5	
b Buckwheat.	7	
72. Pumphrey, Geo. O., Mt. Ayr. Corn.	2	
73. Reynolds & Son, Weaver.		
a Wheat.	1	
b Barley.	4	
75. Riley, Howard, Thorntown. Corn.	2	
76. Riley, James, Thorntown.		
a Wheat.	1	
b Corn.	2	
c Oats.	3	
d Clover seed.	9	
79. Sedan, John M., East Enterprise.		
Corn.	2	
80. Seig, John Q. A., Corydon. Corn.	2	
81. Shoemaker, Ed., Columbia.		
a Rye.	5	
b Buckwheat.	7	
82. Smiley, A. M., Laughery. Corn.	2	
83. Smith, J. B., Queensville. Corn.	2	
84. Smith, Willard, East Enterprise.		
a Oats.	3	
b Barley.	4	
85. South, A. A., Rutland. Oats.	3	
86. Stoneman, J. R., Spencer. Oats.	3	
87. Stout, Wm., Portland. Wheat.	1	
89. Strain, S. Vet., Princeton. Corn.	2	
90. Strain & Bro., Princeton. Timothy.	3	
90a. Tash, Leroy, Martinsburg.		
a Wheat.	1	
b Oats.	3	
91. Taylor, Hubbard, Yankeetown.		
Wheat.	1	
92. Techenor, Albert, Princeton. Wheat.	1	
93. Thomas, Geo., Rockport. Corn.	2	
94. Thomas, Henry, La Fontaine.		
a Rye.	5	
b Buckwheat.	7	
95. Thompson, Alfred H., Bly. Corn.	2	
96. Thompson, C. J., Vincennes. Wheat.	1	
97. Thornburg & Lawrence, Rutland.		
Wheat.	1	
98. Tichenor, Geo., Princeton. Corn.	2	
99. Trout, Lee, Franklin.		
a Wheat.	1	
b Corn.	2	
c Oats.	3	

## GROUP 3.

103. Everitt, J. A., Indianapolis. S cane.

## GROUP 5.

104. Everitt, J. A., Indianapolis. B peas and broom corn.

## GROUP 7.

## Dairy Building.

105. Barnett, Mrs. Ida, Muncie. Butter.
- 105a. Benedict, Mrs. Grace, Spring Butter.
106. Borden, Mrs., Borden. Butter.
107. Busick, Mrs. Kate M., Wabash. ter.
- 107a. Centerville Creamery Co., Centerville. Butter.
108. Claypool, Mrs. Marcus, Muncie. ter.
109. Graybill, Mrs. S. C., Ladoga. Butter.
110. Hayden, Mrs. Edgar, Lowell. Butter.
111. Hill, Mrs. Pauline, Lowell. Butter.
112. Kean, Mrs. Morgan, Mitchell. Butter.
113. King, G. S., Edenburg. Butter.
- 113a. King, Linnie, Edinburg. Butter.
- 113b. Lewisville Butter & Cheese Butter.
114. Lowell Co-operative Creamery, Lowell. Butter.
115. Nye, Mrs. Jennie R., Goshen. Butter.
116. Perdu University, Lafayette. Butter.
117. Rensselaer Separated Butter (Rensselaer. Butter.
118. Roberts, Mrs. Mary Ann, Pendlet. Butter.
119. St. Johns Creamery, St. Johns. Butter.
120. Tresenrighter, Mrs. H., Georgetown. Butter.

## Animal Fibres, Fertilizers.

## GROUP 9.

Exhibit No.	Class'n No.
121. Combs, H. L., South Whitney. Wool.	60
122. Conger, Sid, Flat Rock. Wool.	60
123. Cowgill, C., Warsaw. Wool.	60
125. Dolph, A. S., Teagarden. Wool.	60
126. Dunn, C. H., Auburn. Wool.	60
127. Everitt, J. A., Indianapolis. Hemp and flax.	59
127a. Guilliams, James A., Fincastle. Wool.	60
128. Harding, T. L., La Porte. Wool.	60
129. Haverstock, S. G., Butler. Wool.	60
130. Helser, Eli, Warsaw. Wool.	60
131. Lewis, Benson R., Salem Centre. Wool.	60
132. M'Millen, I., Upland. Wool.	60
133. Mitchell, Robert, Princeton. Wool.	60
134. Replogle, O. E., La Porte. Wool.	60
135. Sanders, Daniel A., Gosben. Wool.	60
136. Skinner & Collett, Denver. Wool.	60
137. Thompson, John L., & Sons, Arcana. Wool.	60
138. Thompson, John L., Marion. Wool.	60
139. Whipp, Wm., & Son, Carlisle. Wool.	60
140. White, Will A., Franklin. Wool.	60
141. Wiley, W. M., New Augusta. Wool.	60
142. Williams, I. J., & Son, Muncie. Wool.	60

## GROUP 17.

Exhibit No.	Class'n No.
201. Collin, R. Guilford. Soils.	93
202. Finney, George, Valparaiso. Soils.	93
203. Fisher, Thomas H., Orleans. Soils.	93
204. Frank, John, Dubois County. Soils.	93
205. Gates, Howard, Gosport. Soils.	93
206. Harrell, Samuel, Brookville. Soils.	93
207. Hitz, John G., Madison. Soils.	93
208. Howard, John, Spencer. Soils.	93
209. Latta, J. W., Hawpatch. Soils.	93
210. Ling, Jonn, Madison. Soils.	93
211. Little, J. H., Lowell. Soils.	93
212. Maple Ridge Farm, Ashboro. Soils.	93
213. McCullough, William, Vevay. Soils.	93
214. McKinster, J. W., Madison. Soils.	93
215. Reed, Henry, Orleans. Soils.	93
216. Shuster, John W., Stone Bluff. Soils.	93
217. Snyder, F., Liberty. Soils.	93
218. Sparkes, Harry, Marengo. Soils.	93
219. Sycamore Farm, Conley. Soils.	93
220. Virden, S. D., Madison. Soils.	93
221. Williams, R. E., Greencastle. Soil.	93
222. Williams, Smith, Paoli. Soils.	93
223. Wolf, Phillip, Delphi. Soils.	93
223a. Yates, Howard, Gosport. Soils.	93

## IOWA.

## LOCATION—SEC. D.—S. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class'n No.
1. Alberts, John H., Jefferson.	
a Corn.	2
b Millet.	8
2. Angus, William, Straham. Millet.	10
3. Ashton, Charles, Guthrie Centre. Wheat.	1
4. Beecher, A. H., Ida Grove.	
a Wheat.	1
b Oats.	2
5. Bice, Clyde, Perry. Corn.	2
6. Bills, Henry, Perry. Corn.	2
7. Clark, B. B., Red Oak. Wheat.	1

Exhibit No.	Class'n No.
8. Clute, L. G., Manchester.	
a Wheat.	1
b Corn.	2
c Oats.	8
d Barley.	4
e Rye.	5
f Buckwheat.	7
g Grasses.	8
h Clover seed.	9
9. Collman, A. F., Corning.	
a Wheat.	1
b Corn.	2
c Oats.	8
d Barley.	4
e Hay.	8

## Cereals, Sugars, Etc.

Exhibit No.	Class'n No.	Exhibit No.
10. Connell, H. H., Guernsey. Timothy, red top and seeds.	8	36. Plymouth County World's Fair Le Mars.
11. Cowan, John W., South Amara. Timothy seed.	8	a Wheat.
12. Crall, M., Mason City. Corn.	2	b Flour and mill feed.
13. Dongal, E., Panama. Corn.	2	37. Price, John, Des Moines.
14. Doolittle, J. E., Cresco.		a Wheat.
a Corn.	2	b Rye.
b Oats.	3	38. Reeves, Elmer, Waverly. Grass.
15. Elliott, Joseph, Polen.		39. Royer, Guy, Perry. Corn.
a Wheat.	1	40. Rundell, L., Iowa City.
b Corn.	2	a Wheat.
16. Ellis, J. C., Truro. Corn.	2	b Barley.
17. Eral, F. R., Rolfe.		41. Russell, J. J., Mason City. Corn.
a Corn.	2	42. Rutherford, J. B., Manchester. F.
b Millet.	8	43. Smith, E. H., Dubuque.
18. Franklin, Geo. W., Atlantic. Wheat.	1	a Wheat.
19. Harvey, Graves, Des Moines. Millet seed.	8	b Oats.
20. Harvey, Henry, Des Moines. Barley.	4	c Grasses, clover and millet.
21. Herrold, Henry, Ridgedale. Corn.	2	44. Snyder, Jacob A., Marshalltown. Corn.
22. Holmes, Joseph, Marshalltown. Millet.	8	45. Sprintig, Henry, Perry, Corn.
23. Hudler, Lee, Audubon.		46. Steigerwalt, W. F., Carroll.
a Rye.	5	a Oats.
b Timothy.	8	b Rye.
24. Husted, William M., Des Moines. Corn.	2	c Timothy.
25. James, Moses, Perry. Corn.	2	47. Surfus, C. V., Bristow.
26. Keegel, E. W., Garnavillo.		a Corn.
a Corn.	2	b Oats.
b Oats.	3	48. Thompson, Wm., Humboldt.
c Timothy.	8	a Corn.
27. Knickerbocker, E. H., & Co. Fairfax.		b Timothy seed.
a Wheat.	1	49. Werges, Fred, National.
b Corn.	2	a Wheat.
c Oats.	3	b Oats.
d Rye.	5	50. Wilson, J. J., Norwalk. Rye.
28. Kreuger, Wm., Garnavillo. Corn.	2	51. White, F. S., Des Moines.
29. Mergham, P. T., Clayton. Corn.	2	a Wheat.
30. McCandless, S. A., Belle Plaine. Corn.	2	b Oats.
31. McCulloch, Fred, Hartwick.		c Barley.
a Corn.	2	d Buckwheat.
b Oats.	3	e Timothy, grass and millet seeds.
32. Nims Bros., Emerson.		52. Wilson, W. A., Waterloo. V grasses.
a Oats.	3	53. Wright, E. P., Summerset.
b Buckwheat.	7	a Wheat.
c Grasses.	8	b Corn.
33. Nims, D. B., Emerson.		c Buckwheat.
a Grasses, timothy and millet.	8	d Millet and timothy.
b Alfalfa.	9	
34. Packard, S. B., Marshalltown. Wheat.	1	
35. Plummer, A. L., Ivy.		
a Corn.	2	
b Clover seed.	9	

## GROUP 3.

54. Clute, L. G., Manchester. Honey beeswax.
55. Herrold, Henry, Ridgedale. Syrup.
56. Kretschmer, E., Red Oak. Honey beeswax and bee culture appliances.
57. Wherry, J. P., Guernsey. Syrup.

## Root Crops, Dairy and Dairy Products.

## GROUP 4.

Exhibit No.	Class'n No.
5. Clute, L. G., Manchester.	
a Irish and sweet potatoes.	28
b Garden and table vegetables and root crop.	30
9. Collman, A. F., Corning. Potatoes.	28
6. Gabrilson, C. L., New Hampton. Potatoes.	28
61. Hethershaw, James, Des Moines. Potatoes.	28
12. Wright, E. P., Summerset. Potatoes.	28

## GROUP 5.

63. Clute, L. G., Manchester. Beans.	32
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## GROUP 7.

## Dairy Building.

100. Adams, C. W., Breda. Butter.	42
101. Bassett Creamery, Bassett. Butter.	42
112. Bennett, W. W., Churdan. Butter.	42
103. Blake, Mrs. David, Greene. Butter.	42
104. Bracy, E. L., Maynard. Butter.	42
105. Brahe, Louis, Andover. Butter.	42
106. Brockway, E. F., Ainsworth. Butter.	42
107. Brown, Charles, Cresco. Butter.	42
108. Brownell, A. S., Rudd. Butter.	42
109. Carrier, A. R., Garnaville. Butter.	42
110. Castalia Creamery, Castalia. Butter.	42
110a. Chapin Creamery, Chapin. Butter.	42
111. Childs, Watson, Manchester. Butter.	42
112. Clelland Bros., Parkersburg. Butter.	42
113. Clermont Valley Creamery Co., Clermont. Butter.	42
114. Coldwater Creamery Co., Greene. Butter.	42
115. Crawford, Mrs. Wm., State Centre. Butter.	42
116. Decorah Creamery Co., Decorah. Butter.	42
117. Derby, J. W., Greenfield. Butter.	42
118. Devon Creamery, Devon. Butter.	42
118a. Diamond Creamery, Monticello. Butter.	42
119. Dodson, Frank, Logan. Butter.	42
119a. Eden Valley Creamery, Low Moor. Butter.	42
120. Elgin Creamery, Elgin. Butter.	42
121. Elma Creamery, Elma. Butter.	42
122. Fayette Creamery Association, Fayette. Butter.	42
123. Fest, H. L., Ross. Butter.	42

Exhibit No.	Class'n No.
124. Festina Creamery Co., Festina. Butter.	42
125. Fonda, R. M., Luana. Butter.	42
126. Fort Atkinson Creamery, Fort Atkinson. Butter.	42
127. Fortham, Lewis, Chapin. Butter.	42
128. Franklin Creamery, Decorah. Butter.	42
129. Gabrilson, C. L., New Hampton. Butter.	42
130. Gerber, J., Rockwell. Butter.	42
131. Girard Creamery, Girard. Butter.	42
131a. Globe Creamery, Luxemburg. Butter.	42
132. Golden Star Dairy Co., Dyersville. Butter.	42
133. Goodrich, Wm. B., Climbing Hill. Butter.	42
134. Greeley Farmers' Creamery Co., Greeley. Butter.	42
135. Grimes Butter & Cheese Co., Grimes. Butter.	42
136. Hampton Creamery, Hampton. Butter.	42
137. Haven, E. M., Bristow. Butter.	42
138. Henderson, P. G., Central City. Butter.	42
139. Henderson & Babcock, Central City. Butter.	42
140. Herrick, John D., Fredericksburg. Butter.	42
141. Hesper Creamery, Hesper. Butter.	42
142. Highlandville Creamery, Hesper. Butter.	42
143. Huxtable, F. L., Clear Lake. Butter.	42
144. Ionia Creamery, Ionia. Butter.	42
145. Iowa Agricultural College Creamery, Ames. Butter.	42
146. Iowa Butter & Cheese Co., Corning. Butter.	42
147. Jefferson Creamery Co., Oelwein. Butter.	42
148. Jenkins, Levi A., St. Ansgar. Butter.	42
149. Jergenson, J. T., Fredsville. Butter.	42
150. Kenyon, B. W., Masonville. Butter.	42
151. Lawson, G. B., Grinnell. Butter.	42
152. Leach, Mrs. D., Freeport. Butter.	42
153. Leach, Mrs. Wm., Freeport. Butter.	42
154. Little Turkey Creamery Co., Little Turkey. Butter.	42
155. Lime Springs Creamery Co., Lime Springs. Butter.	42
156. Livermore Creamery Co., Livermore. Butter.	42

## Dairy Products, Fibres, Fertilizers.

Exhibit No.	Class'n No.	Exhibit No.
157. Lyon, Mrs. C. H., Dexter. Butter.	42	186. Rowell, Samuel, Osage. Butter.
158. Manchester Co-operative Creamery Co., Manchester. Butter.	42	187. Russell, G. W., Greene. Butter.
159. Martin, Mrs. S. D., Belmond. Butter.	42	188. Schrieber, C., New Hampton. Butter.
160. Mason City Creamery, Mason City. Butter.	42	189. Sheatz, Aaron, Decorah. Butter.
161. Mead, C. W., & Son, Manchester. Butter.	42	190. Sheehan, Dan, Osage. Butter.
162. Mechanicsville Butter & Cheese Co., Mechanicsville. Butter.	42	191. Sheehan, Jerry, Osage. Butter.
163. Miller, H. A., Oelwein. Butter.	42	192. Smith, M. N., Grundy Center. Butter.
164. Moody, W. I., Nashua. Butter.	42	193. Spring Branch Creamery, Manchester. Butter.
164a. Morin & Co., Cedar Rapids. Butter.	42	194. Steamboat Rock Creamery, Steamboat Rock. Butter.
165. Neitert, H. J., Walker. Butter.	42	194a. Strayer, Geo. B., Lawa Hill. Butter.
166. New Hampton Creamery, New Hampton. Butter.	42	195. Smarzo, W. S., Maynard. Butter.
166a. Nordness Creamery, Nordness. Butter.	42	196. Swenson, S. R., Story City. Butter.
167. North Iowa Creamery Co., Clarion. Butter from its stations at Clarion, Forest City and Garner.	42	197. Tyler, Mrs. George, Decorah. Butter.
168. North Star Creamery Co., Steamboat Rock. Butter.	42	198. Van Auker, E. E., Clear Lake. Butter.
169. North Washington Creamery, North Washington. Butter.	42	199. Varney, J., Dickens. Butter.
170. Norton, B. P., Gresco. Butter.	42	200. Village Creek Creamery, Decorah. Butter.
172. Osage Co-operative Creamery Co., Osage. Butter.	42	201. Waid, H. P., Charles City. Butter.
173. Ossian Creamery Co., Ossian. Butter.	42	201a. Waughtal, J., Clear Lake. Butter.
174. Parker, L. L., Greeley. Butter.	42	202. West Hamlin Creamery Co., Clear Lake. Butter.
175. Parsons, H. D., Newton. Butter.	42	203. West Union Creamery, West Union. Butter.
176. Pierce, F. D., Cedar Falls. Butter.	42	204. Wilcox, E. D., Clarksville. Butter.
176a. Plummer, A. L., Ivy. Butter.	42	205. Williamstown Creamery, Williamstown. Butter.
177. Postville Creamery, Postville. Butter.	42	206. Young, P. H., Garden Grove. Butter.
178. Powers, J. F., Plainfield. Butter.	42	207. Younker, P. L., Belmond. Butter.
179. Powers, Mrs. J. F., Plainfield. Butter.	42	
180. Proctor, E. M., Williamstown. Butter.	42	
180a. Protovin Creamery, Protovin. Butter.	42	
181. Putnam, Mrs. Martha, Greene. Butter.	42	
182. Renner Bros., Grand Junction. a Butter.	42	
	43	
183. Ridgeway Creamery, Decorah. Butter.	42	
184. Riverton Creamery, Spencer. Butter.	42	
185. Rock Creek Co-operative Creamery Co., Osage. Butter.	42	

## GROUP 9.

268. Clute, L. G., Manchester. Flax s

## GROUP 17.

269. Clayton, B. F., Macedonia. Soil.  
 270. Crosby, Jas. O., Garnaville. Soil.  
 271. Guelich, Theod., Burlington. Soil.  
 272. Madden, J. J., Le Mars. Soil.  
 273. McCulloch, Fred, Hartwick. Soil.  
 274. Roberts, A. C., Fort Madison. Soil.  
 275. Thompson, Jasper, Forest City. Soil.  
 276. Wilson, James, Ames. Soil.

## KANSAS.

## LOCATION—SEC. D.—S. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Adam, Gotlieb, Marysville. Wheat.	1	26. Dalton, N. I., Topeka.	
2. Anderson, A., Marysville. Wheat.	1	<i>a</i> Wheat.	1
3. Anderson, Thomas, Salina.		<i>b</i> Corn on stalk.	2
<i>a</i> Oats.	3	<i>c</i> Oats.	8
<i>b</i> Alfalfa.	9	<i>d</i> Millet, orchard grass, timothy.	8
4. Anble, Fred., Medicine Lodge. Wheat		<i>e</i> Alfalfa and clover.	9
in straw.	1	27. Dalton, Otis, Topeka. Oats in straw.	3
5. Bartholomew, N. E., Topeka.		28. Daslap, Jef., Osborne. Alfalfa.	8
<i>a</i> Corn on stalk.	2	29. Dawson, B. F., Topeka. Wheat in	
<i>b</i> Oats and oats in straw.	3	straw.	1
<i>c</i> Blue grass and millet.	8	30. DeLong, Frank, Belleville. Wheat.	1
6. Baxter, E., Woodland.		31. Detlor, A., Topeka. Corn.	2
<i>a</i> Wheat in straw.	1	32. Detweiler, S., Hiawatha.	
<i>b</i> Blue grass.	8	<i>a</i> Wheat.	1
7. Begole, J., Burlingame.		<i>b</i> Rye in straw.	5
<i>a</i> Barley in straw.	4	<i>c</i> Timothy seed.	8
<i>b</i> Timothy.	8	<i>d</i> Red clover.	9
8. Benedict, Eli, Medicine Lodge. Rye		33. Dick, Ethel, Topeka. Rye in straw.	5
in straw.	5	34. Dick, S., Topeka. Blue grass.	8
9. Binder, George, Waterville. Wheat		35. Divan, J. H., Lawrence. Clover seed.	9
in straw.	1	36. Donmyer, G. B., New Cambria.	
10. Brandscom, John, Grantville. Tim-		Wheat.	1
othy.	8	37. Driscoll, F., Wichita. Millet seed.	8
11. Bruckmann, Thomas, Topeka. Blue		38. Eamheart, J. F., Howard. Corn.	2
grass.	8	39. Eddie, W. W., Marysville. Wheat.	1
12. Buchee Bros., McPherson. Oats in		40. Edwards, J. K., Phillipsburg. Wheat.	1
straw.	3	in straw.	1
13. Butler, J. O., Topeka. Wheat in		41. Elmore, S., Topeka. Wheat in straw.	1
straw.	1	42. Fisher, S. P., McPherson. Alfalfa.	8
14. Butler, P. E., Glasco. Wheat.	1	43. Foster, J. D., Washington. Wheat.	1
15. Cathay, Adam, Hamilton. Blue grass.		44. Fulcomer, John, Belleville. Corn.	2
in straw.	8	45. French, B. D., Concordia. Wheat.	1
16. Clafin, A. M., Salina. Barley.	4	46. Frisbie, G., Grantville.	
17. Clincents, S., Grantville. Wheat in		<i>a</i> Wheat in straw.	1
straw.	1	<i>b</i> Rye in straw.	5
19. Collins, A. P., Salina. Corn.	2	47. Fritz, J. H., Riley. Wheat.	1
20. Collins, H. H., Belleville. Oats.	3	48. Fry, F., Salina. Oats.	3
21. Collins, S. T., Belleville. Wheat.	1	49. Gillespie, Thos., Salina. Wheat.	1
22. Cowgill, J., McPherson. Oats in		50. Goodall, E. A., Topeka. Wheat in	
straw.	3	straw.	1
23. Cramer, S. H., Ottawa.		51. Goodwin, J. F. Menoken. Wheat in	
<i>a</i> Wheat.	1	straw.	1
<i>b</i> Barley seed.	4	52. Goose, L., Topeka. Oats in straw.	3
24. Cullinan, T. A., Junction City. Corn.			
in straw.	2		
25. Currey, J. C., Prairie Center. Corn.			
in straw.	2		

## Dairy Products, Fibres, Fertilizers.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
157.	42	186.	42
Lyon, Mrs. C. H., Dexter.		Rowell, Samuel, Osage.	
158.	42	187.	42
Manchester Co-operative Creamery Co., Manchester.		Russell, G. W., Greene.	
159.	42	188.	42
Martin, Mrs. S. D., Belmond.		Schrieber, C., New Hampton.	
160.	42	189.	42
Mason City Creamery, Mason City.		Sheatz, Aaron, Decorah.	
Butter.		190.	42
161.	42	Sheehan, Dan, Osage.	
Mead, C. W., & Son, Manchester.		191.	42
Butter.		Sheehan, Jerry, Osage.	
162.	42	192.	42
Mechanicsville Butter & Cheese Co., Mechanicsville.		Smith, M. N., Grundy Center.	
163.	42	193.	42
Miller, H. A., Oelwein.		Spring Branch Creamery, M.	
164.	42	chester.	
Moody, W. I., Nashua.		Butter.	
164a.	42	194.	42
Morin & Co., Cedar Rapids.		Steamboat Rock Creamery, Ste.	
165.	42	boat Rock.	
Neitert, H. J., Walker.		Butter.	
166.	42	194a.	42
New Hampton Creamery, New Hampton.		Strayer, Geo. B., Lawn Hill.	
166a.	42	195.	42
Nordness Creamery, Nordness.		Smarzo, W. S., Maynard.	
Butter.		196.	42
167.	42	Swenson, S. R., Story City.	
North Iowa Creamery Co., Clarion.		197.	42
Butter from its stations at Clarion, Forest City and Garner.		Tyler, Mrs. George, Decorah.	
168.	42	198.	42
North Star Creamery Co., Steamboat Rock.		Van Auken, E. E., Clear Lake.	
Butter.		Butter.	
169.	42	199.	42
North Washington Creamery, North Washington.		Varney, J., Dickens.	
Butter.		200.	42
170.	42	Village Creek Creamery, Decorah.	
Norton, B. P., Gresco.		Butter.	
171.	42	201.	42
Osage Co-operative Creamery Co., Osage.		Waid, H. P., Charles City.	
Butter.		201a.	42
172.	42	Waughtal, J., Clear Lake.	
Ossian Creamery Co., Ossian.		202.	42
Butter.		West Hamlin Creamery Co., Exile.	
173.	42	Butter.	
174.	42	203.	42
Parker, L. L., Greeley.		West Union Creamery, West Union.	
175.	42	Butter.	
Parsons, H. D., Newton.		204.	42
176.	42	Wilcox, E. D., Clarksville.	
Pierce, F. D., Cedar Falls.		205.	42
176a.	42	Williamstown Creamery, Williamstown.	
Plummer, A. L., Ivy.		Butter.	
177.	42	206.	42
Postville Creamery, Postville.		Young, P. H., Garden Grove.	
Butter.		Butter.	
178.	42	207.	42
Powers, J. F., Plainfield.		Youmker, P. L., Belmond.	
179.	42		
Powers, Mrs. J. F., Plainfield.			
Butter.			
180.	42		
Proctor, E. M., Williamstown.			
Butter.			
180a.	42		
Protovin Creamery, Protovin.			
Butter.			
181.	42		
Putnam, Mrs. Martha, Greene.			
Butter.			
182.	42		
Renner Bros., Grand Junction.			
a Butter.			
b Cheese.			
183.	42		
Ridgeway Creamery, Decorah.			
Butter.			
184.	42		
Riverton Creamery, Spencer.			
Butter.			
185.	42		
Rock Creek Co-operative Creamery Co., Osage.			
Butter.			

## GROUP 9.

268. Clute, L. G., Manchester. Flax seed.

## GROUP 17.

269. Clayton, B. F., Macedonia. Soil. 9  
 270. Crosby, Jas. O., Garnaville. Soil. 9  
 271. Guelich, Theod., Burlington. Soil. 9  
 272. Madden, J. J., Le Mars. Soil. 9  
 273. McCulloch, Fred, Hartwick. Soil. 9  
 274. Roberts, A. C., Fort Madison. Soil. 9  
 275. Thompson, Jasper, Forest City. Soil. 9  
 276. Wilson, James, Ames. Soil. 9

## KANSAS.

LOCATION—SEC. D.—S. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Adam, Gottlieb, Marysville. Wheat.	1	26. Dalton, N. I., Topeka.	
2. Anderson, A., Marysville. Wheat.	1	<i>a</i> Wheat.	1
3. Anderson, Thomas, Salina.		<i>b</i> Corn on stalk.	2
<i>a</i> Oats.	3	<i>c</i> Oats.	3
<i>b</i> Alfalfa.	9	<i>d</i> Millet, orchard grass, timothy.	8
4. Auble, Fred., Medicine Lodge. Wheat		<i>e</i> Alfalfa and clover.	9
in straw.	1	27. Dalton, Otis, Topeka. Oats in straw.	
5. Bartholomew, N. E., Topeka.			3
<i>a</i> Corn on stalk.	2	28. Dasflap, Jef., Osborn. Alfalfa.	8
<i>b</i> Oats and oats in straw.	3	29. Dawson, B. F., Topeka. Wheat in	
<i>c</i> Blue grass and millet.	8	straw.	1
6. Baxter, E., Woodland.		30. DeLong, Frank, Belleville. Wheat.	1
<i>a</i> Wheat in straw.	1	31. Detlor, A., Topeka. Corn.	2
<i>b</i> Blue grass.	8	32. Detweiler, S., Hiawatha.	
7. Begole, J., Burlingame.		<i>a</i> Wheat.	1
<i>a</i> Barley in straw.	4	<i>b</i> Rye in straw.	5
<i>b</i> Timothy.	8	<i>c</i> Timothy seed.	8
8. Benedict, Eli, Medicine Lodge. Rye		<i>d</i> Red clover.	9
in straw.	5	33. Dick, Ethel, Topeka. Rye in straw.	
9. Binder, George, Waterville. Wheat			5
in straw.	1	34. Dick, S., Topeka. Blue grass.	8
10. Brandscom, John, Grantville. Tim-		35. Divan, J. H., Lawrence. Clover seed.	
othy.	8		9
11. Bruckmann, Thomas, Topeka. Blue		36. Donmyer, G. B., New Cambria.	
grass.	8	Wheat.	1
12. Buchee Bros., McPherson. Oats in		37. Driscall, F., Wichita. Millet seed.	8
straw.	3	38. Eamheart, J. F., Howard. Corn.	2
13. Butler, J. O., Topeka. Wheat in		39. Eddie, W. W., Marysville. Wheat.	1
straw.	1	40. Edwards, J. K., Phillipsburg. Wheat.	
14. Butler, P. E., Glasco. Wheat.			1
15. Cathay, Adam, Hamilton. Blue grass.		41. Elmore, S., Topeka. Wheat in straw.	
	8		1
16. Claffin, A. M., Salina. Barley.	4	42. Fisher, S. P., McPherson. Alfalfa.	8
17. Clinents, S., Grantville. Wheat in		43. Foster, J. D., Washington. Wheat.	
straw.	1		1
18. Collins, A. P., Salina. Corn.	2	44. Fulcomer, John, Belleville. Corn.	2
19. Collins, H. H., Belleville. Oats.	3	45. French, B. D., Concordia. Wheat.	1
20. Collins, S. T., Belleville. Wheat.	1	46. Frisbie, G., Grantville.	
21. Cowgill, J., McPherson. Oats in		<i>a</i> Wheat in straw.	1
straw.	3	<i>b</i> Rye in straw.	5
22. Cramer, S. H., Ottawa.		47. Fritz, J. H., Riley. Wheat.	1
<i>a</i> Wheat.	1	48. Fry, F., Salina. Oats.	3
<i>b</i> Barley seed.	4	49. Gillespie, Thos., Salina. Wheat.	1
24. Cullinan, T. A., Junction City. Corn.		50. Goodall, E. A., Topeka. Wheat in	
	2	straw.	1
25. Currey, J. C., Prairie Center. Corn.		51. Goodwin, J. F. Menoken. Wheat in	
	2	straw.	1
		52. Goose, L., Topeka. Oats in straw.	3

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
54. Hall, J. P., Medicine Lodge. Wheat in straw.	1	84. Lusler, John, Linn. Wheat.	
55. Ham, F., Grantville. Wheat in straw.	1	85. Mangole, Frank, Newman. M	
56. Ham, W. J., Grantville. Wheat in straw.	1	86. McAtce, R. J., Hiawatha. Whe	
57. Hammett, B. J., Schroyer. Corn.	2	87. McHenry, James, Grantville. W	
58. Hammett, C. A., Schroyer. Corn.	2	88. McHenry, Wm., Grantville. W	
59. Hammond, L., Scandia. Corn.	2	89. Miller, Anson, Chico. Alfalfa.	
60. Hart, Thomas, Hiawatha.		90. Miller, Jacob, Newman. Timothy	
a Red top.	8	91. Mosher, Wm. A., Lawrence. Ti	
b Red clover.	9	92. Meyers, Dick, Riley. Oats.	
61. Hatje, Chas., Glasco. Oats.	3	93. Neck, August, Emporia. Wheat	
62. Hinney, E., Ames. Wheat in straw.	1	94. Norris, J. J., North Topeka. Tin	
63. Hoagland, D. P., Olathe. Red top.	8	95. Peak, W. P., Belleville. Oats.	
64. Hodges, S. P., Portland. Barley in straw.	4	96. Pfeifer, Peter, Osborne. Barley se	
65. Hoffman, H. W., Salina.		97. Pounds, L. H., Topeka. Wheat	
a Wheat.	1	98. Price, James, Morganville. Corn.	
b Oats.	3	99. Rait, A. C., Junction City.	
66. Huston, H. A., Junction City. Wheat.	1	a Wheat.	
67. Hutchinson, Mrs., Silver Lake. Wheat in straw.	1	b Oats.	
68. Irvin, James, Gardner. Corn.	2	100. Rankin, Adam, Olathe.	
69. Johnson, G. Y., Willis. Wheat, grain and straw.	1	a Corn in stalk.	
70. Johnson, J. L., Marysville. Wheat.	1	b Buckwheat.	
71. Johnson, Wm., Gardner. Corn.	2	101. Reed, Charles, Prairie Center. Corn	
72. Jones, A. E., Topeka.		102. Reed, J. B., Tecumseh. Wheat i	
a Corn.	2	103. Riordan, A. P., McLouth.	
b Millet.	8	a Barley in straw.	
73. Jones, J. H., Troy.		b Blue grass.	
a Corn on stalk.	2	104. Rodgers, Thomas, Prairie Center	
b Oats in straw.	3	Corn.	
c Rye in straw.	5	105. Roler, Jacob, Menoken. Wheat in	
d Millet.	8	106. Ross, E. E., Menoken. Wheat in	
74. Killmer, George, Oscaloosa. Oats in straw.	3	107. Rundle, Wm., Clay Centre. Wheat.	
75. Knox, J. R., Manhattan. Oats.	3	108. Runnayan, T. S., Medicine Lodge.	
76. Koder, E. G., Manhattan. Corn.	2	Wheat in straw.	
77. Kossow, Wm., Marysville. Oats.	3	109. Rush Bros., Topeka. Oats in straw.	
78. Kriepe, C. O., Tecumseh. Wheat in straw.	1	110. Rush, J., Menoken. Wheat in straw.	
79. Krippe, Theo., Topeka. Orchard grass.	8	111. Severy, S., Reading. Corn, grain and stalk.	
80. Landon, L., Russell.		112. Shrieve, A., Wamego. Wheat.	
a Wheat.	1	113. Simpson, M. P., McPherson. Wheat	
b Oats.	3	in straw.	
c Rye in straw.	5	114. Simms, J. B., Topeka.	
81. Lannier, J. M., Derby. Red clover.	9	a Millet.	
82. Lower, W. S., Holton.		b Blue grass.	
a Wheat.	1		
b Oats.	3		
83. Lundstrom, G. F., McPherson. Wheat in straw.	1		

## Cereals, Grasses, Sugars, Syrups, Dairy and Dairy Products.

Exhibit No.	Class'n No.	
115. Smelser, J. Menoken. Wheat in straw.	1	
116. Smith, W. H., Topeka. Wheat.	1	
117. Sommers, Fred., Concordia. Wheat in straw.	1	
118. Spangler, F. M., Marysville. Millet. "The Boss."	8	
119. Stanley, D. W., Holton. Corn.	2	
120. Stone, Harvey, Medicine Lodge. Wheat in straw.	1	
121. Stover, C. W., Topeka. Wheat in straw.	1	
122. Stratton, Joel A., Reading. Caffir corn.	2	
123. Streeter, J. F., Junction City. Corn.	2	
124. Sullivan, James, Salina. Oats.	3	
125. Swift, W. G., Clay Center. Oats.	3	
126. Syler, J. H., Decatur. Wheat.	1	
127. Underwood, G., Grantville. Wheat in straw.	1	
128. Vannatta, J. E., Belleville. Oats.	3	
129. Walton, F. G., Florence. Corn.	2	
130. Washborne College, Topeka. Oats in straw.	3	
131. Waverland, Baxter, Topeka. Blue grass.	8	
132. Webber, Joseph, Osborne. a Wheat in straw.	1	
b Red clover.	9	
133. Webber, Orville, Pellerville. Wheat in straw.	1	
134. Wiberg, Erich, Clay Center. Oats.	3	
135. Wiccum, J. C., Tecumseh. Rye in straw.	5	
136. Williams, S. H., Abilene. Barley.	4	
137. Wilmer, Isaac, Parsons. Corn.	2	
138. Wilson, B. L., Salina. Corn.	2	
139. Wilson, S., Grantville. Timothy.	8	
140. Wilson, S. B., Clay Center. Wheat.	1	
141. Winslow, I. P., Padonia. Wheat in straw.	1	
142. Wolf, S., Ottawa. Corn.	2	
143. Wray, Cyrus, Salina. Wheat.	1	
144. Ziler, J. D., Hiawatha. Wheat in straw.	1	
145. Zimmerman, E., Hiawatha. Blue grass.	8	

## GROUP 3.

146. Missouri, Kansas & Texas Railway Co., Parsons. Sorghum cane, sugar and syrup.	24
147. State Agricultural College, Manhattan. Sorghum canes (24 varieties), non-saccharine canes, seed from India, 1891.	24

## GROUP 7.

## Dairy Building.

Exhibit No.	Class'n No.	
148. Abilene Creamery Co., Abilene. Butter.	42	
149. Ellenwood Creamery Co., Aurora. Butter.	42	
150. Bell Springs Creamery Co., Bell Springs. Butter.	42	
152. Burr Oak Creamery, Burr Oak. Butter.	42	
153. Clyde Creamery, Clyde. Butter.	42	
154. Emporia Creamery Co., Emporia. Butter.	42	
155. Enterprise Creamery Co., Enterprise. Butter.	42	
156. George, J. E., Burlingame. Butter.	42	
157. Golden Belt Creamery, Lindsborg. Butter.	42	
158. Halstead Creamery Co., Halstead. Butter.	42	
159. Hillsboro Creamery Co., Hillsboro. Butter.	42	
160. Hobine, Geo., Florence. Butter.	42	
161. Hope Creamery Co., Hope. Butter.	42	
162. Jones, A. E., Topeka. Butter.	42	
163. Lyndon Creamery Co., Lyndon. Butter.	42	
164. Marquette Creamery Co., Marquette. Butter.	42	
165. Meriden Creamery Co., Meriden. Butter.	42	
166. Minneapolis Creamery Co., Minneapolis. Butter.	42	
167. Neosho Rapids Creamery Co., Neosho Rapids. Butter.	42	
168. Newton Creamery Co., Newton. Butter.	42	
169. O'Dell, J., Florence. Butter.	42	
170. O. K. Creamery, Mound Ridge. Butter.	42	
171. Peabody Creamery Co., Peabody. Butter.	42	
172. Ramona Creamery Co., Ramona. Butter.	42	
173. Riley Creamery Co., Riley. Butter.	42	
174. Schamburg, Wm., Florence. Butter.	42	
175. Sedgwick Creamery Co., Sedgwick. Butter.	42	
176. Shady Brook Creamery Co., Shady Brook. Butter.	42	
177. Talmage Creamery Co., Talmage. Butter.	42	
178. White Water Creamery Co., White Water. Butter.	42	

## Dairy and Dairy Products, Animal and Vegetable Fibres, Forestry, Forest Produ

Exhibit No.	Class'n No.
179. Winchester Creamery Co., Winchester. Butter.	42
180. Wingert, Wm. A., Florence. Butter.	42
181. Woodbine Creamery Co., Woodbine. Butter.	42

## GROUP 9.

182. Bartholemew, N. E., Topeka. Flax in straw.	59
183. Dalton, N. I., Topeka. Flax in straw.	59

Exhibit No.	Class'n No.
184. Missouri, Kansas & Texas Ry. Parsons. Cotton.	
186. Six, John T., Wakamsia. Flax straw.	
187. Sturdy, Joseph, Waveland. Flax straw.	
188. Timcher, George, Elmont. Flax straw.	

## GROUP 19.

189. State of Kansas, Topeka. Walnut log.	
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## KENTUCKY.

## LOCATION—SEC. C.—N. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class'n No.
1. Adams, W. H., Churchill. Clover seed.	9
2. Adcock, J. N., Philpot. Corn.	2
3. Alexander, R. E., Owensboro. Corn.	2
4. Anderson, E. H., Hopkinsville. Corn.	2
5. Ashcraft, Jesse, Brandenburg. a Corn.	2
b Red top seed.	8
7. Aull, Nace, Knottsville. Wheat.	1
8. Blargrave, J., Versailles. Wheat.	1
9. Bell, James N., Thurston. Corn.	2
10. Bell, William M., Philpot. Wheat.	1
11. Benders, Jno. H., Elizabethtown. Corn.	2
12. Bohannon, Frank, Versailles. Red clover seed.	9
13. Borders, J. H., Elizabethtown. Corn.	2
14. Bowen, J. N., Richmond. Corn.	2
15. Bowens, J. W., Richmond. a Wheat.	1
b Corn.	2
16. Brame, Jno. L., Cerulean Springs. Oats.	3
17. Brent, C. S., Lexington. a Wheat.	1
b Grasses.	8
18. Brent, C. S., Lexington. a Rye.	5
b Grass seed.	8

Exhibit No.	Class'n No.
19. Brent, Chas. S., & Bro., Paris. Blue grass seed.	B
20. Brown, J. M., Richmond. Corn.	
21. Buford, Mra. D. C., Smithfield. Oats.	
22. Candle, J. R., Julian. Wheat.	
23. Cann, L. W. F., Rineyville. a Wheat.	
b Corn.	
c Orchard grass.	
d Clover.	
24. Carpenter, O. P., La Grange. Wheat.	
25. Carroll, P., Lexington. Blue grass seed.	
26. Carter, A. L., Longview. Wheat.	
27. Cecil, N. D., Owensboro. Corn.	
28. Clardy, F. C., Newstead. Wheat.	
29. Clardy, J. D., Newstead. a Wheat.	
b Corn.	
c Clover seed.	
30. Clardy & Son, Gracey. a Wheat.	
b Corn.	
31. Clark, J. M., Hopkinsville. a Wheat.	
b Oats.	
32. Clarkson, Ben. S., Big Springs. Wheat.	
33. Clarkson, R. S., Big Springs. Wheat.	
34. Coons, R. W., Mt. Sterling. Corn.	

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
35. Cox, Charles, Versailles.		68. Hitt, H. K., La Grange.	
a Wheat.	1	a Oats.	3
b Corn.	2	b Orchard grass seed.	8
36. Cox, C. T., Versailles. Corn.	2	69. Horn, B. F., Ensor. Corn.	2
37. Crabb, E. D., Smithfield. Corn.	2	70. Horn, Lillie, Ensor. Corn.	2
38. Craycroft, R. C., Big Springs.		71. Howard, S., Sonora.	
a Wheat.	1	a Wheat.	1
b Oats.	3	b Corn.	2
39. Drake, W. D., Yarnallton.		c Oats.	3
a Wheat.	1	72. Hughes, Jos. Versailles. Rye.	5
b Corn.	2	73. Hurst, F. K., Versailles. Grass seed.	8
c Rye.	5	74. Hutchcraft, R. B., Paris. Blue grass seed.	8
40. Dudley, Robert, Pembroke. Wheat.	1	75. Ingels, Boon, Oakland Mills. Wheat.	1
41. Duncan, J. L., Elizabethtown. Corn.	2	76. Kenney, A., Danville. Wheat.	1
42. Duncan, Thos., Elizabethtown. Corn.	2	77. Kentucky Experiment Station, Lexington.	
44. Ecton, C. B., Winchester.		a Wheat.	1
a Oats.	3	b Oats.	2
b Blue grass seed.	8	c Grasses.	8
45. Edwards, W. H., Versailles. Clover seed.	9	78. Knight, W. T., Nicholasville. Corn.	2
46. E. H. & Co., Winchester. Corn.	2	79. Kulp, A. N., Pleasant Hill. Wheat.	1
47. Elizabethtown Milling Co., Elizabethtown. Flour.	11	80. Lancaster, Miles, Sorgho. Wheat.	1
48. Endicott, H., Oakland Mills. Corn.	2	81. Lexington Roller Mills, Lexington. Wheat.	1
49. Evans, John, Winchester. Wheat.	1	82. Logan, J. A., Christiansburg. Wheat.	1
50. Gabbert, R. L., Philpot. Corn.	2	83. Lowry & Ferguson, Hopkinsville. Wheat.	1
51. Gaines, Tom, Newstead.		84. Lyle, H. M., Shelbyville. Corn.	2
a Corn.	2	85. Lyle, R. B., Churchill. Wheat.	1
b Grass.	8	86. Major, J. A., Hopkinsville. Wheat (rice wheat).	1
52. Gardner, James, Glendale. Sheaf oats.	3	87. Mariott, S. A., Nolin. Corn.	2
53. Garnett, J. F., Casky. Wheat.	1	88. Martin, J. T., Philpot. Corn.	2
54. Garnett, Tom, Casky. Wheat.	1	89. Mason, Peter, Gracey. Corn.	2
55. Geoghegan, Ed., West Point. Timothy seed.	8	90. McClannahan, J., Ellisville. Corn.	2
56. Goff & Bro., Winchester. Blue grass seed.	8	91. McClanahan, John, Philpot. Corn.	2
57. Gooding, A. P., Cynthiana. Wheat.	1	92. McGoodwin, Eugene, Danville. Wheat.	1
58. Grady & Son, Versailles. Wheat.	1	93. Miller, Byron, Elizabethtown. Wheat.	1
59. Graves, Jacob, Lexington. Corn.	2	94. Miller, C. W. & W. H., Cecillian. Corn.	2
60. Hardin, R., Ensor.		95. Miller, D. G., Elizabethtown. Corn.	2
a Wheat.	1	96. Monin, J. H. & S. B., Nolin. Wheat.	1
b Corn.	2	97. Moorman, H. W. Valley Station. Timothy.	8
61. Hart, J. H., Elizabethtown.		98. Morgan, J. H., Elizabethtown. Sheaf oats.	3
a Corn.	2	99. Morgan & Co., Lexington. Wheat.	1
b Oats.	3	100. Nash, J. A., Winchester. Rye.	5
c Orchard grass.	8	101. Norris, R. G., Stanley. Wheat.	1
62. Haviland, H. H., Cynthiana. Corn.	2		
63. Hayden, G. & F., Thurston. Corn.	2		
64. Henry, A. M., Newstead. Clover seed.	9		
65. Hite, Chas., Shelbyville. Clover seed.	9		
66. Hite, J. W., Shelbyville.			
a Wheat.	1		
b Corn.	2		
67. Hite, S. S., Louisville. Orchard grass.	8		

## Cereals, Farm Products, Tobacco.

Exhibit No.	Class'n No.
102. O'Neil, Chas., Jr., Oak Grove. Wheat.	1
103. Ofutt, E. N., & Co., Georgetown.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Oats.	3
<i>d</i> Blue grass seed.	8
104. Omsden, Jno. L., Versailles. Blue grass.	8
105. Orear, Davis, Mt. Sterling. Corn.	2
106. Owen, M. V., Hopkinsville. Timothy.	8
107. Peck, J. W., Cynthiana. Wheat.	1
108. Pierce, F. M., Hopkinsville. Wheat.	1
109. Radford, W. T., Pembroke. Wheat.	1
110. Rankin, Capt., Oakland Mills. Wheat.	1
111. Render, Wm. B., Hartford. Corn.	2
112. Richards, Jno., Nolin. Wheat.	1
113. Roberts, E. S., Guston. Oats.	3
114. Robinson, Jack, Stanley. Wheat.	1
115. Rout, W. B., Sonora. Wheat.	1
116. Shacklett, D. F., Garrett. Wheat.	1
117. Shanklin, E. L., Garrett. Oats.	3
118. Shelton, G. F., Newstead. Corn.	2
119. Shelton, P. T., Newstead.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
120. Singleton, W. S., Elizabethtown. Wheat.	1
120a. Sinnett, Jno., Whitesville. Wheat.	1
121. Slaughter, J. Q., Nolin. Red clover.	9
122. Smith, G. W., Hill Grove. Corn.	2
123. Smith, T. H., Winchester. Blue grass.	8
124. Smizer, Wm., Ballardsville. Corn.	2
125. Spears & Steward, Paris. Grass seed.	8
126. St. Bernard Coal Co., Erlington.	
<i>a</i> Timothy, red top and orchard grass.	8
<i>b</i> Red clover.	9
127. Steele, W. L., Nicholasville.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
128. Stith, B. A., Elizabethtown. Corn.	2
129. Stovall, H., Stithton. Blue grass seed.	8
130. Stowe, G. H. Wheat.	1
131. Sugg, Saml., Oakland Mills. Wheat.	1
132. Sutherland, Arch., Utica. Wheat.	1
133. Taylor, Ed., Yelvington. Corn.	2
134. Thompson, Albert, Guston. Corn.	2
135. Tichenor, G. K., Sonora. Corn.	2
136. Tillman & Carroll, Lexington. Blue grass seed.	8

Exhibit No.	Class'n No.
137. Walker, J. W., Hardin Springs.	
<i>a</i> Corn.	
<i>b</i> Meal.	
138. Walters, Andrew, Buffalo. Corn.	
139. Walters, T. J., Magnolia.	
<i>a</i> Wheat.	
<i>b</i> Oats.	
140. Ware, C. W., Trenton. Wheat.	
141. Warfield, Wm., Lexington. Wheat.	
142. Watkins, A. N., Beverly. Wheat.	
143. Watkins, Mrs. Mary N., Beverly. Wheat.	
144. Wells, J. H., Nolin. Wheat.	
145. Willett, J. S., Hennabaker.	
<i>a</i> Wheat.	
<i>b</i> Red top seed.	
146. Willett, Richard, Hill Grove. Oats.	
147. Williams, J., Hill Grove. Corn.	
148. Wills, L. J., Nolin. Wheat.	
149. Woods, L. W., La Grange. Rye.	
150. Woolfork, G. A., Thurston. Corn.	
151. Wright, S. B., Thurston. Corn.	
152. Wright, Thos. C., Thurston. Corn.	

## GROUP 5.

153. Miller, Bayless, Elizabethtown. Beans.	8
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## GROUP 8.

155. Adams, W. H., Churchill. Tobacco seed.	4
156. Andrews & Gray, Flemingsburg. Tobacco.	4
157. Ashby, D. M., Barren County. Tobacco.	4
158. Barret, H. P., Henderson. Tobacco.	4
159. Barret, Henry P., Owensboro. Tobacco.	4
160. Barrett, John H., & Co., Henderson. Tobacco.	4
161. Barrett, John H. & Co., Owensboro. Tobacco.	4
162. Barrick & Bros., Barren County. Tobacco.	4
163. Batts, H. C., Versailles. Tobacco.	4
164. Berry, Dan., Paducah. Tobacco.	4
165. Black, W. A., Shelbyville. Tobacco.	4
166. Blackerby, F. B., Versailles. Tobacco.	4
167. Bockee, Garth & Schroeder, Louisville. Tobacco.	4
168. Bornemann, W., Paducah. Tobacco.	4
169. Boumpus, B. F., Paducah. Tobacco.	4

# KENTUCKY.

## Tobacco.

Exhibit No.	Class No.	Exhibit No.
170. Bridges, C. A., & Co., Louisville. Tobacco.	48	200. Depoyster, J. S., Williamsburg. Tobacco.
171. Brodi & Thompson, Owensboro. Tobacco.	48	201. Dodge, P. S., Alton. Tobacco.
172. Brooks, A., Henderson. Tobacco.	48	202. Drake, F., Shelbyville. Tobacco.
173. Brown, Jno. W., & Bros., Louisville. Tobacco.	48	203. Edges, B. D., Henderson. Tobacco.
174. Burge & May, Carrollton. Tobacco.	48	204. Edwards, Robert C., Louisville. Tobacco.
175. Burnett, J. A., & Son, Paducah. Tobacco.	48	205. Egan, W. H., Louisville. Tobacco.
176. Byrne, J. L., Simpson County. Tobacco.	48	206. Ellis, J. W., Louisville. Tobacco.
177. Cain, W. A., Spencer County. Tobacco.	48	207. Elmer, J. M., Louisville. Tobacco.
178. Calmese & Kinner, Winchester. Tobacco.	48	208. Farnes, Thomas W. C., Louisville. Tobacco.
179. Caloway & Adams, Shelbyville. Tobacco.	48	209. Farnes, John & Son, Louisville. Tobacco.
180. Carroll, M. H., Fairview. Tobacco.	48	210. Farnes, E. C., Louisville. Tobacco.
181. Carroll, R. B., Fairview. Tobacco.	48	211. Farnes, W. & A. Farnes. Tobacco.
182. Carroll, Wm., Hopkinsville. Tobacco.	48	212. Ferguson & Co., Louisville. Tobacco.
183. Caskey & Bailly, Pembroke. Tobacco.	48	213. George, J. B., Louisville. Tobacco.
184. Cassidy, S. H., & Co., Caldwell County. Tobacco.	48	214. George, J. B., Louisville. Tobacco.
185. Chilton, J. S., Eminence. Tobacco.	48	215. Goble, T. W., Louisville. Tobacco.
186. Clardy, J. D., Newstead. Tobacco.	48	216. Goble & Co., Louisville. Tobacco.
187. Clardy & Son, Gracey. Tobacco.	48	217. Goff, W. F., Louisville. Tobacco.
188. Clarke, W. H., & Co., Owensboro. Tobacco.	48	218. Gorman, T. W., Louisville. Tobacco.
189. Clubb, Claude, Eminence. Tobacco.	48	219. Gorman, T. W., Louisville. Tobacco.
190. Cogar, I. L., Versailles. Tobacco.	48	220. Gorman, T. W., Louisville. Tobacco.
191. Cohn, Andrew, Logan County. Tobacco.	48	221. Gorman, T. W., Louisville. Tobacco.
192. Coleman, R. E., Beverly. Tobacco.	48	222. Gorman, T. W., Louisville. Tobacco.
193. Congleton, B. F., & Co., Oaklawn Mills. Tobacco.	48	223. Gorman, T. W., Louisville. Tobacco.
194. Cooper, W. F., Hopkinsville. Tobacco.	48	224. Gorman, T. W., Louisville. Tobacco.
195. Corbin & Son, Owensboro. Tobacco.	48	225. Gorman, T. W., Louisville. Tobacco.
196. Cotton & Ramsey Bros., Madisonville. Tobacco.	48	226. Gorman, T. W., Louisville. Tobacco.
197. Cowherd, G. A. L., Hart County. Tobacco.	48	227. Gorman, T. W., Louisville. Tobacco.
198. Crenshaw, B., Versailles. Tobacco.	48	228. Gorman, T. W., Louisville. Tobacco.
199. Curtis, W. D., Springfield. Tobacco.	48	229. Gorman, T. W., Louisville. Tobacco.

## Tobacco.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
231. Howerton, W. H., Spencer County. Tobacco.	48	262. Miller & Crenshaw, Roaring Sp Tobacco.	
232. Howerton & Stoker, Paris. Tobacco.	48	263. Miles, S. W., Daviess County. Tobacco.	
233. Hudson, S. E., Allen County. Tobacco.	48	264. Moore, J. H., Henry Co. Tobacco.	
234. Ingels, Boon, Oakland Mills. Tobacco.	48	265. Moore, Thos., Owenton. Tobacco.	
235. Jameson, R. L., Paris. Tobacco.	48	266. Murphy, J. T., Paducah. Tobacco.	
236. Jennings, W. C., Paris. Tobacco.	48	267. Murray, C. H., Monroe County. Tobacco.	
237. Jernigan, S. B., & Co., Simpson County. Tobacco.	48	268. Nance, George, Daviess County. Tobacco.	
238. Jewell, G. C., Barren County. Tobacco.	48	269. New Enterprise, T. W. Co., Louisville. Tobacco.	
239. Johnson, Jas., Taylor County. Tobacco.	48	270. O'Brien, E. J., & Co., Louisville. Tobacco.	
240. Jones, M. L., Breckenridge County. Tobacco.	48	271. Overstrut, E. P., Paducah. Tobacco.	
241. Jourdan, W., Paducah. Tobacco.	48	272. Owen, S. Price, Louisville. Tobacco.	
242. Kentucky Tobacco Growers' Association, Louisville. Tobacco.	48	273. Peoples, W. H., Hopkinsville. Tobacco.	
243. Lamar, E. L., Daviess County. Tobacco.	48	274. Phelps, J. S., & Co., Louisville. Tobacco.	
244. Lawrence, Jas., Winchester. Tobacco.	48	275. Poindexter, J. A., Hart County. Tobacco.	
245. Lecompte, C. O., Shelbyville. Tobacco.	48	276. Polk, J. G., Spencer County. Tobacco.	
246. Lindsay, C. B., Carroll Co. Tobacco.	48	277. Pool, Clay, Barren County. Tobacco.	
247. Logan, J. A., Christiansburg. Tobacco.	48	278. Ragsdale, W. E., Hopkinsville. Tobacco.	
248. Louisville Leaf Tobacco Exchange, Louisville. Fine burley wrapper tobacco.	48	279. Ray & Co., Louisville. Tobacco.	
249. Lowry, W. A., Hopkinsville. Tobacco.	48	280. Rice, W. C., Caldwell County. Tobacco.	
250. Lowry & McKee, Casky. Tobacco.	48	281. Rickman, G. H., Casky. Tobacco.	
251. Lowther, R. M., Owenston. Tobacco.	48	282. Rickman, R. G., Casky. Tobacco.	
252. Maguiar, T. A., Shelbyville. Tobacco.	48	283. Robbins, W. C., Graves County. Tobacco.	
253. Martin, R. M., Louisville. Tobacco.	48	284. Rudolph, J. W., McCracken County. Tobacco.	
254. Mason, Thos., Daviess County. Tobacco.	48	285. Russell, W. C., Newcastle. Tobacco.	
255. Mayfield, B. F., Daviess County. Tobacco.	48	286. Russell, W. N., Daviess County. Tobacco.	
256. McCorley, J. S., Logan County. Tobacco.	48	287. Seay, J. W., Monroe County. Tobacco.	
257. McKee, Chas., Casky. Tobacco.	48	288. Shuck, G. W., Shelbyville. Tobacco.	
258. Meguiar, Harris Co., Louisville. Tobacco.	48	289. Small & Simmons, Daviess County. Leaf tobacco.	
259. Messingschlager, M., Kenton County. Tobacco.	48	290. Smith, G. W., Calloway County. Tobacco.	
260. Meyers, G. W., Paducah. Tobacco.	48	291. Smith, J. B., Todd County. Tobacco.	
261. Miller, W. E. & D. C., Owensboro. Tobacco.	48	292. Snook, A. M., Shelbyville. Tobacco.	
		293. Soper, R. H., & Co., Henderson. Tobacco.	

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## Tobacco.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
231. Howerton, W. H., Spencer County. Tobacco.	48	262. Miller & Crenshaw, Roaring Sp. Tobacco.	48
232. Howerton & Stoker, Paris. Tobacco.	48	263. Miles, S. W., Daviess County. Tobacco.	48
233. Hudson, S. E., Allen County. Tobacco.	48	264. Moore, J. H., Henry Co. Tobacco.	48
234. Ingels, Boon, Oakland Mills. Tobacco.	48	265. Moore, Thos., Owenton. Tobacco.	48
235. Jameson, R. L., Paris. Tobacco.	48	266. Murphy, J. T., Paducah. Tobacco.	48
236. Jennings, W. C., Paris. Tobacco.	48	267. Murray, C. H., Monroe County. Tobacco.	48
237. Jernigan, S. B., & Co., Simpson County. Tobacco.	48	268. Nance, George, Daviess County. Tobacco.	48
238. Jewell, G. C., Barren County. Tobacco.	48	269. New Enterprise, T. W. Co., Louisville. Tobacco.	48
239. Johnson, Jas., Taylor County. Tobacco.	48	270. O'Brien, E. J., & Co., Louisville. Tobacco.	48
240. Jones, M. L., Breckenridge County. Tobacco.	48	271. Overstrut, E. P., Paducah. Tobacco.	48
241. Jourdan, W., Paducah. Tobacco.	48	272. Owen, S. Price, Louisville. Tobacco.	48
242. Kentucky Tobacco Growers' Association, Louisville. Tobacco.	48	273. Peoples, W. H., Hopkinsville. Tobacco.	48
243. Lamar, E. L., Daviess County. Tobacco.	48	274. Phelps, J. S., & Co., Louisville. Tobacco.	48
244. Lawrence, Jas., Winchester. Tobacco.	48	275. Poindexter, J. A., Hart County. Tobacco.	48
245. Lecompte, C. O., Shelbyville. Tobacco.	48	276. Polk, J. G., Spencer County. Tobacco.	48
246. Lindsay, C. B., Carroll Co. Tobacco.	48	277. Pool, Clay, Barren County. Tobacco.	48
247. Logan, J. A., Christiansburg. Tobacco.	48	278. Ragsdale, W. E., Hopkinsville. Tobacco.	48
248. Louisville Leaf Tobacco Exchange, Louisville. Fine burley wrapper tobacco.	48	279. Ray & Co., Louisville. Tobacco.	48
249. Lowry, W. A., Hopkinsville. Tobacco.	48	280. Rice, W. C., Caldwell County. Tobacco.	48
250. Lowry & McKee, Casky. Tobacco.	48	281. Rickman, G. H., Casky. Tobacco.	48
251. Lowther, R.M., Owenston. Tobacco.	48	282. Rickman, R. G., Casky. Tobacco.	48
252. Maguiar, T. A., Shelbyville. Tobacco.	48	283. Robbins, W. C., Graves County. Tobacco.	48
253. Martin, R. M., Louisville. Tobacco.	48	284. Rudolph, J. W., McCracken County. Tobacco.	48
254. Mason, Thos., Daviess County. Tobacco.	48	285. Russell, W. C., Newcastle. Tobacco.	48
255. Mayfield, B.F., Daviess County. Tobacco.	48	286. Russell, W. N., Daviess County. Tobacco.	48
256. McCorley, J. S., Logan County. Tobacco.	48	287. Seay, J. W., Monroe County. Tobacco.	48
257. McKee, Chas., Casky. Tobacco.	48	288. Shuck, G. W., Shelbyville. Tobacco.	48
258. Meguiar, Harris Co., Louisville. Tobacco.	48	289. Small & Simmons, Daviess County. Leaf tobacco.	48
259. Messingschlager, M., Kenton County. Tobacco.	48	290. Smith, G. W., Calloway County. Tobacco.	48
260. Meyers, G. W., Paducah. Tobacco.	48	291. Smith, J. B., Todd County. Tobacco.	48
261. Miller, W. E. & D. C., Owensboro. Tobacco.	48	292. Snook, A. M., Shelbyville. Tobacco.	48
		293. Soper, R. H., & Co., Henderson. Tobacco.	48

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## Tobacco, Animal and Vegetable Fibres.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
294. Standard Tobacco Works, Louisville. Tobacco.	48	325. White, Jesse, Barren County. Tobacco.	48
295. Steele & Batts, Versailles. Tobacco.	48	326. White, J. W., Shelbyville. Tobacco.	48
296. Stegar, J. W., Caldwell County. Tobacco.	48	327. White, Romsdale & Co., Monroe Co. Tobacco.	48
297. Stevens, R., Spencer County. Tobacco.	48	328. Whitefield, W. G., Paducah. Tobacco.	48
298. Stoker, H., Paris. Tobacco.	48	329. Whiteley, W. E., Daviess County. Tobacco.	48
299. Stone, W. S., Caldwell County. Tobacco.	48	330. Wiley, D. G., Hopkinsville. Tobacco.	48
300. Stowe, G. H., Julian. Tobacco.	48	331. Wilkes, J., Todd County. Tobacco.	48
301. Sutton, Geo. D., Butler County. Tobacco.	48	332. Wille, J. & Co., Paducah. Tobacco.	48
302. Tandy, E. R., Logan County. Tobacco.	48	333. Williams, Joe H., Pembroke. Tobacco.	48
303. Taylor, E. P., Daviess County. Tobacco.	48	334. Williams & Taylor, Pembroke. Tobacco.	48
304. Thomas & Co., Maysville. Tobacco.	48	335. Willis, J. P., Tremble County. Tobacco.	48
305. Thomas, J. W., & Son, Paris. Tobacco.	48	336. Wilson, G. W., Owenton. Tobacco.	48
306. Tompkins, H. P., Owensboro. Tobacco.	48	337. Wilson, J. S., Paris. Tobacco.	48
307. Thompson, G. D., Hopkinsville. Tobacco.	48	338. Wood, G. H., Sinking Fork. Tobacco.	48
308. Thompson, J. W., Washington Co. Tobacco.	48	339. Woodall, A., Caldwell County. Tobacco.	48
309. Thornton, W. A., Lebanon. Tobacco.	48	340. Wright, T. B., Hopkinsville. Tobacco.	48
310. Threckeld & Alexander, Harrodsburg. Tobacco.	48	341. Younker, J. A., Paducah. Tobacco.	48
312. Tobacco Trade of Hopkinsville. Black wrapper tobacco.	48		
313. Tompkins, A. C., Owensboro. Tobacco.	48		
314. Tompkins, A. C., & Co., Owensboro. Tobacco.	48		
315. Turpin & Wood, Owensboro. Tobacco.	48		
316. Vaughn, G., & Co., Louisville. Tobacco.	48		
317. Walker, J. B., Hopkinsville. Tobacco.	48		
318. Walker, Jno. D., Lexington. Tobacco.	48		
319. Waltman, A. F., McCracken Co. Tobacco.	48		
320. Ware Tobacco Co., Hopkinsville. Tobacco.	48		
321. Weir, W. H., & Co., Hopkins Co. Tobacco.	48		
322. Wells, A. L., Waysville. Tobacco.	48		
323. West, W. M., Hopkinsville. Tobacco.	48		
324. White, Dunkerson & Co., Louisville. Tobacco.	48		

## GROUP 9.

342. Blargrave, J., Versailles. Hemp.	59
343. Bohannon, J. L., Versailles. Hemp.	59
344. Brent, C. S., Paris. Hemp.	59
345. Caruthers, Adam, Shelbyville. Hemp.	59
346. Cecil, C. P., Danville. Hemp.	59
347. Clay, Cassius M., White Hall. Wool.	60
348. Cox, Charles, Versailles. Hemp.	59
349. Evans, J. O., Danville. Hemp.	59
350. Evans, R. G., Danville. Hemp.	59
351. Fisher, R. M., Danville. Wool.	60
352. Garrett, J. M., Ft. Garrett. Hemp.	59
353. Gay, D. S., Winchester. Hemp.	59
354. Gray, D. S., Winchester. Hemp.	59
355. Guthrie, Morris, Shelbyville. Hemp and hemp seed.	59
356. Harris, John, Danville. Hemp.	59
357. Hurst, F. K., Versailles. Hemp.	59
358. Hutchcraft, R. B., Paris. Hemp.	59
359. Kentucky Experiment Station, Lexington. Flax and flax seed.	59

## Animal and Vegetable Fibres.

Exhibit No.	Class'n No.
360. King, M. B., Church Hill. Wool.	60
361. Logan, J. A., Christiansburg. Hemp and hemp seed.	59
362. Loughridge, Lexington. Hemp.	59
363. Lowell, D. E., Rabbit Hash. Wool.	60
364. McCarley, W. P., Versailles. Hemp.	59
365. McGoodwin, Eugene, Danville. Wool.	60
366. Morgan, R. C. & Co., Lexington. Hemp.	59
367. Morgan & Co., Lexington. Hemp.	59
368. Nelson, H. B., & Bro., Lexington. Hemp.	59

Exhibit No.	Class'n No.
369. Offutt, E. N., & Co., George Hemp.	
370. Owens, H., Ft. Garrett. Hemp.	
371. Radey, Isham, Versailles. Hemp.	
372. Steele, W. L., Nicholasville. seed.	
373. Turner, W. J., Versailles. Hemp.	
374. United States Fiber Co., Jac Miss. Hemp.	
375. Vimont, F. L., Millersburg. V	
376. Voris & Cassell, Vurgin. Hemp.	
377. Winn, John, Versailles. Hemp.	
378. Winston, A., Lexington. Hemp.	

## LOUISIANA.

## LOCATION—SEC. C. S. E. QUARTER.

## Cereals, Sugars, Farm Products, Fibres, Forestry.

## GROUP 1.

Exhibit No.	Class'n No.
1. Louisiana, State of.	
a Wheat.	1
b Corn.	2
c Oats.	3
d Barley.	4
e Rye.	5
f Timothy and grasses.	8
g Clovers and millet.	9

## GROUP 3.

2. Louisiana Sugar Exchange. Sugar cane, methods and manner of producing sugar and molasses, and plantation sugar and molasses.	17
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## GROUP 4.

3. Louisiana, State of. Peanuts.	31
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## GROUP 5.

4. Louisiana, State of. Beans and peas.	32
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## GROUP 8.

5. Louisiana, State of. Leaf and perique tobacco.	48
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## GROUP 9.

Exhibit No.	Class'n No.
6. Louisiana, State of.	
a Cotton.	
b Cotton seed, cotton seed hulls cotton seed meal and cake.	

## GROUP 17.

7. Louisiana. Soils.	
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## GROUP 18.

8. Louisiana, State of. Cotton seed oil Exhibits Classified in Other Departments but Installed in This.	
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## DEPARTMENT N.

## Forestry and Forest Products.

9. Crescent City Moss Ginney, N Orleans. Spanish moss, green and cured.	
10. Mechanics', Dealers' and Lumbermen's Exchange of New Orleans. A beech, cypress, gum, holly, pine, or cypress knees, magnolia, hickory, mulberry, elm, varieties of woods, Spanish moss, green and cured.	

## MAINE.

LOCATION—SEC. D.—S. W. QUARTER.

Cereals, Grasses, Sugars, Root Crops.

## GROUP 1.

Exhibit No.	Class No.
1. Blodgett, Geo. H., Bowdoinham.	2
Corn.	2
2. Blossom, L. H., South Turner.	2
a Corn.	2
b Barley.	4
3. Bradford, E. F., Wayne. Wheat.	1
4. Briggs, D. J., South Turner. Corn.	2
5. Butler, Alonzo, Union. Wheat.	1
6. Cheen, S. W. L., Exeter Mills. Barley.	4
7. Day, Prentiss, Kennebunk.	4
a Barley.	4
b Rye.	5
8. Eastman, A. A., Dexter. Buckwheat.	7
9. Farrer, Harry, South Paris. Oats.	3
10. Hardison, H. S., Caribou.	1
a Wheat.	8
b Oats.	4
c Barley.	3
11. Jerrard, Geo. W. P., Caribou. Oats.	3
12. Johnson, N., Springfield. Corn.	2
13. Littlefield, O. W., Augusta. Barley.	4
14. McKeen, A. W., North Fryeburg.	3
Oats.	3
15. Meader, O., Albion. Corn.	2
16. Phinney, W. H., Machias.	1
a Wheat.	1
b Barley.	4
17. Pinkham, N. C., Bolster's Mills.	1
a Wheat.	1
b Corn.	2
18. Roberts, Dimon, Goodwin's Mills.	4
a Barley.	4
b Rye.	5
19. Smart, Jesse, North Turner. Rye.	5
20. Smith, C. E., Boothbay. Oats.	3
21. Soell, H. H., Riverside.	1
a Wheat.	1
b Oats.	3
c Barley.	4
d Rye.	5
22. Sprague, E. B., Bowdoinham. Corn.	2
23. Sweetser, C. S., North Yarmouth.	3
Oats.	3
24. Taylor, J. H., Kennebunk. Wheat.	1
25. Taylor, J. M., Kennebunk. Rye.	5

Exhibit No.	Class No.
26. Tucker, Herbert M., South Paris.	2
a Corn.	1
b Barley.	4
c Rye.	5
27. Upton, H. N., Bethel.	1
a Wheat.	1
b Corn.	2
28. Willey, B. F., Cherryfield.	1
a Wheat.	1
b Oats.	3
29. Willey, E. D., Clinton.	1
a Wheat.	1
b Corn.	2
c Oats.	3
30. Yeaton, J. H., Augusta. Oats.	3

## GROUP 3.

31. Greely, C. H., Clinton. Honey.	26
32. Hoyt, W., Ripley. Honey.	26
33. Meader, O., Albion. Maple syrup.	21
34. Norton, W. H., Skowhegan. Honey.	26
35. Wheeler, C. J., Chesterville. Maple syrup.	21

## GROUP 4.

36. Edgcomb, S. P., Belfast. Turnips.	30
37. Edgerly, E. E., Princeton. Carrots.	30
38. Jerrard, Geo. W. P., Caribou. Potatoes.	28
39. King, S. M., South Paris. Beets.	29
40. McFadden, Orrin, Cedar Grove. Carrots.	30
41. Pinkham, N. C., Bolster's Mills.	29
a Beets.	29
b Turnips.	30
42. Snell, H. H., Riverside. Carrots.	30
43. Spaulding, G. W., North Anson. Carrots.	30
44. Taylor, J. H., Kennebunk.	29
a Beets.	29
b Turnips and carrots.	30
45. Tucker, Herbert M., South Paris.	29
a Beets.	29
b Turnips.	30
46. White, H. P., Swanville. Turnips.	30
47. Willey, E. D., Clinton. Turnips and carrots.	30

## Farm Products, Dairy Products, Fibres, Culinary Vegetables.

## GROUP 5.

Exhibit No.	Class'n No.
48. Allen, Carter, Hampden Centre. Beans.	32
49. Edgerly, E. E., Princeton. Beans.	32
50. Fernald, Eliot, Saco. Beans.	32
51. French, Moses, & Son, Solon. Beans.	32
52. Johnson, D. B., Freedom. Beans.	32
53. King, S. M., South Paris. Beans.	32
54. Luce, W. A., So. Union. Beans.	32
55. Norcross, M. F., Winthrop. Beans.	32
56. Plummer, James, South Dover. Beans.	32
57. Smart, Jesse, North Troy. Pease.	32
58. Snell, H. H., Riverside. Pease and beans.	32
59. Spalding, G. W., North Anson. Pease.	32
60. Taylor, J. H. Pease.	32
61. Tucker, Herbert M., South Paris. Pease.	32
62. Upton, N. H., Bethel. Pease.	32
63. Watson, S. C., Oakland. Beans.	32
64. Willey, E. D., Clinton. Pease.	32
65. Woodbury, C. H., Exeter Mills. Beans.	32

## GROUP 7.

## Dairy Building.

66. Brook Farm Creamery, Foxcroft. Butter.	42
67. Cape Elizabeth Creamery, Cape Elizabeth.	42
68. Creamery Butter Company, West Paris. Butter.	42
69. East Pittston Creamery, Pittston. Butter.	42
70. Haines, A. L., Fort Fairfield. Cheese.	43
71. Livermore Dairying Association, Livermore. Butter.	42

## Exhibit No.

72. Meader, O., Albion. Butter.	
73. Norcross, M. F., Winthrop. Cheese.	
74. Perley, C. J., Cross Hill. Butter.	
75. Porter, Ira J., Houlton. Butter.	
76. Riverside Creamery, Foxcroft. Butter.	
77. Robbins, Mrs. M. L., Winthrop. Butter.	
78. Russell, A. P., North Turner. Butter.	
79. Snowhegan Jersey Creamery, Snowhegan. Butter.	
80. Turner Centre Creamery, Turner. Butter.	

## GROUP 9.

81. Bretman, J. O., Readfield. Wool.	
82. Day, Prentiss, Kennebunk. Wool.	
83. Deane, C. H., Livermore Falls. Wool.	
84. Flint, Geo., North Anson. Wool.	
85. Longley, J. B., Palmyra. Wool.	
86. Plummer, James, South Dover. Wool.	
87. Porter, S. W., Houlton. Wool.	

Exhibits Classed in other Department but Installed in This.

## DEPARTMENT B.

## GROUP 23.

## Culinary Vegetables.

88. Nutter, W. B., Cape Elizabeth. Cabbage.	
89. Russell, Jackson, Waldoboro. Cabbage.	

## MASSACHUSETTS.

LOCATION—SEC. D. S. W. QUARTER.

Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class's No.	Exhibit No.	Class's No.
1. Allen, J. W., Amherst. Corn.	2	27. Frissell, Homer, Peru. Oats.	3
2. Averill, Geo. L., North Andover. Corn.	2	28. Frissell, John, Peru. Barley.	4
3. Bancroft, Wm. L., Chesterfield. Corn.	2	29. Frissell, John Z., Peru. Oats.	3
4. Barlow, Henry, & Sons, Peru. Wheat.	1	30. Goddard, Mrs. M. T., Newton. Corn.	2
5. Bates, Edwin, Lynn. Corn.	2	31. Gulliver, J. F., Andover. Corn.	2
6. Benton, John B., Barre. Corn.	2	32. Hayward, Monroe, Agawam. Corn.	2
7. Berry, Albert, North Andover. Corn.	2	32a. Hindley, S. K., Spencer. Grass.	8
8. Bigelow, J. R. & D. F., Petersham. a Corn.	2	33. Holcomb, Geo. W., Chester. Oats.	3
b Oats.	8	33a. Howe, E. D., Marlboro. Millet.	8
9. Birnie, Chas. A., Longmeadow. Corn.	2	34. Judd, C. A., South Hadley. Corn.	2
10. Boatwell, Wm. L., Leverett. Corn.	2	35. Kellogg, Frank N., Sheffield. Rye.	5
11. Bradford, Ralph H., South Egremont. Buckwheat.	7	36. Kent, G. L., Belchertown. a Corn.	2
12. Buell, C. L., Ludlow. Corn.	2	b Buckwheat.	7
13. Busby, Leon M., Monterey. Corn.	2	37. Kent, G. S., Belchertown. a Oats.	3
14. Carpenter, G. H., South Hadley. Grasses.	8	b Grasses.	8
14a. Clark, Geo. H., Hadley. Corn.	2	39. Kingsley, H. H., Spencer. Buckwheat.	7
15. Cowles, Oliver, Amherst. Corn.	2	40. Larkin, C. B., Buckland. Corn.	2
16. Crabtree, Sumner, Natick. Corn.	2	41. Lawton, Charles, Leverett. Corn.	2
17. Cutting, Walter, Pittsfield. a Corn.	2	42. Leonard, Spencer, Bridgewater. Corn.	2
b Oats.	3	43. Lincoln, F. W., Oakham. Rye.	5
c Buckwheat.	7	44. Lincoln, H. W., Oakham. a Corn.	2
d Grasses.	8	b Buckwheat.	7
18. Deming, Amos, Sayre. a Corn.	2	45. Longfellow, Andrew S., Groveland. Corn.	2
b Oats.	3	46. Massachusetts Agricultural College, Amherst. a Corn.	2
c Barley.	4	b Rye.	5
d Grass.	8	c Millet and bean vines.	8
19. De Wolf, Geo. H., Mendon. Corn.	2	47. McIntosh, Wm. W., Nantucket. a Corn.	2
20. Dickinson, F. M. & Son, Belchertown. Corn.	2	b Oats.	3
21. Dillon, J. C., Amherst. Corn.	2	48. Newton, N. Clark., North Hadley. Corn.	2
22. Dodge, Wm. H., Cheshire. Corn.	2	49. Nichols, H. W., Sturbridge. a Oats.	3
23. Fairbanks, Chas. W., Charlemont. Corn.	2	b Barley.	4
24. Fisher, E. N., Ludlow. Corn.	2	c Rye.	5
25. Flinders, Albert J., Chilmark. Corn.	2	50. Osborne, L. T., Alford. Corn.	2
26. Frissell, D. & Sons., Peru. a Wheat.	1	51. Parker, Geo. M., New Lenox. a Corn.	2
b Oats.	3	b Oats.	3
c Barley.	4		
d Buckwheat.	7		

## Cereals, Sugars, Farm Products, Tobacco, Etc.

Exhibit No.	Class'n No.
52. Pease, Jerome, Wilbraham.	
<i>a</i> Corn.	2
<i>b</i> Oats.	3
53. Phelps, Martin A., Blandford.	Corn. 2
54. Plantiff, F. L., Belchertown.	Corn. 2
55. Pratt, Preston, South Weymouth.	Corn. 2
56. Randall, Eugene, Belchertown.	Corn. 2
57. Randall, N., & Son, Belchertown.	Corn. 2
58. Randolph, A. A., Mendon.	Corn. 2
59. Rogers, George A., North Andover.	Corn. 2
60. Ryan, Patrick, No. Hadley.	Corn. 3
61. Sanderson, H. G., Sunderland.	Corn. 3
62. Sanford, E. B., Belchertown.	
<i>a</i> Corn.	2
<i>b</i> Barley.	4
63. Smith, Asa, Chilmark.	Corn. 3
64. Smith, C. K., Sunderland.	Corn. 2
65. Smith, H. B., & Son, Chesterfield.	Corn. 2
66. Smith, Newton, South Hadley.	Corn. 2
67. Squires, E. S., Worthington.	
<i>a</i> Oats.	3
<i>b</i> Buckwheat.	7
68. Stebbins, C. E., South Deerfield.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Oats.	8
<i>d</i> Barley.	4
<i>e</i> Rye.	5
69. Tyler, M. H., Greenfield.	Corn. 2
70. Warren, Edward, Spencer.	Corn. 2
71. Williams, F. R., Sunderland.	Corn. 2

## GROUP 3.

72. Hubbard, Parker, Sunderland. Maple sugar. 21

## GROUP 4.

73. Clarke, Milford H., Sunderland. Onions. 30  
 74. Comegus, H. C., Hadley. Potatoes. 28

Exhibit No.	Class'n No.
75. French, W. A., Petersham.	Potatoes
76. Gunn, E. R., South Deerfield.	Oats
77. Kinney, F. J., Worcester.	Potatoes
78. Lawton, Charles, Leverett.	Onions
79. Smith, C. S., Amherst.	Potatoes

## GROUP 5.

80. Barras, Alvan, Goshen. Beans.  
 81. Bigelow, J. R., & D. F., Petersham. Beans.  
 82. Salmon, H. L., & I. B., Richmond. Beans.  
 83. Whipple, Curtis, Charlemont. Beans.

## GROUP 8.

84. Brell, John, Hadley. Leaf tobacco.  
 85. Fowler, C. F., Westfield. Leaf tobacco.  
 86. Graves, Cephas, Sunderland. Leaf tobacco.  
 87. Newton, N. Clark, North Hadley. Leaf tobacco.  
 88. Searle, H. J., Northampton. Leaf tobacco.  
 89. Shiderton, Charles, Hadley. Leaf tobacco.

## GROUP 14.

90. Massachusetts State Board of Agriculture, Boston.  
*a* Collection of charts, tables and reports.  
*b* Exhibit of stuffed specimens of numerous varieties of birds known feed on the Gysey moth.

## GROUP 18.

91. Massachusetts Agricultural College, Mass. Flax seed.

## MICHIGAN.

## LOCATION SEC. D. - S. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class No.	Exhibit No.	Class No.
1. Abbott, Mrs. M. A., Litchfield. Corn.	2	18. Case, Arthur, Jackson. Oats.	2
12. Abby, N. B., Allendale. Corn.	2	18a. Carben, J., Cold Water. Wheat.	1
2. Affey, N. B., Allendale. Wheat.	1	18b. Carman, Beal. Wheat.	1
2a. Arnold, Ely, Big Rapids. Wheat.	1	19. Carman, E. H., Petterville. Wheat.	1
2 Wheat.	1	20. Case, A. B., Oxford. Corn.	2
2 Oats.	3	21. Case, J. E., Oxford. a Wheat.	1
2 Grasses.	8	21. Case, J. E., Oxford. b Corn.	2
3. Atwell, S., Jackson. Wheat.	1	22. Chase, E. A., Cambria. Corn.	2
4. Austin, J., Ovid. Wheat.	1	23. Chertant, D. E., Hillsdale. Corn.	2
4a. Avery, D. L., Sturges. a Wheat.	1	24. Chipman, A. B., Owasso. Oats.	3
4 Wheat.	1	25. Clark, E. R., Ensley. Corn.	2
4 Corn.	2	26. Clark, J. M., Big Rapids. Corn.	2
4 Buckwheat.	7	27. Clemens, William, Saline. a Wheat.	1
4 Clover seed.	9	27. Clemens, William, Saline. b Corn.	2
4b. Avery, Gregory, Glen. Wheat.	1	27. Clemens, William, Saline. c Oats.	2
5. Bates, Joe, St. Johns. Oats.	3	28. Clement, D. E., Hillsdale. Corn.	2
6. Baxter, E. P., Fayette. Oats.	3	29. Cobb, D. F., Litchfield. Corn.	2
7. Baxter, G. R., Hillsdale. a Wheat.	1	30. Cobb, S. D., Stockbridge. Corn.	2
7 Wheat.	1	31. Coeless, J., Coldwater. Wheat.	1
7 Corn.	2	32. Cole, L. F., Charlotte. Wheat.	1
7 Clover.	9	33. Cook, L. S., Fitchburg. White oats.	3
7a. Beck, Carrie, Fayette. Wheat.	1	34. Cook, L. S., Stockbridge. Wheat.	1
8. Betridge, Emma, Grand Rapids. Corn.	2	35. Crane, H. B., Litchfield. Wheat.	1
8a. Better, J. Z., Riga. Corn.	2	36. Crawford, A. T., Jackson. Corn.	2
9. Black, Thomas, Ann Arbor. Corn.	2	37. Crawford, E. R., Reading. Barley.	4
10. Bliss, Horace, Parker Corners. Oats.	3	38. Crawford, N. D., Jackson. Corn.	2
11. Boad, John, Onkama. Wheat.	1	39. Crawford, Newton, Coldwater. Wheat.	1
12. Brackford, J. P., Lester. Buckwheat.	7	40. Cummings, Geo. J. W., Hillsdale. Corn.	2
12a. Brender, P. A., Otsego. Wheat.	1	40a. Dewey, Peter, Jackson. a Wheat.	1
13. Brown, Field, Woodbridge. Wheat.	1	40a. Dewey, Peter, Jackson. b Oats.	2
14. Brown, John M., Ann Arbor. a Wheat.	1	40a. Dewey, Peter, Jackson. c Rye.	5
14 Wheat.	1	40a. Dewey, Peter, Jackson. d Buckwheat.	7
14 Corn.	2	41. Davis, C. G., Pittsford. Oats.	3
14 Oats.	3	42. Deland, Vic., Jackson. Corn.	2
15. Barginaadt, Fred, Stockbridge. a Wheat.	1	43. Dennison, H. C., Ada. Corn.	2
15 Wheat.	1	44. Deansmore, R., Dansville. Red clover.	9
15 Oats.	3	45. Dewey, P., Jackson. a Corn.	2
16. Butridge, Emma, Grand Rapids. a Wheat.	1	45. Dewey, P., Jackson. b Oats.	3
16 Wheat.	1	45. Dewey, P., Jackson. c Rye.	5
16 Corn.	3	45. Dewey, P., Jackson. d Buckwheat.	7
17. Cady, Peter, Jackson. Pop corn.	2	46. Dodge, John, Hillsdale. Wheat.	1
		47. Doney, E. T., Jackson. Wheat.	1
		48. Dony, O., Jackson. Wheat.	1

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	
49. Elder, Joseph, Pierson.		80. Howfett, Robt., Dansville.	
a Rye.	5	a Wheat.	
b Buckwheat.	7	b Barley.	
50. Fasit, C. R., Litchfield. Corn.	2	81. Hurtzel, Fred, Ann Arbor.	
50a. Faverite, T., Brookfield. Rye.	5	a Wheat.	
51. Faverite, Thomas, Eaton Rapids.		b Corn.	
a Wheat.	1	c Oats.	
b Oats.	3	d Rye.	
c Buckwheat.	7	82. Hutzal, Fred, Ann Arbor. Wheat.	
52. Ford, C. R., Litchfield. Corn.	2	83. Ingram, O., Litchfield. Rye.	
52a. Fowler, J. A., Ottawa Lake. Corn.	2	84. Isham, Willis, Plainfield. Corn.	
53. Freeman, H. E., Owosso. Wheat.	1	85. Jackson, James, Stockbridge.	
54. Freeman, R. W., Litchfield.		a Wheat.	
a Wheat.	1	b Corn.	
b Oats.	3	85a. Jenison, B. W., St. Johns. Clover seed.	
c Clover.	9	86. Jennings, Geo. W., Hillsdale. Corn.	
55. French, John, Cambria. Orchard grass.	8	86a. Jewett, A. W., Mason.	
55a. Gaion, B. F., Riga. Corn.	2	a Wheat.	
55b. Gamson, W., Pontiac. Rye.	5	b Corn.	
56. Garison, Wm., Pontiac.		c Oats in head and straw.	
a Wheat.	1	d Barley.	
b Corn.	2	e Rye.	
57. Garvey, L. C., Woodbridge. Corn.	2	f Grasses.	
58. Gessler, Wm., St. Johns.		87. Johnson, Prosper P., Gairland. Wheat.	
a Oats.	3	88. Jones, S., Henderson. Wheat.	
b Millet.	8	89. Katchan, W. M., Ann Arbor. Millet.	
59. Genison, B. W., St. Johns. Red clover seed.	9	90. Kaviland, W. S., Stockbridge. Corn.	
59a. George, J., Waterloo. Rye.	5	91. Keeler, Samuel, Bear lake. Corn.	
60. Gerway, T. C., Woodbridge. Corn.	2	91a. Kiesing, A. G. Oats.	
61. Granson, W. T., Pontiac. Corn.	2	92. Kline, A. W., Litchfield. Wheat.	
62. Green, A. E., Walled Lake. Corn.	2	93. Kruze, E., Charlotte.	
63. Green, H. A., North Farmington. Oats.	3	a Wheat.	
64. Hague, Martha, Stockbridge.		b Oats.	
a Wheat.	1	93a. Kylor, J., Eaton Rapids. Wheat.	
b Oats.	3	94. Lawton, E. P., Cooperville. Oats.	
65. Hanland, W., Plainfield. Corn.	2	94a. Lazell, C., Napoleon.	
66. Hanland, W., Stockbridge. Corn.		a Corn.	
a Oats.	2	b Buckwheat.	
67. Harrison, Wm., Pontiac. Oats.	3	c Millet.	
68. Hasky, J. H., Easley. Corn.	2	95. Litus, A. C., Fitchburg.	
69. Hatch, L. F., Berlin. Corn.	2	a Wheat.	
70. Haviland, W. S., Hillsdale. Corn.	2	b Oats.	
70a. Hewlett, Robert, Dansville. Wheat.	1	c Barley.	
70b. Hewitt, A., Cambria. Wheat.	1	d Rye.	
71. Hewitt, E. L., Cambria. Wheat.	1	96. Lowe, Chas., Stockbridge. Wheat.	
72. Hewitt, L., Cambria. Corn.	2	98. Malcho, H., Stockbridge. Wheat.	
73. Hewitt, Peter, Cambria. Corn.	2	99. Matterson, S., Owosso. Wheat.	
74. Hewitt, T. B., Cambria. Corn.	2	100. McDougal, A. D., Hillsdale. Wheat.	
75. Hilman, W. S., Easley. Corn.	2	101. Michigan Agricultural College.	
76. Hodges, A. J., Jonesville.		a Wheat.	
a Wheat.	1	b Corn.	
c Corn.	2	c Oats.	
77. Hodges, A. J., Plainville. Corn.	2	d Buckwheat.	
78. Horton, F. P., Leon. Corn.	2	e Hungarian grass.	
79. Holt, J., Riga. Corn.	2	f Millet, grass and forage plants.	
80. Howey, Alvin, Cambria. Wheat.	1		

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
101a. Michigan, State of. Grains and grasses in straw and head, 3,000 samples.	1 to 10	135. Shaw, W. J., Plainfield. Corn.	2
102. Moore, A. T., North Farmington.		135a. Shearer, John, St. Johns. Corn.	2
a Wheat.	1	135b. Shabar, G. H., Massover. Clover seed.	9
b Oats.	3	135c. Small, Chas., Stockbridge. Wheat.	1
103. Moore, H. E., North Farmington.		136. Smead, E. H., Allendale.	
Wheat.	1	a Wheat.	1
104. Moore, H., Ensley. Wheat.	1	b Corn.	2
105. Nichols, Alva P., Charlotte. Sweet corn.	2	c Timothy seed.	8
106. Nichols, H., Stockbridge. Wheat.	1	137. Stanfield, Ed., Hillsdale.	
107. Nichols, W. C., Stockbridge. Wheat.	1	a Wheat.	1
108. Nokes, T. J., Churches Corners. Clover seed.	9	b Corn.	2
109. Nokes, F. N., Churches Corners. Wheat.	1	139. Stein, A. J., Charlotte. Clover seed.	9
110. Norris, C. S., Woodbridge. Barley.	4	140. Stein, W. M., Charlotte. Wheat.	1
111. Olsen, A., Gregory. Wheat.	1	141. Stevens, Geo., Stockbridge.	
112. Parker, E. A., Waterloo. Barley.	4	a Corn.	2
113. Parker, G. W., Victor. Wheat.	1	b Buckwheat.	7
114. Perabeck, J. C., Eaton Rapids. Wheat.	1	c Timothy seed.	8
115. Pierce, S., Chief. Buckwheat.	7	141a. Strays, G. A., Stockbridge. Corn.	2
116. Plumb, D. G., DeWitt. Wheat.	1	142. Strehl, M., Owosso.	
117. Quantrall, Wm., Charlotte. Corn.	2	a Wheat.	1
118. Rader, Wm., Maple Hill. Oats.	3	b Oats.	3
119. Randall, H. J., Pontiac. Barley.	4	142a. Thompson, C. E., Stockbridge. Sweet corn.	2
120. Randall, S. D., Coldwater. Wheat.	1	143. Thompson, B. B., Stockbridge. Wheat.	1
121. Rase, David, Manchester. Corn.	2	144. Thompson, Mrs. B. E., Stockbridge. Wheat.	1
122. Reed, A. B., Howard City. Wheat.	1	145. Thorn, G. L., Horton. Grass.	8
123. Reichhart, Geo., Plainfield. Corn.	2	145a. Titus, A. C., Fitchburgh.	
124. Reichart, J. G., Ann Arbor.		a Wheat.	1
a Wheat.	1	b Oats.	3
b Corn.	2	c Barley.	4
c Buckwheat.	7	d Rye.	5
125. Rice, O. B., St. Johns. Wheat.	1	146. Todd, W. H., Litchfield. Corn.	2
125a. Richard, J., Scio. Wheat.	1	147. True, John, Rives Junction. Wheat.	1
126. Riesling, A. J., St. Johns.		147a. Tubbs, L., Charlotte. Corn.	2
a Wheat.	1	148. Underwood, W. D., Easton. Wheat.	1
b Oats.	3	149. Vansickles, E., Plainfield. Corn.	2
c Buckwheat.	7	150. Walsh, W., Berlin. Wheat.	1
127. Rose, Wm. E., Girard. Wheat.	1	151. Warren, Geo., Jefferson. Rye.	5
128. Ross, A. L., Rochester.		152. Warren, J. M., Jr., Hillsdale. Corn.	1
a Wheat.	1	153. Waters, D. G., St. Johns.	
b Buckwheat.	7	a Wheat.	1
129. Ruler, Samuel, Burr Lake. Corn.	2	b Oats.	3
130. Schnechenberger, Fred., Charlotte. Barley.	4	154. Watterson, Thomas, Olivier. Wheat.	1
131. Scott, Anson, Charlotte. Wheat.	1	155. Welch, W. A., Homer. Buckwheat.	7
131a. Searl, Wm., Hamlin.		156. Wells, G. L., Coldwater. Wheat.	1
a Wheat.	1	157. Wells, Jno. H., Jefferson. Wheat.	1
b Oats.	3	157a. Welsh, R., Stevensburgh.	
132. Searls, W. A., Charlotte. Corn.	2	a Wheat.	1
133. Seibert, Geo., St. Johns. Wheat.	1	b Oats.	3
134. Seiley, Fred., Amy. Wheat.	1	158. Whitney, A. J., Litchfield.	
		a Wheat.	1
		b Oats.	3

0  
Exhibit  
No.  
31. Hon  
Tobacco  
32. Hon  
Tobacco  
33. Hon  
Tobacco  
34. Hon  
Tobacco  
35. Hon  
Tobacco  
36. Hon  
Tobacco  
37. Hon  
Tobacco  
38. Hon  
Tobacco  
39. Hon  
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40. Hon  
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41. Hon  
Tobacco  
42. Hon  
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43. Hon  
Tobacco  
44. Hon  
Tobacco  
45. Hon  
Tobacco  
46. Hon  
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47. Hon  
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48. Hon  
Tobacco  
49. Hon  
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50. Hon  
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51. Hon  
Tobacco  
52. Hon  
Tobacco  
53. Hon  
Tobacco  
54. Hon  
Tobacco  
55. Hon  
Tobacco  
56. Hon  
Tobacco  
57. Hon  
Tobacco  
58. Hon  
Tobacco  
59. Hon  
Tobacco  
60. Hon  
Tobacco  
61. Hon  
Tobacco

## Tobacco, Animal and Vegetable Fibres.

Exhibit No.	Class'n No.
294. Standard Tobacco Works, Louisville. Tobacco.	48
295. Steele & Batts, Versailles. Tobacco.	48
296. Stegar, J. W., Caldwell County. Tobacco.	48
297. Stevens, R., Spencer County. Tobacco.	48
298. Stoker, H., Paris. Tobacco.	48
299. Stone, W. S., Caldwell County. Tobacco.	48
300. Stowe, G. H., Julian. Tobacco.	48
301. Sutton, Geo. D., Butler County. Tobacco.	48
302. Tandy, E. R., Logan County. Tobacco.	48
303. Taylor, E. P., Daviess County. Tobacco.	48
304. Thomas & Co., Maysville. Tobacco.	48
305. Thomas, J. W., & Son, Paris. Tobacco.	48
306. Tompkins, H. P., Owensboro. Tobacco.	48
307. Thompson, G. D., Hopkinsville. Tobacco.	48
308. Thompson, J. W., Washington Co. Tobacco.	48
309. Thornton, W. A., Lebanon. Tobacco.	48
310. Threckeld & Alexander, Harrodsburg. Tobacco.	48
312. Tobacco Trade of Hopkinsville. Black wrapper tobacco.	48
313. Tompkins, A. C., Owensboro. Tobacco.	48
314. Tompkins, A. C., & Co., Owensboro. Tobacco.	48
315. Turpin & Wood, Owensboro. Tobacco.	48
316. Vaughn, G., & Co., Louisville. Tobacco.	48
317. Walker, J. B., Hopkinsville. Tobacco.	48
318. Walker, Jno. D., Lexington. Tobacco.	48
319. Waltman, A. F., McCracken Co. Tobacco.	48
320. Ware Tobacco Co., Hopkinsville. Tobacco.	48
321. Weir, W. H., & Co., Hopkins Co. Tobacco.	48
322. Wells, A. L., Waysville. Tobacco.	48
323. West, W. M., Hopkinsville. Tobacco.	48
324. White, Dunkerson & Co., Louisville. Tobacco.	48

Exhibit No.	Class'n No.
325. White, Jesse, Barren County. Tobacco.	48
326. White, J. W., Shelbyville. Tobacco.	48
327. White, Romsdale & Co., Monroe Co. Tobacco.	48
328. Whitefield, W. G., Paducah. Tobacco.	48
329. Whiteley, W. E., Daviess County. Tobacco.	48
330. Wiley, D. G., Hopkinsville. Tobacco.	48
331. Wilkes, J., Todd County. Tobacco.	48
332. Wille, J., & Co., Paducah. Tobacco.	48
333. Williams, Joe H., Pembroke. Tobacco.	48
334. Williams & Taylor, Pembroke. Tobacco.	48
335. Willis, J. P., Tremble County. Tobacco.	48
336. Wilson, G. W., Owenton. Tobacco.	48
337. Wilson, J. S., Paris. Tobacco.	48
338. Wood, G. H., Sinking Fork. Tobacco.	48
339. Woodall, A., Caldwell County. Tobacco.	48
340. Wright, T. B., Hopkinsville. Tobacco.	48
341. Younker, J. A., Paducah. Tobacco.	48

## GROUP 9.

342. Blargrave, J., Versailles. Hemp.	59
343. Bohannon; J. L., Versailles. Hemp.	59
344. Brent, C. S., Paris. Hemp.	59
345. Caruthers, Adam, Shelbyville. Hemp.	59
346. Cecil, C. P., Danville. Hemp.	59
347. Clay, Cassius M., White Hall. Wool.	60
348. Cox, Charles, Versailles. Hemp.	59
349. Evans, J. O., Danville. Hemp.	59
350. Evans, R. G., Danville. Hemp.	59
351. Fisher, R. M., Danville. Wool.	60
352. Garrett, J. M., Ft. Garrett. Hemp.	59
353. Gay, D. S., Winchester. Hemp.	59
354. Gray, D. S., Winchester. Hemp.	59
355. Guthrie, Morris, Shelbyville. Hemp and hemp seed.	59
356. Harris, John, Danville. Hemp.	59
357. Hurst, F. K., Versailles. Hemp.	59
358. Hutchcraft, R. B., Paris. Hemp.	59
359. Kentucky Experiment Station, Lexington. Flax and flax seed.	59

DEPARTMENT A. AGRICULTURE.

## Animal and Vegetable Fibres.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
360. King, M. B., Church Hill. Wool.	60	369. Offutt, E. N., & Co., Georgetown. Hemp.	59
361. Logan, J. A., Christiansburg. Hemp and hemp seed.	59	370. Owens, H., Ft. Garrett. Hemp.	59
362. Loughridge, Lexington. Hemp.	59	371. Radley, Isham, Versailles. Hemp.	60
363. Lowell, D. E., Rabbit Hash. Wool.	60	372. Steele, W. L., Nicholasville. Hemp seed.	60
364. McCarley, W. P., Versailles. Hemp.	59	373. Turner, W. J., Versailles. Hemp.	60
365. McGoodwin, Eugene, Danville. Wool.	60	374. United States Fiber Co., Jackson Miss. Hemp.	60
366. Morgan, R. C. & Co., Lexington. Hemp.	59	375. Vimont, F. L., Millersburg. Wool.	60
367. Morgan & Co., Lexington. Hemp.	59	376. Voris & Cassell, Vurgin. Hemp.	60
368. Nelson, H. B., & Bro., Lexington. Hemp.	59	377. Winn, John, Versailles. Hemp.	60
		378. Winston, A., Lexington. Hemp.	60

LOUISIANA.

**LOCATION—SEC. C.—S. E. QUARTER.**

**Cereals, Sugars, Farm Products, Fibres, Forestry.**

<b>GROUP 1.</b>		<b>Class'n</b>	<b>GROUP 9.</b>		<b>Class'n</b>
<b>Exhibit</b>	<b>No.</b>	<b>No.</b>	<b>Exhibit</b>	<b>No.</b>	<b>No.</b>
<b>1. Louisiana, State of.</b>			<b>6. Louisiana, State of.</b>		
<i>a</i> Wheat.		1	<i>a</i> Cotton.		
<i>b</i> Corn.		2	<i>b</i> Cotton seed, cotton seed hulls and		
<i>c</i> Oats.		3	cotton seed meal and cake.		
<i>d</i> Barley.		4			
<i>e</i> Rye.		5			
<i>f</i> Timothy and grasses.		8			
<i>g</i> Clovers and millet.		9			
<b>2. Louisiana Sugar Exchange. Sugar</b>					
cane, methods and manner of producing					
sugar and molasses, and plantation sugar					
and molasses.		17			
<b>3. Louisiana, State of. Peanuts.</b>		31			
<b>4. Louisiana, State of. Beans and peas.</b>		32			
<b>5. Louisiana, State of. Leaf and per-</b>					
ique tobacco.		48			

## MAINE.

## LOCATION—SEC. D.—S. W. QUARTER.

## Cereals, Grasses, Sugars, Root Crops.

## GROUP 1.

Exhibit No.	Class'n No.
1. Blodgett, Geo. H., Bowdoinham. Corn.	2
2. Blossom, L. H., South Turner.	
a Corn.	2
b Barley.	4
3. Bradford, E. F., Wayne. Wheat.	1
4. Briggs, D. J., South Turner. Corn.	2
5. Butler, Alonzo, Union. Wheat.	1
6. Cheen, S. W. L., Exeter Mills. Barley.	4
7. Day, Prentiss, Kennebunk.	
a Barley.	4
b Rye.	5
8. Eastman, A. A., Dexter. Buckwheat.	7
9. Farrer, Harry, South Paris. Oats.	3
10. Hardison, H. S., Caribou.	
a Wheat.	1
b Oats.	8
c Barley.	4
11. Jerrard, Geo. W. P., Caribou. Oats.	3
12. Johnson, N., Springfield. Corn.	2
13. Littlefield, O. W., Augusta. Barley.	4
14. McKeen, A. W., North Fryeburg. Oats.	3
15. Meader, O., Albion. Corn.	2
16. Phinney, W. H., Machias.	
a Wheat.	1
b Barley.	4
17. Pinkham, N. C., Bolster's Mills.	
a Wheat.	1
b Corn.	2
18. Roberts, Dimon, Goodwin's Mills.	
a Barley.	4
b Rye.	5
19. Smart, Jesse, North Turner. Rye.	5
20. Smith, C. E., Boothbay. Oats.	3
21. Snell, H. H., Riverside.	
a Wheat.	1
b Oats.	3
c Barley.	4
d Rye.	5
22. Sprague, E. B., Bowdoinham. Corn.	2
23. Sweetser, C. S., North Yarmouth. Oats.	3
24. Taylor, J. H., Kennebunk. Wheat.	1
25. Taylor, J. M., Kennebunk. Rye.	5

Exhibit No.	Class'n No.
26. Tucker, Herbert M., South Paris.	
a Corn.	2
b Barley.	4
c Rye.	5
27. Upton, H. N., Bethel.	
a Wheat.	1
b Corn.	2
28. Willey, B. F., Cherryfield.	
a Wheat.	1
b Oats.	3
29. Willey, E. D., Clinton.	
a Wheat.	1
b Corn.	2
c Oats.	3
30. Yeaton, J. H., Augusta. Oats.	3

## GROUP 3.

31. Greely, C. H., Clinton. Honey.	26
32. Hoyt, W., Ripley. Honey.	26
33. Meader, O., Albion. Maple syrup.	21
34. Norton, W. H., Skowhegan. Honey.	26
35. Wheeler, C. J., Chesterville. Maple syrup.	21

## GROUP 4.

36. Edgcomb, S. P., Belfast. Turnips.	30
37. Edgerly, E. E., Princeton. Carrots.	30
38. Jerrard, Geo. W. P., Caribou. Potatoes.	28
39. King, S. M., South Paris. Beets.	29
40. McFadden, Orrin, Cedar Grove. Carrots.	30
41. Pinkham, N. C., Bolster's Mills.	
a Beets.	29
b Turnips.	30
42. Snell, H. H., Riverside. Carrots.	30
43. Spaulding, G. W., North Anson. Carrots.	30
44. Taylor, J. H., Kennebunk.	
a Beets.	29
b Turnips and carrots.	30
45. Tucker, Herbert M., South Paris.	
a Beets.	29
b Turnips.	30
46. White, H. P., Swanville. Turnips.	30
47. Willey, E. D., Clinton. Turnips and carrots.	

## Farm Products, Dairy Products, Fibres, Culinary Vegetables.

## GROUP 5.

Exhibit No.	Class'n No.
48. Allen, Carter, Hampden Centre. Beans.	32
49. Edgerly, E. E., Princeton. Beans.	32
50. Fernald, Eliot, Saco. Beans.	32
51. French, Moses, & Son, Solon. Beans.	32
52. Johnson, D. B., Freedom. Beans.	32
53. King, S. M., South Paris. Beans.	32
54. Luce, W. A., So. Union. Beans.	32
55. Norcross, M. F., Winthrop. Beans.	32
56. Plummer, James, South Dover. Beans.	32
57. Smart, Jesse, North Troy. Pease.	32
58. Snell, H. H., Riverside. Pease and beans.	32
59. Spalding, G. W., North Anson. Pease.	32
60. Taylor, J. H. Pease.	32
61. Tucker, Herbert M., South Paris. Pease.	32
62. Upton, N. H., Bethel. Pease.	32
63. Watson, S. C., Oakland. Beans.	32
64. Willey, E. D., Clinton. Pease.	32
65. Woodbury, C. H., Exeter Mills. Beans.	32

## GROUP 7.

## Dairy Building,

66. Brook Farm Creamery, Foxcroft. Butter.	42
67. Cape Elizabeth Creamery, Cape Elizabeth.	42
68. Creamery Butter Company, West Paris. Butter.	42
69. East Pittston Creamery, Pittston. Butter.	42
70. Haines, A. L., Fort Fairfield. Cheese.	43
71. Livermore Dairying Association, Livermore. Butter.	42

## Exhibit No.

72. Meader, O., Albion. Butter.	
73. Norcross, M. F., Winthrop. Cheese.	
74. Perley, C. J., Cross Hill. Butter.	
75. Porter, Ira J., Houlton. Butter.	
76. Riverside Creamery, Foxcroft. Butter.	
77. Robbins, Mrs. M. L., Winthrop. Butter.	
78. Russell, A. P., North Turner Bridge. Butter.	
79. Skowhegan Jersey Creamery, Skowhegan. Butter.	
80. Turner Centre Creamery, Turner. Butter.	

## GROUP 9.

81. Bretman, J. O., Readfield. Wool.	
82. Day, Prentiss, Kennebunk. Wool.	
83. Deane, C. H., Livermore Falls. Wool.	
84. Flint, Geo., North Anson. Wool.	
85. Longley, J. B., Palmyra. Wool.	
86. Plummer, James, South Dover. Wool.	
87. Porter, S. W., Houlton. Wool.	

Exhibits Classified in other Department but Installed in This.

## DEPARTMENT B.

## GROUP 28.

## Culinary Vegetables.

88. Nutter, W. B., Cape Elizabeth. Cabbage.	174
89. Russell, Jackson, Waldoboro. Cabbage.	174

## MASSACHUSETTS.

LOCATION—SEC. D.—S. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class's No.	Exhibit No.	Class's No.
1. Allen, J. W., Amherst. Corn.	2	27. Frissell, Homer, Peru. Oats.	3
2. Averill, Geo. L., North Andover. Corn.	2	28. Frissell, John, Peru. Barley.	4
3. Bancroft, Wm. L., Chesterfield. Corn.	2	29. Frissell, John Z., Peru. Oats.	3
4. Barlow, Henry, & Sons, Peru. Wheat.	1	30. Goddard, Mrs. M. T., Newton. Corn.	2
5. Bates, Edwin, Lynn. Corn.	2	31. Gulliver, J. F., Andover. Corn.	2
6. Benton, John B., Barre. Corn.	2	32. Hayward, Monroe, Agawam. Corn.	2
7. Berry, Albert, North Andover. Corn.	2	32a. Hindley, S. K., Spencer. Grass.	8
8. Bigelow, J. R. & D. F., Petersham. a Corn.	2	33. Holcomb, Geo. W., Chester. Oats.	3
b Oats.	3	33a. Howe, E. D., Marlboro. Millet.	8
9. Birnie, Chas. A., Longmeadow. Corn.	2	34. Judd, C. A., South Hadley. Corn.	2
10. Boatwell, Wm. L., Leverett. Corn.	2	35. Kellogg, Frank N., Sheffield. Rye.	5
11. Bradford, Ralph H., South Egremont. Buckwheat.	7	36. Kent, G. L., Belchertown. a Corn.	2
12. Buell, C. L., Ludlow. Corn.	2	b Buckwheat.	7
13. Busby, Leon M., Monterey. Corn.	2	37. Kent, G. S., Belchertown. a Oats.	3
14. Carpenter, G. H., South Hadley. Grasses.	8	b Grasses.	8
14a. Clark, Geo. H., Hadley. Corn.	2	39. Kingsley, H. H., Spencer. Buckwheat.	7
15. Cowles, Oliver, Amherst. Corn.	2	40. Larkin, C. B., Buckland. Corn.	2
16. Crabtree, Sumner, Natick. Corn.	2	41. Lawton, Charles, Leverett. Corn.	2
17. Cutting, Walter, Pittsfield. a Corn.	2	42. Leonard, Spencer, Bridgewater. Corn.	2
b Oats.	3	43. Lincoln, F. W., Oakham. Rye.	5
c Buckwheat.	7	44. Lincoln, H. W., Oakham. a Corn.	2
d Grasses.	8	b Buckwheat.	7
18. Deming, Amos, Savoy. a Corn.	2	45. Longfellow, Andrew S., Groveland. Corn.	2
b Oats.	3	46. Massachusetts Agricultural College, Amherst. a Corn.	2
c Barley.	4	b Rye.	5
d Grass.	8	c Millet and bean vines.	8
19. De Wolf, Geo. H., Mendon. Corn.	2	47. McIntosh, Wm. W., Nantucket. a Corn.	2
20. Dickinson, F. M. & Son, Belchertown. Corn.	2	b Oats.	3
21. Dillon, J. C., Amherst. Corn.	2	48. Newton, N. Clark., North Hadley. Corn.	2
22. Dodge, Wm. H., Cheshire. Corn.	2	49. Nichols, H. W., Sturbridge. a Oats.	3
23. Fairbanks, Chas. W., Charlemont. Corn.	2	b Barley.	4
24. Fisher, E. N., Ludlow. Corn.	2	c Rye.	5
25. Flinders, Albert J., Chilmark. Corn.	2	50. Osborne, L. T., Alford. Corn.	2
26. Frissell, D. & Sons., Peru. a Wheat.	1	51. Parker, Geo. M., New Lenox. a Corn.	2
b Oats.	3	b Oats.	3
c Barley.	4		
d Buckwheat.	7		

## Cereals, Sugars, Farm Products, Tobacco, Etc.

Exhibit No.	Class'n No.	
52.		Pease, Jerome, Wilbraham.
	2.	a Corn.
	3.	b Oats.
53.		Phelps, Martin A., Blandford. Corn.
54.		Plantiff, F. L., Belchertown. Corn.
55.		Pratt, Preston, South Weymouth.
	2	Corn.
56.		Randall, Eugene, Belchertown. Corn.
	2	
57.		Randall, N., & Son, Belchertown.
	2	Corn.
58.		Randolph, A. A., Mendon. Corn.
59.		Rogers, George A., North Andover.
	2	Corn.
60.		Ryan, Patrick, No. Hadley. Corn.
61.		Sanderson, H. G., Sunderland. Corn.
62.		Sanford, E. B., Belchertown.
	2	a Corn.
	4	b Barley.
63.		Smith, Asa, Chilmark. Corn.
64.		Smith, C. K., Sunderland. Corn.
65.		Smith, H. B., & Son, Chesterfield.
	2	Corn.
66.		Smith, Newton, South Hadley. Corn.
67.		Squires, E. S., Worthington.
	3	a Oats.
	7	b Buckwheat.
68.		Stebbins, C. E., South Deerfield.
	1	a Wheat.
	2	b Corn.
	8	c Oats.
	4	d Barley.
	5	e Rye.
69.		Tyler, M. H., Greenfield. Corn.
70.		Warren, Edward, Spencer. Corn.
71.		Williams, F. R., Sunderland. Corn.

## GROUP 3.

72. Hubbard, Parker, Sunderland. Maple sugar. 21

## GROUP 4.

73. Clarke, Milford H., Sunderland. Onions. 30  
 74. Comegus, H. C., Hadley. Potatoes. 28

Exhibit No.	Class'n No.	
75.		French, W. A., Petersham. Potatoes.
76.		Gunn, E. R., South Deerfield. Onions.
77.		Kinney, F. J., Worcester. Potatoes.
78.		Lawton, Charles, Leverett. Onions.
79.		Smith, C. S., Amherst. Potatoes.

## GROUP 5.

80. Barras, Alvan, Goshen. Beans.  
 81. Bigelow, J. R., & D. F., Petersham. Beans.  
 82. Salmon, H. L., & I. B., Richmond. Beans.  
 83. Whipple, Curtis, Charlemont. Beans.

## GROUP 8.

84. Brell, John, Hadley. Leaf tobacco.  
 85. Fowler, C. F., Westfield. Leaf tobacco.  
 86. Graves, Cephas, Sunderland. Leaf tobacco.  
 87. Newton, N. Clark, North Hadley. Leaf tobacco.  
 88. Searle, H. J., Northampton. Leaf tobacco.  
 89. Shiderton, Charles, Hadley. Leaf tobacco.

## GROUP 14.

90. Massachusetts State Board of Agriculture, Boston.  
 a Collection of charts, tables and reports.  
 b Exhibit of stuffed specimens of numerous varieties of birds known to feed on the Gysey moth.

## GROUP 18.

91. Massachusetts Agricultural College. Mass. Flax seed. 95

## MICHIGAN.

## LOCATION SEC. D. - S. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class No.	Exhibit No.	Class No.
1. Abbott, Mrs. M. A., Litchfield. Corn.	2	18. Case, Arthur, Jackson. Oats.	2
12. Abby, N. B., Allendale. Corn.	2	18a. Carben, J., Cold Water. Wheat.	1
2. Affey, N. B., Allendale. Wheat.	1	18b. Carman, Beal. Wheat.	1
22. Arnold, Ely, Big Rapids. a Wheat.	1	19. Carman, E. H., Petterville. Wheat.	1
b Oats.	3	20. Case, A. B., Oxford. Corn.	2
c Grasses.	8	21. Case, J. E., Oxford. a Wheat.	1
3. Atwell, S., Jackson. Wheat.	1	b Corn.	2
4. Austin, J., Ovid. Wheat.	1	22. Chase, E. A., Cambria. Corn.	2
4a. Avery, D. L., Sturges. a Wheat.	1	23. Chertant, D. E., Hillsdale. Corn.	2
b Corn.	2	24. Chipman, A. B., Owasso. Oats.	3
c Buckwheat.	7	25. Clark, E. R., Easley. Corn.	2
d Clover seed.	9	26. Clark, J. M., Big Rapids. Corn.	2
4b. Avery, Gregory, Glen. Wheat.	1	27. Clemens, William, Saline. a Wheat.	1
5. Bates, J. e., St. Johns. Oats.	3	b Corn.	2
6. Baxter, E. P., Fayette. Oats.	3	c Oats.	2
7. Baxter, G. R., Hillsdale. a Wheat.	1	28. Clement, D. E., Hillsdale. Corn.	2
b Corn.	2	29. Cobb, D. F., Litchfield. Corn.	2
c Clover.	9	30. Cobb, S. D., Stockbridge. Corn.	2
7a. Beck, Carrie, Fayette. Wheat.	1	31. Coeless, J., Coldwater. Wheat.	1
8. Betridge, Emma, Grand Rapids. Corn.	2	32. Cole, L. F., Charlotte. Wheat.	1
8a. Better, J. Z., Riga. Corn.	2	33. Cook, L. S., Fitchburg. White oats.	3
9. Black, Thomas, Ann Arbor. Corn.	2	34. Cook, L. S., Stockbridge. Wheat.	1
10. Bliss, Horace, Parker Corners. Oats.	3	35. Crane, H. B., Litchfield. Wheat.	1
11. Bond, John, Onkama. Wheat.	1	36. Crawford, A. T., Jackson. Corn.	2
12. Brackford, J. P., Lester. Buck- wheat.	7	37. Crawford, E. R., Reading. Barley.	4
12a. Brender, P. A., Otsego. Wheat.	1	38. Crawford, N. D., Jackson. Corn.	2
13. Brown, Field, Woodbridge. Wheat.	1	39. Crawford, Newton, Coldwater. Wheat.	1
14. Brown, John M., Ann Arbor. a Wheat.	1	40. Cummings, Geo. J. W., Hillsdale. Corn.	2
b Corn.	2	40a. Dewey, Peter, Jackson. a Wheat.	1
c Oats.	3	b Oats.	2
15. Burginadt, Fred, Stockbridge. a Wheat.	1	c Rye.	5
b Oats.	3	d Buckwheat.	7
16. Butridge, Emma, Grand Rapids. a Wheat.	1	41. Davis, C. G., Pittsford. Oats.	3
b Corn.	3	42. Deland, Vic., Jackson. Corn.	2
17. Cady, Peter, Jackson. Pop corn.	2	43. Dennison, H. C., Ada. Corn.	2
		44. Densmore, R., Dansville. Red clover.	9
		45. Dewey, P., Jackson. a Corn.	2
		b Oats.	3
		c Rye.	5
		d Buckwheat.	7
		46. Dodge, John, Hillsdale. Wheat.	1
		47. Doney, E. T., Jackson. Wheat.	1
		48. Dony, O., Jackson. Wheat.	1

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	
49. Elder, Joseph, Pierson.		80. Howlett, Robt., Dansville.	
a Rye.	5	a Wheat.	
b Buckwheat.	7	b Barley.	
50. Fasit, C. R., Litchfield. Corn.	2	81. Hurtzel, Fred, Ann Arbor.	
50a. Favorite, T., Brookfield. Rye.	5	a Wheat.	
51. Favorite, Thomas, Eaton Rapids.		b Corn.	
a Wheat.	1	c Oats.	
b Oats.	8	d Rye.	
c Buckwheat.	7	82. Hutzel, Fred, Ann Arbor. Wheat.	
52. Ford, C. R., Litchfield. Corn.	2	83. Ingram, O., Litchfield. Rye.	
52a. Fowler, J. A., Ottawa Lake. Corn.	2	84. Isham, Willis, Plainfield. Corn.	
53. Freeman, H. E., Owosso. Wheat.	1	85. Jackson, James, Stockbridge.	
54. Freeman, R. W., Litchfield.		a Wheat.	
a Wheat.	1	b Corn.	
b Oats.	8	85a. Jenison, B. W., St. Johns. Clover seed.	
c Clover.	9	86. Jennings, Geo. W., Hillsdale. Clover seed.	
55. French, John, Cambria. Orchard grass.	8	86a. Jewett, A. W., Mason.	
55a. Gaion, B. F., Riga. Corn.	2	a Wheat.	
55b. Gamson, W., Pontiac. Rye.	5	b Corn.	
56. Garison, Wm., Pontiac.		c Oats in head and straw.	
a Wheat.	1	d Barley.	
b Corn.	2	e Rye.	
57. Garvey, L. C., Woodbridge. Corn.	2	f Grasses.	
58. Gegler, Wm., St. Johns.		87. Johnson, Prosper P., Girdard. Wheat.	
a Oats.	3	88. Jones, S., Henderson. Wheat.	
b Millet.	8	89. Katchan, W. M., Ann Arbor. Millet.	
59. Genison, B. W., St. Johns. Red clover seed.	9	90. Kaviland, W. S., Stockbridge. Corn.	
59a. George, J., Waterloo. Rye.	5	91. Keeler, Samuel, Bear lake. Corn.	
60. Gerway, T. C., Woodbridge. Corn.	2	91a. Kiesing, A. G. Oats.	
61. Granson, W. T., Pontiac. Corn.	2	92. Kline, A. W., Litchfield. Wheat.	
62. Green, A. E., Walled Lake. Corn.	2	93. Kruze, E., Charlotte.	
63. Green, H. A., North Farmington. Oats.	3	a Wheat.	
64. Hague, Martain, Stockbridge.		b Oats.	
a Wheat.	1	93a. Kylor, J., Eaton Rapids. Wheat.	
b Oats.	3	94. Lawton, E. P., Cooperville. Oats.	
65. Hanland, W. T., Plainfield. Corn.	2	94a. Lazell, C., Napoleon.	
66. Hanland, W. T., Stockbridge. Corn.	2	a Corn.	
67. Harrison, Wm., Pontiac. Oats.	3	b Buckwheat.	
68. Hasky, J. H., Ensley. Corn.	2	c Millet.	
69. Hatch, L. F., Berlin. Corn.	2	95. Litus, A. C., Fitchburg.	
69a. Haviland, W. S., Hillsdale. Corn.	2	a Wheat.	
69b. Hewlett, Robert, Dansville. Wheat.	1	b Oats.	
70. Hewitt, A., Cambria. Wheat.	1	c Barley.	
71. Hewitt, E. L., Cambria. Wheat.	1	d Rye.	
72. Hewitt, L., Cambria. Corn.	2	96. Lowe, Chas., Stockbridge. Wheat.	
73. Hewitt, Peter, Cambria. Corn.	2	98. Malcho, H., Stockbridge. Wheat.	
74. Hewitt, T. E. Cambria. Corn.	2	99. Matterson, S., Owosso. Wheat.	
75. Hilman, W. S., Ensley. Corn.	2	100. McDougal, A. D., Hillsdale. Wheat.	
76. Hodges, A. J., Jonesville.		101. Michigan Agricultural College.	
a Wheat.	1	a Wheat.	
b Corn.	2	b Corn.	
77. Hodges, A. J., Plainsville. Corn.	2	c Oats.	
78. Horton, F. F., Leoni. Corn.	2	d Buckwheat.	
78a. Holt, J., Riga. Corn.	2	e Hungarian grass.	
79. Howly, Alvin, Cambria. Wheat.	1	f Millet, grass and forage plants.	

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class No.	Exhibit No.	Class No.
101a. Michigan, State of. Grains and grasses in straw and head, 3,000 samples.	1 to 10	135. Shaw, W. J., Plainfield. Corn.	2
102. Moore, A. T., North Farmington.		135a. Shearer, John, St. Johns. Corn.	2
a Wheat.	1	135b. Shidar, G. H., Hanover. Clover seed.	9
b Oats.	3	135c. Smith, Chas., Stockbridge. Wheat.	1
103. Moore, H. E., North Farmington.		136. Smead, E. H., Allendale.	
Wheat.	1	a Wheat.	1
104. Moore, H., Ensley. Wheat.	1	b Corn.	2
105. Nichols, Alva P., Charlotte. Sweet corn.	2	c Timothy seed.	8
106. Nichols, H., Stockbridge. Wheat.	1	137. Stanfield, Ed., Hillsdale.	
107. Nichols, W. C., Stockbridge. Wheat.	1	a Wheat.	1
108. Nokes, T. J., Churches Corners.		b Corn.	2
Clover seed.	9	139. Stein, A. J., Charlotte. Clover seed.	9
109. Nokes, F. N., Churches Corners.		140. Stein, W. M., Charlotte. Wheat.	1
Wheat.	1	141. Stevens, Geo., Stockbridge.	
110. Norris, C. S., Woodbridge. Barley.	4	a Corn.	2
111. Olsen, A., Gregory. Wheat.	1	b Buckwheat.	7
112. Parker, E. A., Waterloo. Barley.	4	c Timothy seed.	8
113. Parker, G. W., Victor. Wheat.	1	141a. Strays, G. A., Stockbridge. Corn.	2
114. Perabeck, J. C., Eaton Rapids.		142. Strehl, M., Owosso.	
Wheat.	1	a Wheat.	1
115. Pierce, S., Chief. Buckwheat.	7	b Oats.	3
116. Plumb, D. G., DeWitt. Wheat.	1	142a. Thompson, C. E., Stockbridge.	
117. Quantrall, Wm., Charlotte. Corn.	2	Sweet corn.	2
118. Rader, Wm., Maple Hill. Oats.	3	143. Thompson, B. B., Stockbridge.	
119. Randall, H. J., Pontiac. Barley.	4	Wheat.	1
120. Randall, S. D., Coldwater. Wheat.	1	144. Thompson, Mrs. B. E., Stockbridge.	
121. Rase, David, Manchester. Corn.	2	Wheat.	1
122. Reed, A. B. Howard City. Wheat.	1	145. Thorn, G. L., Horton. Grass.	8
123. Reichhart, Geo., Plainfield. Corn.	2	145a. Titus, A. C., Fitchburgh.	
124. Reichart, J. G., Ann Arbor.		a Wheat.	1
a Wheat.	1	b Oats.	3
b Corn.	2	c Barley.	4
c Buckwheat.	7	d Rye.	5
125. Rice, O. B., St. Johns. Wheat.	1	146. Todd, W. H., Litchfield. Corn.	2
125a. Richard, J., Scio. Wheat.	1	147. True, John, Rives Junction. Wheat.	1
126. Riesling, A. J., St. Johns.		147a. Tubbs, L., Charlotte. Corn.	2
a Wheat.	1	148. Underwood, W. D., Easton. Wheat.	1
b Oats.	3		
c Buckwheat.	7	149. Vansickles, E., Plainfield. Corn.	2
127. Rose, Wm. E., Girard. Wheat.	1	150. Walsh, W., Berlin. Wheat.	1
128. Ross, A. L., Rochester.		151. Warren, Geo., Jefferson. Rye.	5
a Wheat.	1	152. Warren, J. M., Jr., Hillsdale. Corn.	1
b Buckwheat.	7	153. Waters, D. G., St. Johns.	
129. Ruler, Samuel, Burr Lake. Corn.	2	a Wheat.	1
130. Schnechenberger, Fred., Charlotte.		b Oats.	3
Barley.	4	154. Watterson, Thomas, Olivier. Wheat.	1
131. Scott, Anson, Charlotte. Wheat.	1		
131a. Searl, Wm., Hamlin.		155. Welch, W. A., Homer. Buckwheat.	7
a Wheat.	1		
b Oats.	3	156. Wells, G. L., Coldwater. Wheat.	1
132. Searls, W. A., Charlotte. Corn.	2	157. Wells, Jno. H., Jefferson. Wheat.	1
133. Seibert, Geo., St. Johns. Wheat.	1	157a. Welsh, R., Stevensburgh.	
134. Seiley, Fred., Amy. Wheat.	1	a Wheat.	1
		b Oats.	3
		158. Whitney, A. J., Litchfield.	
		a Wheat.	1
		b Oats.	3

## Cereals, Sugars, Root Crops, Farm Products, Farm Buildings.

Exhibit No.	Class'n No.
158a. Wise & Tuckey, Paw Paw Mills. Wheat.	1
158b. Wolverton, A., Ottawa. Pop corn.	2
159. Wolverton, Amos, Reno. Pop corn.	2
159a. Woodman, David, Paw Paw.	
a Wheat.	1
b Corn.	2
c Oats.	3
d Barley.	4
e Rye.	5
f Grasses.	8
g Miscellaneous.	1 to 10
160. Wilson, A., Stockbridge. Wheat.	1
160a. Vanhouson, W., Big Rapids. Oats.	3

## GROUP 3.

200. Michigan Agricultural College. Sorghum. 24

## GROUP 4.

250. Michigan Agricultural College.  
    a Sugar beets and mangel-wurzel. 29  
    b Carrots. 30

## GROUP 5.

300. Bond, John, Onkama. Field beans. 32  
301. Brodey, Austin A., Ainger. Beans. 32  
301a. Brown, A. H., Grand Rapids. Farm and vegetable seeds. 32  
302. Chate, E. A., Cambria. Beans. 32  
302a. Culver, A. C., Okemos. Beans. 32  
303. Gegler, Wm., St. Johns. Peas. 32  
303a. Hamet, N. P., Cambridge. Beans. 32  
304. Hewitt, Peter, Cambria. Wax beans. 32

Exhibit No.	Class'n No.
305. Horton, G. F., Leoni. Field beans.	
306. Jewell, E., Penfield. Lima beans.	
307. Mabee, W. H., Litchfield. Field beans.	
308. Michigan Agricultural College. Beans and broom corn.	
309. Norton, Jas., Charlotte. Beans.	
310. Pierce, L., Chief. Pease.	
311. Stevens, Geo., Stockbridge. Beans.	
312. Thompson, Mrs. B. E., Stockbridge. Pea beans.	
313. Whitmore, Clark, Charlotte. Beans.	

## GROUP 14.

- 313a. Jewett, A. W., Mason. Photograph of farm and stock buildings, etc.  
313b. Michigan Agricultural College.  
    a Farms and farm administration.  
    b Systems of planting, cultivation, etc.  
    c Farm buildings, houses, etc. (plans)

## GROUP 17.

314. Michigan Agricultural College. Soil and fertilizers. 9

## GROUP 18.

- 314a. Todd, Albert M., Kalamazoo. Essential oils, crystalloids, and living plants, from which derived, viz: Peppermint, spearmint, wormwood, wintergreen, tansy, etc. 95  
315. Stanfield, E., Hillsdale. Flax seed. 95

## MINNESOTA.

LOCATION—SEC. D.—S. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Alrich, J. F., Worthington. Wheat.	1	13. Crandall, J. S., Red Wing.	1
1a. Alton, Chas. H., Wrightstown. Corn.	2	a Wheat.	1
1b. Anderson, Andrew, Hallock. Wheat.	1	b Corn.	2
2. Anderson, Louis, Norcross. Wheat.	1	14. Dalton, Chas. H., Wrightstown. Corn.	2
2a. Anderson, Peter, Toldahl. Rye.	5	14a. Danek, Charles, Le Seuer. Wheat.	1
3. Arnold, Adam, Mankato. Corn.	2	14b. Darknell, Fred, Pine Island. Wheat.	1
3a. Baldwin, Henry, Morris. Corn.	2	14c. Denzers, Henry, Le Seuer.	1
3b. Barron, Wm., Brainerd. Wheat.	1	a Wheat.	1
3c. Bass, J. G., Hamline. Corn.	2	b Corn.	2
4. Bass, J. J., Rosetown. Corn.	2	15. Dick, Francis, Afton.	1
4a. Becker, Peter, Belle Plaine. Corn.	2	a Wheat.	1
4b. Bender, John, Chaska. Corn.	2	b Corn.	2
5a. Benneintz, John C., Argyle. Barley.	4	c Oats.	3
5b. Benoit, Geo., Crookston. Oats.	3	d Barley.	4
5c. Bivins, Bert, Argyle. Wheat.	1	e Rye.	5
5d. Bones, Wm., Le Seuer. Wheat.	1	f Buckwheat.	7
6. Boynton, L. J., Red Wing. Wheat.	1	15a. Douglass, James D., Blakely. Wheat.	1
7. Brevoid, L. L., Springfield. Corn.	2	15b. Eimer, Fred, Deerwood.	1
8. Brian, J. H., Burnside.	1	a Wheat.	1
a Wheat.	1	b Oats.	3
b Barley.	4	15c. Engberg, Peter S., Richwood. Wheat.	1
9. Brian, T. J., Red Wing.	1	15d. Feddersen, Carson, Argyle. Wheat.	1
a Wheat.	1	15e. Fitzgerald, M., Morris. Wheat.	1
b Barley.	4	15f. Gillespie, J., Stephen.	1
c Rye.	5	a Wheat.	1
9a. Brown, C. W., Warren. Oats.	3	b Grass seeds.	8
9b. Brown, Thomas M., Stephen.	1	15g. Graves, A. J., Minneola. Corn.	2
a Wheat.	1	15h. Gray, James, Northcote. Wheat.	1
b Oats.	3	15i. Great Northern Railway, St. Paul. Grains and grasses.	1 to 9
10. Brules, N., Mankato. Oats.	3	16. Hanson, Peter E., Litchfield.	1
11. Buffum, J. W., Owatonna. Wheat.	1	a Wheat.	1
11a. Burke, P. J., Little Falls. Wheat.	1	b Barley.	4
11b. Butler, Nathan, Barnesville. Wheat.	1	16a. Harborn, Thomas, Hallock. Wheat.	1
12. Chambers, Willis, Havana.	1	17. Harris, J. A., Owatonna.	1
a Wheat.	1	a Barley.	4
b Oats.	3	b Hay seed.	8
c Barley.	4	17a. Harris, Wm., Deerwood. Wheat.	1
d Clover seed.	9	17b. Helmick Bros., Crookston. Wheat.	1
12a. Childs, E. D., Crookston. Wheat.	1	17c. Henry, Thomas, Hallock. Wheat.	1
12b. Christofferson, H., Stephen. Wheat.	1		
12c. Cosgrove, C. W., Le Seuer.	2		
a Corn.	8		
b Grass seeds.	8		
c Clover.	9		



## Potatoes, Products of the Farm, Dairy Products, Vegetable Fibres.

## GROUP 3.

Exhibit No.	Class'n No.
3a. Cosgrove, C. N., Le Seuer. Sugar cane (sorghum).	17
3b. Kennedy, Seth, Morristown. Amber cane (sorghum) sugar and syrup.	18
3c. Perrington, Ed., Lexington. Maple sugar and syrup.	21
3d. Treat, Frank, Lexington. Maple sugar and syrup.	21

## GROUP 4.

4. Bass, J. J., Rosetown.	
a Potatoes.	28
b Onions.	30
4a. Best, W. S., St. Paul. Potatoes.	28
4b. Pearce, M., Chonon. Potatoes.	28
4c. Robinson, Norman, Le Seuer. Potatoes.	28
4d. Ross, J. G., Hamline. Potatoes.	28

## GROUP 5.

5a. Bartsch, Paul, Stillwater. Beans.	32
5b. Chambers, Willis, Havana. Beans.	32
5c. Cosgrove, C. M., Le Seuer. Peas.	32
5d. Dick, Francis, Afton. Beans.	32
5e. Fisher, A., Owatonna. Beans.	32

## GROUP 7.

## Dairy Building.

7a. Berlin & Summit Creamery Co., Cooleyville. Butter.	42
7b. Blooming Prairie Separator Creamery Ass'n, Blooming Prairie. Butter.	42
7c. Case, B. L., Waseca. Butter.	42
7d. Clinton Falls Creamery Co., Clinton Falls. Butter.	42
7e. Comstock, A. E., Alma City. Butter.	42
7f. Evans, Rhys T., Muskoda. Butter.	42
7g. Farmers Creamery Co., Alden. Butter.	42
7h. Felton, A. Y., Plainview. Butter.	42
7i. Geneva Creamery Ass'n, Geneva. Butter.	42
7j. Hawkes, Samuel, Waseca. Butter.	42
7k. Hermes, H. F., Le Roy. Butter.	42

Exhibit No.	Class'n No.
60. Kieffer, P. H., St. Charles. Butter.	42
61. Krumme, O. N., & Son, Spring Falls. Butter.	42
62. Lempick, C., Blue Earth City. Butter.	42
63. Leslie, Samuel, Waseca.	
a Butter.	42
b Cheese.	43
64. Madelia B. & C. Co., Madelia. Butter.	42
65. McCray Bros., Oronoco. Butter.	42
66. Myers, M. L., Tracey. Butter.	42
67. Nelson, C. A., Clark's Grove. Butter.	42
68. Parks, Geo. B., Owatonna. Butter.	42
69. Potter Produce Co., Minneapolis. Butter.	42
70. Richardson, Mrs. W. D., Garden City. Butter.	42
71. Simes, E. E., Oslo. Butter.	42
72. Star A Creamery, Fountain. Butter.	42
73. Stelle Centre Creamery Co., Stelle Centre. Butter.	42
74. Union Creamery Co., Blooming Prairie. Butter.	42
75. Welct, R. R., Lansing. Butter.	42
76. Wood, Geo. H., Waseca. Butter.	42

## GROUP 8.

77. Olmstead & Co., High Forest. Tobacco.	48
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## GROUP 9.

78. Heisler, Mike, Barnesville. Flax.	59
79. Holmes, Mrs. V. C., Owatonna. Flax seed.	59
80. Hosgrove, C. N., Le Seuer. Flax.	59
81. Hustod, A. C., Warren. Flax.	59
82. Killen, A. R., Brownsburg. Flax.	59
83. Oliver, M. H., Verona. Flax.	59
84. Sather, Andrew C., Morris. Flax.	59
85. Spring, Herman, Jr., Le Seuer. Flax.	59

## MISSISSIPPI.

## LOCATION—SEC. D.—S. W. QUARTER.

## GROUP 9.

Exhibit No.	Class'n No.
9. Seven Ladies' Columbian Clubs.	
a Seed cotton, cotton bales, cotton seed hulls, plants and bolls, steamer loaded with cotton products.	58

Exhibit No.	Class'n No.
b Cotton growing plants, cotton seed oil and cotton seed meat.	
c Photographs of cotton industries.	58

## MISSOURI.

## LOCATION—SEC. C.—S. E. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class'n No.	Exhibit No.
1. Adams, John, Warrensburg. Wheat.	1	32. Conrad, Jacob J., Marble Hill.
2. Agricultural College of Missouri.		<i>a</i> Wheat.
<i>a</i> Wheat.	1	<i>b</i> Oats.
<i>b</i> Corn.	2	<i>c</i> Grass.
<i>c</i> Grasses.	8	33. Cornthwalth, A., Richmond.
<i>d</i> Forage plants.	9	<i>a</i> Wheat.
3. Allen, Wm., Callaway. Wheat.	1	<i>b</i> Grass.
4. Alliot, Louis, Platte City. Hay.	8	34. Dawson, John, Johnson. Wheat.
5. Alrich, John, Maxville. Corn.	2	35. Deal Bros., Charleston. Wheat.
6. Anchor Ranch, Farmington. Wheat.	1	36. Dehner, John, Canton. Wheat.
7. Aron & Thurmond, Fulton. Wheat.	1	37. Dennis, John, Fenton. Rye.
8. Baker, Chas. L., Sikeston. Wheat.	1	38. Duck, O., Schell City. Oats.
9. Baker, Jos., Sikeston. Wheat.	1	39. Duncan, Mrs. Henry, Carsonville.
10. Beckwith, Thos., Charleston. Wheat.	1	Wheat.
11. Bellamy, Jas., Fulton.		40. Dye, Chas., Platte City. Grass.
<i>a</i> Oats.	8	41. Emerson, Robt. E., Oregon. Wheat.
<i>b</i> Hay.	8	42. Erwin, J. S., Kirksville. Teosinte.
12. Blank, Peter, Jefferson. Wheat.	1	43. Faris, H. P., Clinton. Hay.
13. Bloomberg, Louis, Jackson.		44. Farner, Harrison G., Platte City. Co
<i>a</i> Wheat.	1	
<i>b</i> Grass.	8	45. Farner, H. D., Platte City. Bl
14. Bluhm, Chas., Holden. Wheat.	1	grass.
15. Boles, Chas., Warrensburg. Wheat.	1	46. Fennelly, Thomas, Normandy. Co
16. Bouche, Wm., St. Louis. Grasses.	8	
17. Bowles, Jos., Fenton. Grass.	8	47. Festch, Jacob, St. Charles. Wheat.
18. Boyd, L. C., Callaway. Wheat.	1	48. Fleshman, Wm., Platte City. Oats.
19. Brady, Thos., Schell City. Corn.	2	49. Folk, Geo., Richmond.
20. Brown, F. C., Schell City. Corn.	2	<i>a</i> Wheat.
21. Brush, B. F., Independence. Grass.	8	<i>b</i> Rye.
22. Bundschutz, Josephine, Fenton.		<i>c</i> Clover.
<i>a</i> Rye.	5	50. Geiger, Lorens, Carsonville.
<i>b</i> Clover.	9	<i>a</i> Barley.
23. Byer, C. F., Callaway. Wheat.	1	<i>b</i> Rye.
24. Cavares, S. A., Lutesville.		51. Gentry, N. H., Sedalia.
<i>a</i> Oats.	8	<i>a</i> Grass.
<i>b</i> Hay.	8	<i>b</i> Clover.
25. Carpenter, H. M., Schell City. Hay.	8	52. Goodnight, Asbury, Sedalia. Hay.
26. Chareton, Wm., Independence. Corn.	2	53. Goodwin, Edwin, Warrensburg.
27. Clark, J. F., Richmond. Wheat.	1	Wheat.
28. Clark, Jos., Platte City. Corn.	2	54. Greer, M., Tarkio. Wheat.
29. Clarkson, Chas., Charleston. Wheat.	1	55. Gietemier, Steven, Bridgetown.
30. Cochrell, Thos. G., Platte City. Mil-	8	<i>a</i> Wheat.
let		<i>b</i> Grass.
31. Coffey, E. McD., Platte City. Corn.	2	56. Guignon, E. S., Normandy.
		<i>a</i> Wild rye.
		<i>b</i> Grasses.
		<i>c</i> Clover.
		57. Hale, Jas. S., Oran. Wheat.
		58. Hammond, J. C., Platte City. Corn.

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class No.	Exhibit No.	Class No.
59. Hammond, Mrs. T. C., Platte City. Oats.	3	104. Morehouse, S. F., Canton. Wheat.	1
60. Hancock, Wm. I., Platte City. Corn.	2	105. Morton, T. J., Lewis. Wheat.	1
61. Harbaugh, Wm., Liberty. Millet.	8	106. Mosher, Mrs. L. V., Lewis. Wheat.	1
62. Harris, J. C., Charleston. Wheat.	1	107. Murdock, Jos., Platte City. Hay.	8
63. Harrison & Schiffer, Fulton. Wheat.	1	108. Murray, N. F., Oregon. Grass.	8
64. Hass, Wm., Cedar City. Wheat.	1	109. Myers, Matthew, Oran. Wheat.	1
65. Henry, L. P., St. Charles. Wheat.	1	110. Narton, Wm. R., Schell City. Corn.	2
66. Herndon, Jos., Platte City. Hay.	8	111. Ohmes, Frank, St. Charles. Wheat.	1
67. Hern, Mrs. M. J., Carsonville. Rye.	5	112. Patchen, J., Platte City. Wheat.	1
68. Hibbard, D. M., Canton. Wheat.	1	113. Peacock, George, Fulton. Grass.	8
69. Hillix, Alfred, Independence. Millet.	9	114. Peterman, Wm. M., Jackson. a Wheat.	1
70. Hinkle, T. F., Oran. Wheat.	1	b Oats.	3
71. Hodges, C. B., Platte City. Wheat.	1	c Rye.	5
72. Hodges, R. T., Platte City. Wheat.	1	d Grass.	8
73. Horns, Jesse J., Marble Hill. Grass.	8	e Clover.	9
74. Howard, Hiram, Marshall. Corn.	2	115. Pfeifer, Conrad, Fenton. Hay.	8
75. Howard, J. H., Fulton. Hay.	8	116. Pope, Jas. I., Platte City. Corn.	2
76. Huffman, Phillip, Schell City. Oats.	3	117. Renoe & Sheely, Fulton. Oats.	3
77. Jack, Jno. Wm., Platte City. a Wheat.	1	118. Rosenburger, John, Platte City. Corn.	2
b Hay.	8	119. Roth, Geo. H., Jackson. a Wheat.	1
78. James, Thos., Palmyra. Oats.	3	b Rye.	5
79. Jones, T. L. P., Platte City. Grass.	8	120. Rothick, Juvo, Richmond. Wheat.	1
80. Kayger, Miss Agnes, Fulton. Oats.	3	121. Scearce, A. S., Platte City. a Wheat.	1
81. Kell, D. W., Richmond. Wheat.	1	b Oats.	3
82. Kennedy, M., Palmyra. Oats.	3	122. Schmidt, Herman, Callaway. Wheat.	1
83. Kennedy, Sam, Richmond. Wheat.	1	123. Schulte, Judge, Farmington. Wheat.	1
84. Kimball & Thomas, Platte City. Hay.	8	124. Sessinghaus, Fred, Carsonville. a Oats.	3
85. Kimbrough, Wm., Richmond. Wheat.	1	b Millet.	8
86. Kline Bros., Platte City. Wheat.	1	125. Settle, Jesse, Platte City. Wheat.	1
87. Lease, Samuel, Fulton. a Wheat.	1	126. Settle, Wm., Oran. Wheat.	1
b Hay.	8	127. Shepard, N. J., Olden. Wheat.	1
88. Leggeth, J. B., Palmyra. a Grass.	8	128. Smart, D. C., Callaway. Wheat.	1
b Clover.	9	129. Smith, J. M., New London. Grass.	8
89. Lentz, Theo., Platte City. Wheat.	1	130. Smith, J., Woodson, Marysville. Corn.	2
90. Lewis, John, Platte City. Millet.	8	131. Steele, Geo., New Madrid. Corn.	2
91. Lewis, Robt., Platte City. Oats.	3	132. Steele & Blanchard, Oregon. Grass.	8
92. Lovelady, A. J., Platte City. Wheat.	1	133. Sterzing, Waldemar, Fenton. Sunflower and clover.	9
93. Majors, Thomas, Oran. Wheat.	1	134. Stubblefield, Wm. H., Oran. Clover.	9
94. Masters, Andrew, Marble Hill. Wheat.	1	135. Tanner, Emiel, Sikeston. Wheat.	1
95. Maus, Jacob, Schell City. Corn.	2	136. Terrill, Jeremiah, Holden. Wheat.	1
96. Maus, L. R., New London. Clover.	9	137. Thurman, E. J., Fenton. a Wheat.	1
97. Mayfield, L., Callaway. Wheat.	1	b Clover.	9
98. McCracken & Hunter, Fulton. Hay.	8	138. Thurman, G. F., Fenton. Wheat.	1
99. McMonigle, Wm. H., Platte City. Hay.	8	139. Tilden, J., Tipton. a Rye.	5
100. Michel, E., St. Louis. Grasses.	8	b Hay.	8
101. Miller, Charles, St. Louis. Corn.	2		
102. Montgomery, Wm., Platte City. Corn.	2		
103. Moran, Thos., Platte City. Wheat.	1		

## Cereals, Grasses, Sugars, Farm Products, Fibres.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
140. Torp, Charles, Platte City.	1	161. McNorton, E. H., Schell City.	S
2 Wheat.	1	ghum.	
2 Grass.	8	162. Mitchell, J. G., Atherton.	S
141. Tremberger, A. D., Fulton. Wheat.	1	ghum.	
142. Turben, G. L., Holden. Corn.	2		
143. Tyler, John, Fulton. Hay.	8		
144. Tyler, Robt., Schell City. Corn.	2		
145. Walker, Ira, Platte City. Wheat.	1		
146. Walker, E. V., Platte City. Corn.	2		
147. Walchinger, Jacob, Georgetown.	8		
148. Walter, Jos., Platte City.	5		
2 Rye.	8		
2 Hay.	8		
149. Waters, Wm. G., New London.	1		
2 Wheat.	3		
150. Waters, L., Canton. Millet.	2		
151. Wells, Henry, Platte City. Wheat.	1		
152. Whalen, Linton N., Holden. Corn.	2		
153. Whitely, B. F., Platte City. Wheat.	1		
154. Wickheas, F., St. Charles. Wheat.	1		
155. Williams, Jas. M., Warrensburg.	1		
156. W. S. Harrison, Platte City. Corn.	2		
157. W. S. John, Platte City. Wheat.	1		
158. Wilson, H. C., New London.	1		
2 Wheat.	5		

## GROUP 3.

159. Agricultural College of Missouri, Boone County. Tobacco (32 varieties).	4
160. McMaister, M., Schell City. Sor- ghum.	24

## GROUP 5.

163. Bell, F. M., Independence. Broo- corn.	Broo
164. Dallas, Thos., Schell City. Broo- corn.	Broo
165. Greenland & Knapp, Green Ridge. Broom corn.	
166. Null, Thos., Green Ridge. Broo- corn.	Broo
167. Reed, Nathan, Green Ridge. Broo- corn.	Broo
168. Rogers, G. A., Schell City. Cast- beans.	Cast
169. Wadleigh, Everett, Green Ridge. Broom corn.	
170. Williams, Chas., Independence. Broom corn.	3

## GROUP 8.

171. Agricultural College of Missouri, Boone County. Tobacco (32 varieties).	4
172. Craghead, W. R., Fulton. To- bacco.	4
173. Sitton, T. J., Fulton. Tobacco.	4

## GROUP 9.

174. Corkins, J. W., Nevada. Flax.	39
175. Farner, H. D., Platte City. Flax.	39
176. Peters, N. G., Schell City. Flax seed.	39
177. Stirzing, Waldemar, Fulton. Hemp.	30

## MONTANA.

LOCATION—SEC. D.—S. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Alford, W. H., Stevensville. Wheat.	1	25. Byard, John, White Sulphur Springs. Timothy hay.	8
2. Allard, Wm. L., Laurel. Oats.	3	26. Caldwell, Wm., Bozeman. a Wheat.	1
3. Amsden, D., Laurine. Oats.	3	b Oats.	3
4. Anderson, August, Fish Creek. Wheat.	1	c Barley.	4
5. Austin, A. A., Missoula. Oats.	3	27. Carney, M., Sheridan. Oats.	3
6. Babcock, L. F., Billings. Oats.	3	28. Carney, P., Twin Bridges. a Wheat.	1
7. Bailly & O'Donnell, Billings. a Wheat.	1	b Oats.	3
b Oats.	3	29. Carwin, W. S., Philbrook. Oats.	3
c Blue joint and timothy hay.	8	30. Catlin Bros., White Sulphur Springs. Timothy hay.	8
d Alfalfa.	9	31. Catlin, Geo., White Sulphur Springs. Timothy hay.	8
8. Baker, Thos. W., Stevensville. a Oats.	3	32. Chaffee, Chas. M., Billings. Oats.	3
b Timothy hay.	8	33. Claassen, Thomas, Fish Creek. Wheat.	1
c Red clover.	9	34. Clemons, M., Frenchtown. Wheat.	1
9. Ballard, Geo., Townsend. Oats.	3	35. Cline, V. E., Bozeman. a Wheat.	1
10. Baltasar, Julius, Mountain Side. Blue joint and bunch grass.	8	b Oats.	3
11. Banford, Jacob T., Laurel. Oats.	3	c Barley.	4
12. Barkell, James, Twin Bridges. Oats.	3	d Hay.	8
13. Bealingburg, N., Race Track. a Wheat.	1	36. Cobb, Jno. M., Stevensville. a Wheat.	1
b Timothy hay.	8	b Oats.	3
14. Beall, John, Fish Creek. Wheat.	1	c Barley.	4
15. Birchy, Wm., Billings. Wheat.	1	37. Collins, C. C., Hillsdale. Wheat.	1
16. Bisel, Ben, Bozeman. a Oats.	3	38. Connor, J. P., Smith River. Oats.	3
b Timothy hay.	8	39. Corwin, W. S., Philbrook. Wheat.	1
17. Bode, Wm., Laurel. Buckwheat.	7	40. Cramer Bros., Laurel. Oats.	3
18. Bouchard, Alf., Careless Creek. a Oats.	3	41. Crawford Bros., Shawmut. a Oats.	3
b Barley.	4	b Barley.	4
19. Bozeman Milling Co., Gallatin Valley. Flour.	11	c Blue stem grass.	8
20. Brooking, John, Bozeman. Wheat.	1	d Alfalfa.	9
21. Brooks, J. W., Sheridan. a Wheat.	1	42. Cree, A. M., Miles City. Corn.	2
b Oats.	3	43. Cunningham, Hy., Monarch. Oats.	3
c Grasses.	8	44. Cyr, Elroi, Grass Valley. Oats.	3
22. Broomfield, Mrs. John, Bozeman. a Wheat.	1	45. Cyr, J. E., Grass Valley. Oats.	3
b Oats.	3	46. Daly, Marcus, Hamilton. Oats.	3
23. Bruckert, A., White Sulphur Springs. Oats.	3	47. Danforth, Ezra, Missoula. Oats.	3
24. Buchanan, A. S., Stevensville. a Wheat.	1	48. Denis, Henry, Billgrade. Barley.	4
b Oats.	3	49. Davis, L. M., Lo Lo. Wheat.	1
7-A		50. Daws, J. S. & J. W., Salesville. Barley.	4
		51. Dean, George, Townsend. Alfalfa.	9
		52. DeLong, Alex., Missoula. Corn.	2

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
53. Deschamps, Caspar, Grass Valley.		82. Hickman, R. O., Sheridan. Oats.	
a Wheat.	1	83. Hobson, S. S., Philbrook. Alfalfa.	
b Oats.	3	84. Hoffman, C. W., Bozeman.	
c Rye.	5	a Oats.	1
d Timothy and red top hay.	8	b Barley.	1
54. Deschamps, R., Grass Valley.		85. Hogan, Philip, Missoula. Wheat.	
a Wheat.	1	86. Hogan, P., Missoula.	
b Oats.	3	a Wheat.	1
55. Dukes, Mrs. Ed., Missoula.		b Oats.	1
a Wheat.	1	87. Holland, Andrew, White Sulphur Springs.	
b Oats.	3	a Wheat.	1
c Timothy hay.	8	b Timothy hay.	1
56. Eldred, C. T., Twin Bridges. Oats.	3	88. Holmes, Charles, Bozeman.	
57. Emil, Peter, Bozeman.		a Oats.	1
a Wheat.	1	b Barley.	1
b Oats.	3	89. Hopple, Samuel J., Billings.	
58. Federbach, Peter, Missoula. Corn.	2	a Wheat.	1
59. Ferguson, M. M., Bozeman. Barley.	4	b Buckwheat.	1
60. Ferguson, V. M., Bozeman. Wheat.	1	90. Hoy, Chas., Bozeman. Barley.	
61. Flanagan, Michael, Billings. Wheat.	1	91. Huffine, J. D., Bozeman.	
62. Flanery Bros., Bozeman. Barley.	4	a Oats.	1
63. Fleming, T. J., Fort Logan. Bunch grass hay.	8	b Timothy and red top hay.	1
64. Foley, Thos., Missoula. Wheat.	1	92. Huffman, Mart., Bozeman. Wheat.	
65. Foster, Frank, Fish Creek. Oats.	3	93. Jordan, W. B., Miles City. Oats.	
66. Foster, Z. D., Fish Creek. Oats.	3	94. Jordan, W. D., Miles City. Wheat.	
67. Fostle, William, Sheridan. Grasses.	8	95. Kellett, Francis, Billings. Corn.	
68. Fowler, Samuel, Bozeman.		96. Kelly, Wm., Missoula. Wheat.	
a Oats.	3	97. Kennedy, Wm., Missoula.	
b Barley.	4	a Wheat.	1
69. Fruin, Thos., Stevensville.		b Oats.	1
a Wheat.	1	98. Kercher, Michael, Miles City.	
b Oats.	3	a Corn.	1
c Red top, blue joint and timothy hay.	8	b Alfalfa.	1
70. Gibson, M., Maiden. Wheat.	1	99. Koch, John, Bozeman. Oats.	
71. Gibson, Paris, Great Falls. Wheat.	1	100. Krauer, Martin, Bearmouth. Timothy hay.	
72. Gorman, M., Maiden.		101. Kramer, Martin, Bonita. Oats.	
a Wheat.	1	102. Lancy & Kirkendall, Three Forks.	
b Oats.	3	Oats.	1
c Alfalfa.	9	103. Latimer, J. R., Grass Valley.	
73. Goetzchous, Abe, Sheridan. Oats.	3	a Wheat.	1
74. Gunton, Mathew, Careless Creek. Oats.	3	b Timothy hay.	1
75. Hackie, D., Victor.		104. Lavassune, Mrs. C., Missoula.	
a Wheat.	1	104a. Lebourder, A. A., Missoula. Wheat.	
b Oats.	3	105. Lee, Daniel, Bozeman. Wheat.	
c Timothy seed.	8	106. Longman, S. E., Bozeman. Oats.	
d Clover.	9	107. Long, Samuel E., Bozeman.	
76. Hall, Lem., Twin Bridges.		a Wheat.	1
a Wheat.	1	b Barley.	1
b Oats.	3	108. Lott, Bros., Twin Bridges.	
77. Harder, J. P., Bozeman. Barley.	4	a Oats.	1
78. Harmon, William, Laurel. Corn.	2	b Grasses.	1
79. Harrety, Robt., Fish Creek. Oats.	3	109. Lovell, Phillip, Beaver Head. Oats.	
80. Harry, J. T., White Sulphur Springs.		110. Manhattan Milling Co., Manhattan.	
a Oats.	3	Barley.	1
b Timothy hay and blue joint grass.	8	111. Mardes, James, Bozeman. Oats.	
81. Hodges, W. A., Careless Creek. Blue			

Cereals, Grasses and Forage Plants

Exhibit No.	Class No.	Exhibit No.	Class No.
112. Marks, J. R., Townsend. Oats. 3		144. Ray, Emby, Bozeman. Oats. 3	
113. Marseau, Z., Frenchtown. Wheat. 1		145. Reed, W. H., Carleton. 1	
114. Massey, Ed., Careless Creek. 3		a Wheat. 1	
b Oats. 3		b Oats. 3	
c Timothy hay. 3		c Millet. 3	
115. Mathews, Scott, Bozeman. Oats. 3		146. Reeves, George P., Townsend. Blue joint grass and timothy hay. 8	
116. Maver, Chancy, Miles City. Oats. 3		147. Reeves, J. G., Bozeman. Wheat. 1	
117. McClain, T. A., Carleton. 1		148. Riggan, F. A., Fish Creek. Wheat. 1	
a Wheat. 1		149. Rose, Charles, Frenchtown. Wheat. 1	
b Oats. 3		150. Roso, Ed., Careless Creek. 1	
c Timothy hay. 8		a Wheat. 1	
118. McDonald, John, Bozeman. 1		b Oats. 3	
a Wheat. 1		151. Roso, John, Careless Creek. Timothy hay. 8	
b Oats. 3		152. Roy, Mrs. Emily, Bozeman. Wheat. 1	
119. McKinzie, George E., Bozeman. Red top and timothy hay. 8		153. Sales, Charles, Salesville. 1	
120. Menafe, R. P., Bozeman. Oats. 3		a Wheat. 1	
121. Millard, Hy., Butte. Corn. 2		b Barley. 4	
122. Miller, Luther, Stevensville. Wheat. 1		154. Shafer, Peter, Frenchtown. Oats. 3	
123. Mitchell, Sidney, Missoula. Wheat. 1		155. Shaugnessy, John B., Missoula. 3	
124. Moore, P. J., Martinsville. Blue joint grass. 8		Oats. 3	
125. Murray, Wm., Billgrade. Wheat. 1		156. Sheridan, Charles, White Sulphur Springs. Timothy hay. 8	
126. Myers, Alfred, Shields River. 1		157. Sidensticker, John, Twin Bridges. 3	
a Wheat. 1		Oats. 3	
b Oats. 3		158. Simpson, James W., Stevensville. 3	
127. Myers, Wm., Salesville. Rye. 5		Oats. 3	
128. Norton, George, Townsend. Barley. 4		159. Smith Bros., Martinsdale. Oats. 3	
129. Nutting, Lucius A., Laurel. Alfalfa. 9		160. Smith, M., Maiden. Wheat. 1	
130. Storey, Nelson & Co., Gallatin Valley. Flour. 11		161. Spooner, Jos., Stevensville. Wheat. 1	
131. O'Brien Bros., Bozeman. Wheat. 1		162. Spurgin, Wm., Missoula. 1	
132. O'Donnell, Ed., Billings. 2		a Wheat. 1	
a Corn. 2		b Oats. 3	
b Oats. 3		c Rye. 5	
133. O'Keefe, D. C., Missoula. 1		d Timothy hay. 8	
a Wheat. 1		163. Stafford, J. T., Cañon Ferry. Corn. 2	
b Oats. 3		164. Stoltz, Frank J., Park City. Oats. 3	
134. Omarr, John, White Sulphur Springs. Native grass hay. 8		165. Stone, R. H., Red Bluffs. Rye. 5	
135. Owsley, Wm., Sheridan. Oats. 3		166. Strong, Wm., Miles City. Corn. 2	
136. Page, R. W., Twin Bridges. Grasses. 8		167. Stuart, A., Townsend. Blue joint grass. 8	
137. Parker, W. O., Billings. Timothy hay. 8		168. Sutherland Bros., White Sulphur Springs. Barley. 4	
138. Parker, W. P., Billings. Oats. 3		169. Thomas Bros., Sheridan. 3	
139. Patterson, J. L., Canton. 1		a Oats. 3	
a Wheat. 1		b Grasses. 8	
b Barley. 4		170. Thompson, Thomas, Townsend. Oats. 3	
140. Paulin, Isaac, Frenchtown. 1		171. Tinsley, J. W., Canton. Popcorn. 2	
a Wheat. 1		172. Titman, J., Tosston. Oats. 3	
b Oats. 3		173. Warner, M., Maiden. Wheat. 1	
141. Pease, D. A., Twin Bridges. 3		174. Waterman, C. H., Bozeman. Oats. 3	
a Oats. 3		175. Wearwood, Wm., Courts. Wheat. 1	
b Flour. 11		176. Weaver, Chancy, Miles City. 1	
142. Pickering, J. G., Canton. Barley. 4		a Wheat. 1	
143. Pickering, J. J., Canton. Wheat. 1		b Corn. 2	
144. Rader, C. T., Fort Logan. Red top and blue joint grass. 8		c Oats. 3	

## Cereals, Root Crops, Farm Products, Fibres, Fertilizers.

Exhibit No.		Class'n No.
177.	Weinbour, Frank, Bozeman. Wheat.	1
178.	Welch, Wm., Bozeman.	
	a Wheat.	1
	b Oats.	3
179.	West, D. H., Townsend. Oats.	3
180.	White, Alex., Missoula.	
	a Wheat.	1
	b Oats.	3
181.	White, George H., Missoula.	
	a Wheat.	1
	b Oats.	3
	c Rye.	5
182.	White, G. H., Missoula. Oats.	3
183.	Whitesides, Andrew, Bonita. Oats.	3
184.	Wickham, George, Fish Creek.	
	a Sweet corn.	2
	b Oats.	3
185.	Winters, Chas., Missoula. Oats.	3
186.	Vantine, H., Bozeman. Wheat.	1
187.	Wyhn, John, Bozeman. Wheat.	1
188.	Wyrock, J., Twin Bridges. Barley.	4

## GROUP 4.

189.	Burns, T. C., Chinook. Potatoes.	28
190.	Ester, Sim, Beaver Head. Potatoes.	28
191.	King, Charles, Park City. Potatoes.	28

Exhibit No.		Class'n No.
192.	Mugford, John, Townsend. Potatoes.	
193.	Rife, Ike, Beaver Head. Potatoes.	
194.	Sanford, Jacob T., Laurel. Potatoes.	
195.	Sutherland Bros., White Sulphur Springs. Potatoes.	
196.	Tierney, W. E., & Co., Townsend. Potatoes.	

## GROUP 5.

197.	Haynes, E. E., Miles City. Vegetables.	
197a.	Kline, Charles K., Miles City. Vegetables.	
197b.	Strong, Wm., Miles City. Vegetables.	
198.	Tichorn, Jos., Miles City. Vegetables.	
199.	Tinsley, J. W., Canton. Tomatoes.	

## GROUP 9.

200.	Sidensticker, John, Twin Bridges. Flax.	
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## GROUP 17.

201.	Hedges, W. A., Careless Creek. Soil.	9
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## NEBRASKA

LOCATION—SEC. D.—S. W. QUARTER.

Cereals, Honey, Farm and Dairy Products, Liqueurs, Etc.

## GROUP 1.

Exhibit No.	Class'd No.
1. Thompson, J., Neligh. Corn.	2

## GROUP 3.

2. Carriage, J. F., Aurora. Honey.	26
3. Clements, Fred C., Lincoln. Honey producing plants.	26
4. Davidson, August C., Omaha. Honey.	26
5. Harbough, S., Geneva. Honey.	26
6. Heater, Mrs. J. N., Columbus. Honey.	26
7. Hedges, J. G., Friend. Honey.	26
8. Morgan, John, Geneva. Honey.	26
9. Oxward Beet Sugar Co., Grand Island. Sugar.	20
10. Steinhoff, William, Friend. Honey.	26
11. Stolly, Wm., Grand Island. Honey.	26
12. Tower, M., Lincoln. Honey.	26
13. Tyrell, A. C., Madison. Honey.	26
14. Veach, M. A., Shubert. Honey.	26
15. Whitcomb, E., Friend. Beeswax and honey.	26
16. White, Chas., Aurora. Honey.	26
17. Young, J. M., Plattsmouth. Honey.	26

## GROUP 5.

18. Beck, H. W., Pleasant Dale. Broom corn.	32
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## GROUP 7.

## Dairy Building.

19. Allison, A. H., Wisner. Butter.	42
20. Arborville Creamery, Aurora. Butter.	42
21. Amora Creamery, Aurora. Butter.	42
22. Bonner, Otto, West Point. Butter.	42
23. Fairfield Creamery Co., Nelson. Butter.	42
24. Fairfield Creamery Co., Rusk. Butter.	42

## Exhibit No.

## Class'd No.

25. Giffert, D. C., West Point. Butter.	42
26. Gusher, Mrs. L. A., Osceola. Butter.	42
27. Harding, Chas., Norfolk. Butter.	42
28. Hart, R. S., Lyons. Butter.	42
29. Karica, G., West Point. Butter.	42
30. King, J. J., West Point. Butter.	42
31. Lash, William, Table Rock. Butter.	42
32. Lyons Creamery Co., Lyons. Butter.	42
33. Lyons, John B., Lyons. Butter.	42
34. Lyness, W. H., Lyons. Butter.	42
35. Miller, D. R., Table Rock. Butter.	42
36. Osceola Creamery, Osceola. Butter.	42
37. Powell, John, Crab Orchard. Butter.	42
38. Reddick, N., West Point. Butter.	42
39. Reddy, Fred, Lyons. Butter.	42
40. Sanghan, F. H., Fremont. Butter.	42
41. Sasa, Charles, West Point. Butter.	42
42. South Platte Creamery Co., Aurora. Butter.	42
43. Stevens, John, Fremont. Butter.	42
44. Stroutman, H., West Point. Butter.	42
45. Sutton, Wm., Table Rock. Butter.	42
46. Table Rock Creamery, Aurora. Table Rock. Butter.	42
47. Wahno Creamery, Wahno. Butter.	42
48. West Point Creamery Co., West Point. Butter.	42
49. Wheeler, L. A., York. Butter.	42
50. White, A. J., Lyons. Butter.	42
51. Wood, E. D., Table Rock. Butter.	42
52. York Creamery Co., York. Butter.	42
53. Davidson, August C., Omaha. Methyglan.	69
54. Whitcomb, E., Friend. Vinegar.	71

## NEW HAMPSHIRE.

LOCATION—SEC. D.—S. W. QUARTER.

## Cereals, Grasses and Forage Plants, Sugar and Syrup.

## GROUP 1.

Exhibit No.	Class No.
1. Abbott, Si R., Wilton.	2
a Corn.	5
b Rye.	2
2. Abbott, Stanley H., East Wilton.	2
Corn.	5
3. Ayers, A. R., North Boscawen.	2
Rye.	5
4. Bacon, E. A., Warner.	2
Corn.	5
6. Batchelder, R. N. S., Northfield.	1
a Wheat.	4
b Barley.	5
c Rye.	8
d Timothy.	7
e Buckwheat.	2
10. Brooks, Silas, Freedom.	2
Corn.	5
12. Brown, Warren, Hampton Falls.	2
Corn.	5
13. Clement, J. W., Warner.	2
Corn.	5
15. Connor, J. M., Hopkinton.	2
Corn.	5
16. Colby, John D., Warner.	2
Corn.	5
17. Currier, E. R., Haverhill.	2
Corn.	5
19. Daniels, E. C., Plainfield.	2
Oats and	5
peas mixed.	2
22. Dunbar, W. C., Warner.	2
Corn.	5
23. Dunlap, W. F., & W. B., West Salisbury.	2
Corn.	5
24. Evans, Edwin F., Rochester.	1
a Wheat.	3
b Oats.	5
c Rye.	3
24a. Flanders, Nattie A., Warner.	3
Oats.	5
25. Folsom, J. W., Salisbury.	3
Oats.	5
26. Foss, Mark, Durham.	2
Corn.	5
30. French, J. W., North Haverhill.	7
Buckwheat.	4
32. Gould, Robert T., Hopkinton.	2
Barley.	5
33. Gove, M. D., Enfield.	2
Corn.	5
33a. Goodwin, Frank L., Sandwich Centre.	2
Corn.	5
34. Gray, Samuel N., Farmington.	2
Corn.	5
39. Hough, H. B., Lebanon.	3
Oats.	5
42. Jones, C. C., Warner.	2
Corn.	5
44. Lougee, R., Lebanon.	2
Corn.	5
45. Lull, Herbert, Warner.	2
Corn.	5
46. McIntosh, John C., Pittsfield.	4
a Barley.	7
b Buckwheat.	1
51. Messer, Stephen, New London.	1
Wheat.	1

## Exhibit No.

52. Miller, G. A., Lebanon.	Corn.
53. Moore, Morrill, Northfield.	a Barley.
b Rye.	55. Osborn, Arthur W., Gonic.
55. Osborn, Arthur W., Gonic.	Corn.
56. Palmer, H. W., Piermont.	Corn.
57. Patten, S. C., Warner.	Corn.
58. Pendexter, J. L., Bartlett.	Corn.
60. Perry, William H., Newport.	a Corn.
b Barley.	63. Pulsifer, T. S., Campton.
63. Pulsifer, T. S., Campton.	64. Pulsifer, C. W., Campton.
64. Pulsifer, C. W., Campton.	a Oats.
b Rye.	65. Purmont, O. T., Lebanon.
65. Purmont, O. T., Lebanon.	69. Smith, W. F., Pittsfield.
69. Smith, W. F., Pittsfield.	Oats.
71. Spiller, C. W. F., Pittsfield.	Rye.
72. Stearns, A. B., West Lebanon.	Oats.
73. Stevens, F. A., & A. H., Grafton.	Corn.
75. Sweatt, T. C., Webster.	a Corn.
b Buckwheat.	76. Taylor, J. M., Sanbornton.
76. Taylor, J. M., Sanbornton.	Corn.
77. Todd, J. H., New London.	a Oats.
b Barley.	78. Towle, Richard M., Freedom.
78. Towle, Richard M., Freedom.	Corn.
80. Tuttle, W. D., East Andover.	Corn.
81. Ward, Simon, Hanover.	Oats.
82. Webster, H. L., West Canaan.	Corn.
83. Wells, E. A., Enfield.	Corn.
83a. Whitcher, Daniel, Haverhill.	a Wheat.
b Corn.	84. Whittier, Sinton, Newport.
84. Whittier, Sinton, Newport.	Corn.
85. Wilber Bros., Alstead.	Corn.
86. Wilkins, J. E., Hillsborough Centre.	Wheat.
88. Woods, Arthur, Bath.	Wheat.
89. Ambrose, Langdon C., Sandwich.	Maple sugar and syrup.
90. Atwood, Alfred C., Sandwich.	Maple sugar and syrup.
91. Brooks, Silas, Freedom.	Maple sugar and syrup.

Sugar, Syrups, Products of the Farm, Dairy Products.

Exhibit No.	Class'n No.	
92.	21	Burleigh, J. M., East Wakefield. Maple sugar and syrup.
92a.	21	Burrows, N. H., Sandwich Centre. Maple sugar and syrup.
92b.	21	Clark, Edwin G., Tamworth. Maple sugar and syrup.
93.	21	Clark, John H., Acworth. Maple sugar and syrup.
94.	21	Craig, B. M., Rumney. Maple sugar and syrup.
94a.	21	Dearborn, C. W., Campton. Maple sugar and syrup.
95.	21	Elliott, E. H., Rumney. Maple sugar and syrup.
96.	21	Fellows, B. F., Sandwich. Maple sugar and syrup.
97.	21	Fiselt, Henry M., Campton. Maple sugar and syrup.
97a.	21	Holmes, Elmer F., Compton Village. Maple sugar and syrup.
98.	21	McCrillis, Alonzo, Sandwich. Maple sugar and syrup.
99.	21	Pollard, Albert S., Samworth. Maple sugar.
100.	21	Pulsifer, Chas. W., Campton. Maple sugar and syrup.
101.	21	Pulsifer, David B., Campton. Maple sugar and syrup.
102.	21	Pulsifer, Thomas S., Campton. Maple sugar and syrup.
103.	21	Quimby, Alfred, Sandwich. Maple sugar and syrup.
104.	21	Quimby, H. H., Sandwich. Maple sugar and syrup.
105.	21	Quimby, John S., Sandwich. Maple sugar and syrup.
106.	21	Quimby, Wm. F., Sandwich. Maple sugar and syrup.
107.	21	Remick, Francis P., Tamworth. Maple sugar and syrup.
108.	21	Smart, C. C., Rumney. Maple sugar and syrup.
108a.	21	Smart, Charles E., Rumney. Maple sugar and syrup.
109.	21	Smith, David, Freedom. Maple sugar and syrup.
110.	21	Smith, Geo. H., Sandwich. Maple sugar and syrup.
111.	21	Smith, Henry C., Holderness. Maple sugar and syrup.
112.	21	Smith, Samuel B., Sandwich. Maple sugar and syrup.
113.	21	Stickney, Wm. H., Campton. Maple sugar and syrup.

GROUP 5.

114.	32	Bedell, C. W., Littleton. Pease.
115.	32	Daniels, E. C., Plainfield. Pease.
116.	32	Dickey, George P., South Acworth. Field beans.

Exhibit No.	Class'n No.	
117.	32	Dunbar, L. D., Enfield. Field beans.
118.	32	Foss, O. C., Plymouth. Field beans.
119.	32	Meader, F. K., Rochester. Pease.
120.	32	McDaniel, Charles, Springfield. Field beans.
121.	32	McDuffee, J. A., Rochester. Field beans.
122.	32	Miller, G. A., Lebanon. Field beans.
123.	32	Perkins, Dexter J., Danbury. Field beans.
124.	32	Perry, William H., Newport. Field beans.
125.	32	Pulsifer, T. S., Campton. Pease.
126.	32	Sandborn, Fred O., Pittsfield. Field beans.
127.	32	Shaker Society, Enfield. Field beans.
128.	32	Shaw, Ellen M., Northfeld. Field beans.

GROUP 7.

Dairy Building.

150.	42	Baker, W. D., Quincy. Butter.
151.	42	Baker's River Creamery, Baker's River. Butter.
152.	42	Baker's River Creamery Co., West Rumney. Butter.
153.	42	Barnard, Joseph, Hopkinton. Butter.
154.	42	Blake, Francis F., Plymouth. Butter.
155.	42	Claremont Creamery Association, Claremont. Butter.
156.	42	Clark, Henry, Acworth. Butter.
157.	42	Connor, J. M., Hopkinton. Butter.
158.	42	Contoocook Valley Creamery Co., Henniker. Butter.
159.	42	Corbett Albert, Colbrook. Butter.
160.	42	Cornish Creamery, Cornish Flat. Butter.
161.	42	Elmwood Dairy, Quincy. Butter.
162.	42	Farr, Mrs. J. W., Littleton. Butter.
163.	42	Foster, Z. E., Langdon. Butter.
164.	42	Gould, Robert S., Hopkinton. Butter.
165.	42	Guernsey Dairy, Contoocook. Butter.
166.	42	Haverhill Creamery Co., Haverhill. Butter.
167.	42	Hillside Creamery, Cornish. Butter.
168.	42	Johnson, D. S., Littleton. Butter.
169.	42	Lebanon Creamery, Lebanon. Butter.

## Dairy and Dairy Products, Leaf Tobacco.

Exhibit No.	Class'n No.
170. Leighton, Geo. B., Monadnock. Butter.	42
171. Lyman Creamery, Lyman. Butter.	42
172. Lyme Creamery, Lyme. Butter.	42
173. Marshall, Chas. G., Langdon. Butter.	42
174. Marshall, C. S., Lyman. Butter.	42
175. Matthews, Geo. B., Franklin. Butter.	42
176. Monadnock Farms, Monadnock. Butter.	42
177. Myr, John N., Keene. Butter.	42
178. New Hampshire Experiment Station, Durham. Butter.	42
179. North Haverhill Creamery Co., North Haverhill. Butter.	42
180. Nye, John W., Keene. Butter.	42
181. Pulsifer, Thos. S., Plymouth. a Butter.	42
b Cheese.	43
182. Quincy Dairy Creamery, Contoocook. Butter.	42
183. Smith, Henry C., Holderness. Butter.	42

Exhibit No.	Class'n No.
184. Smith, Henry C., Plymouth. Butter.	42
185. Stanley, Geo. W., Langdon. Butter.	42
186. Varney, O. M., Merrill. Cheese.	43
187. Wallace, J. P., Quincy. Butter.	42
188. Waterhouse, C. H., Cornish. Butter.	42
189. White Mountain Creamery, Littleton. Butter.	42

## GROUP 8.

128a. Davenport, L. C., Hinsdale. Leaf tobacco.	48
129. Day, H. H., Hinsdale. Leaf tobacco.	48
130. Dix, Mrs. C., Hinsdale. Leaf tobacco.	48
131. Hooker, G. P., Hinsdale. Leaf tobacco.	48
132. Pike, W. N., Hinsdale. Leaf tobacco.	48
133. Slate, G. P., Hinsdale. Leaf tobacco.	48
134. Stearns, D. W., Hinsdale. Leaf tobacco.	48

## NEW JERSEY.

LOCATION—SEC. C.—S. E. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class No.
1. Albright, Henry, Cherry Hill Farm. Timothy.	8
2. Angelson, Isaac P., Hartford. Wheat.	1
2a. Armstrong, Thomas, Beverly. Oats.	3
3. Atkinson, Empson, Woodstown. Timothy.	8
4. Atchley, Samuel, Ewingsville. Corn.	2
5. Austin, Benjamin, Bridgeboro. Rye.	5
6. Austin, Wm., Rancocas. Wheat.	1
7. Ballinger, Morriston. Wheat.	1
8. Batten, Thomas, Woodstown. Corn.	2
9. Birdsall, Wm., Moorestown. Rye.	5
10. Bishop, B., Beverly. Corn.	2
11. Bishop, Fred, Beverly. Corn.	2
12. Bishop, Howard, Beverly.	
a Wheat.	1
b Corn.	2
13. Bishop, Jos. E., Beverly.	
a Corn.	2
b Rye.	5
14. Blackwell, Woodstown. Grass.	8
15. Blew, J. N., South River. Rye.	5
16. Bols, Wm. H., Egg Harbor City. Corn.	2
17. Bohn, John, Beverly. Rye.	5
18. Borden, Job. D., Rancocas. Timothy.	8
19. Basse, Chas. M., Burlington. Clover.	9
20. Bunting, Thomas, Columbus. Corn.	2
21. Burrough, J. A., Camden. Grass.	8
22. Burrough, Jos., Merchantville.	
a Wheat.	1
b Corn.	2
c Rye.	5
23. Burrough, E., Merchantville. Grass.	8
24. Barby, Thomas, Rancocas. Timothy.	8
25. Carhart, Ruben, Bridgeborough. Rye.	5
26. Coles, Charles, Yorktown. Corn.	2
27. Coleman, Edgar A., Bridgeborough. Popcorn.	2

Exhibit No.	Class No.
28. Coombe, J. H., Beverly. Wheat.	1
29. Coombs, Mabel, Beverly. Grass.	8
30. Cooper, M., Merchantville. Clover.	9
31. Cresse, Benj., Rio Grande. Corn.	2
31a. Cresse, Linda, Rio Grande. Grass.	8
32. Davis, Benj., Stanton. Corn.	2
33. Davies, John, Stanton.	
a Popcorn.	2
b Buckwheat.	7
34. Davies, James, Stanton. Buckwheat.	7
35. Denise, D. D., Colestown. Clover.	9
36. Doughten, H. W., Woodstown. Timothy.	8
37. Duell, Joseph, Woodstown. Corn.	2
38. Errickson, Wm. A., Merchantville. Grass.	8
39. Evans, Enoch, Riverton. Rye.	5
40. Farmers' Club, Beverly.	
a Popcorn.	2
b Grain.	7
c Grass.	8
41. Felton, Anthony, Rio Grande. Corn.	2
42. Fenimore, Wm., Rio Grande. Corn.	2
43. Fisher, Coleman, Rio Grande. Corn.	2
44. Fitzga, Joseph, Somerville.	
a Corn.	2
b Timothy.	8
c Clover.	9
45. Fost, Mercer, Rio Grande. Rye.	5
46. Gaffner, Jere, Goshen. Hay.	8
47. Gardner, Ames, Mallica Hill. Corn.	7
48. Garwood, Beverly. Rye.	5
49. Garretson, Henry, Somerville. Popcorn.	2
51. Haines, Chas., Rancocas. Clover.	9
52. Hale, Richard, Rancocas. Timothy.	8
53. Hale, Henry, Rancocas. Oats.	3
54. Hancock, Geo. B., Burlington. Corn.	2
55. Haver, David, Lebanon. Buckwheat.	7
56. Hartsence, W. C., Burlington. Corn.	2
57. Harvey, David, Lebanon. Buckwheat.	7
58. Hansell, Albert, Rancocas. Clover.	9
59. Harmer, Joshua S., Moorestown. Corn.	2
60. Heal, John, Stanton. Buckwheat.	7

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
61. Henderson, Joseph, Crosswicks. Rye.	51	87. Mathews, V. A., Ringoes. <del>Wheat</del> <del>Wheat</del> <del>Oats</del>	
61a. Heritage, Benjamin, Mickleton. Grass.	8	88. Moore, French, Woodstown. Corn.	
62. Hight, H. H., Raritan. a Wheat. 1		89. Moorestown Grange, Moorestown. a Corn. 1	
b Rye. 5		b Rye. 1	
63. Hinchman, Isaac R., Merchantville. Corn. 2		90. Mulford, Chas., Fairton. Corn. 2	
64. Hoenes, John, Germania. Grass. 8		91. Parsan, M., Bound Brook. Barley. 2	
65. Hopkins, J. C., Burlington. Wheat. 1		92. Peak, Wm. C., Beverly. Rye. 2	
66. Horner, Chas., Mount Holly. a Corn. 2		93. Pew, Chas. H., Jobstown. Corn. 2	
b Rye. 5		94. Perkins, Beverly. Millet. 2	
c Grass. 8		95. Perrine, Chas., Wrightstown. Wheat. 2	
d Clover. 9		96. Phillips, Barclay, Medford. Corn. 2	
67. Hultz, Eliza, Rancocas. Grass. 8		97. Price, Guy, Mullic Township. Corn. 2	
67a. Hultz, Geo. W., Allentown. a Wheat. 1		98. Progressive Farmers' Club, Beverly. a Wheat. 1	
b Oats. 3		b Corn. 1	
68. Hutchinson, J. V., Hamilton Square. Corn. 2		c Grass. 1	
69. Interstate Fair, Delanco. a Wheat. 1		99. Quinn, Bernard, Mt. Holly. a Corn. 2	
b Popcorn. 2		b Rye. 5	
70. Kaighn, John M., Camden. a Popcorn. 2		100. Remiac, Chas., Wrightstown. Wheat. 1	
b Grass. 8		101. Roberts, Horace, Fellowship. Rye. 5	
71. Kendal, Wm. Pennsauken. Horse-mint. 9		102. Roberts, S. C., Wrightstown. Wheat. 1	
72. Kerr, J. S., Barbertown. a Corn. 2		103. Rogers, Wm., Rancocas. Corn. 2	
b Rye. 5		104. Saalamann, Chas., Egg Harbor City. a Corn. 2	
c Buckwheat. 7		b Grass. 8	
73. Kindle, Wm., Pennsauken. Thyme. 9		c Clover. 9	
74. Kircher, Thomas, Barbertown. Corn. 2		105. Schneider, Albert, Pluckemin. Buckwheat. 7	
75. Leconey, Chas., Merchantville. Corn. 2		106. Scott, James, Cape May. a Corn. 2	
76. Leeth, Jacob H., Rancocas. Clover. 9		b Oats. 3	
77. Leeds, Jacob H., Rancocas. Wheat. 1		c Rye. 5	
78. Lippincott, B. A., Haddonfield. Hay. 8		106. Shedaker, B. D., Burlington. Corn. 2	
79. Lippincott, Edward, Woodstown. Millet. 9		109. Snyder, Francis, Ringwood. Corn. 2	
80. Lippincott, Horace, Jobstown. Corn. 2		110. Steel, John, Rio Grande. Grass. 8	
81. Lippincott, Wm. R., Cinnaminson. Oats. 8		111. Stewart, Chas. F., Burlington. Corn. 2	
82. Loveland, James E., Egg Harbor City. Salt hay. 8		112. Stewart Bros., Burlington. a Wheat. 1	
83. Low, E. S., Colestown. Millet. 9		b Rye. 5	
84. Lucas, Lewis A., Trenton. Corn. 2		113. Stokes, James, Rancocas. Corn. 2	
85. Lutman, Stokes, Cooperfield. Wheat. 1		114. Stokes, Chas., Beverly. Corn. 2	
86. Marter, E. B., Burlington. a Wheat. 1		115. Stokes, Samuel, Beverly. Popcorn. 2	
b Corn. 2		116. Sutrak, Stokes, Elmhurst. Clover. 8	
		117. Van Dorn, Lewis, Peapack. Barley. 4	

Cereals, Grasses, Sugars, Root Crops, Products of the Farm.

Exhibit No.	Class No.
118. Van Nest, W. A., Martinsville.	
a Oats.	3
b Barley.	4
c Rye.	5
d Buckwheat.	6
e Timothy.	7
119. Van Sciver, E. R., Beverly.	
a Corn.	2
b Rye.	5
c Timothy.	7
120. Willis, J. P., Medford.	
a Corn.	2
b Rye.	5
c Buckwheat.	7
121. Williams, F. P., Sargentsville.	
Buckwheat.	7
122. Wilson, A. C., Deckertown. Corn.	2
123. Word, S., Haddonfield. Rye.	5
124. Yard, Geo. R., Yardville.	
a Corn.	2
b Oats.	3
125. Zelle, Mark, Medford. Corn.	2

GROUP 3.

200. Fisher, Coleman, Rio Grande. Sugar cane.	17
201. Hultz, Geo. W., Allentown. Sorghum.	24
202. Progressive Farmers' Club, Beverly. Sugar cane.	17
203. Richardson, Jos., Rio Grande. Sugar cane.	17
204. Scott, James, Cape May. Sugar cane.	17
205. Williams, J., Rio Grande. Sugar cane.	17

GROUP 4.

250. Boyd, Fred, Burlington. Peanuts.	31
251. Felton, Anthony, Rio Grande. Peanuts.	31
252. Knorr, Chas., Egg Harbor City. Peanuts.	31
253. Muehl, Chas., Hammonton. Peanuts.	31
254. Progressive Farmers' Club, Beverly. Carrots.	80
255. Shedaker, B. D., Burlington. Radish.	80
256. Shreeve, S. H., Burlington. Potatoes.	28
257. Swackhamer, Mrs. J. R., White House. Thoroughwort.	30
258. Thies, Chas., Germania. Peanuts.	31
259. Wolf, John C., Egg Harbor City. Peanuts.	31

GROUP 5.

Exhibit No.	Class No.
300. Adams, W. H., Cherry Hill Farm. Tomato and watermelon seed.	92
301. Anderson, Wm. S., Riverton. Melon seed.	92
302. Augermann, Harry, Egg Harbor City. Anise seed.	82
303. Ash, S. W., Vineland. Egg plant and carrot seed.	82
304. Austin, Mrs. B. C., Beverly. Cucumber seed.	82
305. Baker, Theo. F., Bridgeton. Radish, squash, cantaloupe, spinach, parsnip, onion, carrot, tomato and lettuce seed.	82
306. Bishop, B. F., Beverly. Beans, okra and gourds.	32
307. Brown, Wm. J., Ringoes. Timothy seed.	32
308. Chant, James, Beverly. Flower seed.	32
309. Cliver, Ellis, Beverly. Asparagus.	32
310. Crane, H. J., Beverly. Peas.	32
311. Crane, O. D., Beverly. Flower seed, beans and turnip seed.	32
312. Cross, Thomas, Beverly. Squash.	32
313. Farmers' Club, Beverly. Onion and spinach seeds, asparagus and beans.	32
314. Felton, Oscar F., Merchantville. Castor oil beans.	32
315. Felton, Anthony, Rio Grande. Tomato, flower, balsam, beans and melon seed.	32
316. Fenimore, Wm., Rio Grande. Cantaloupe.	32
317. Franklin, Gov., Rio Grande. "Saddle bags."	32
318. Gallaher, Jere, Goshen. Creek and meadow sedge.	32
319. Garretson, Henry, Somerville. Flax seed.	32
320. Gunther, Gustave, Germania. Okra.	32
321. Heister, Budd E., Burlington. Grass seed.	32
322. Hight, H. H., Raritan. Pumpkin beans and turnip seed.	32
323. Hilderbrand, Mrs. J., Raritan. Sage.	32
324. Hoffman, Ellis B., Kingwood. Broom corn.	32
325. Hopkins, J. C., Burlington. Osage orange.	32
326. Howell, Job., Copper Hill. Flax seed.	32
327. Howard, Peter, Pensauken. Lavender.	32

## Cereals, Grass

Exhibit No.		
61.	Henderson, Joseph, Cross Rye.	32
61a.	Heritage, Benjamin Grass.	32
62.	Hight, H. H., Raritan Wheat.	32
	b Rye.	32
63.	Hinchman, Isaac Corn.	32
64.	Hoenes, J. P. Tomato.	32
65.	Hopkins, J. C. Melon.	32
66.	Horner, J. Broom.	32
	Orange, Moorestown.	32
	Green seed and okra.	32
67.	S. Robinsville, Flax.	32
	Peter, Brookfield, Farm.	32
	Farmers' Club, Beverly, melon, spinach, squash, pump seed, asparagus, grass seed, celery seed, oyster plant, preserved citron.	32
	Blwood, Burlington, Beans.	32
	Chas., Beverly, Cantaloupe seed.	32
	Stewart Bros., Burlington, Okra.	32
	Shedaker, B. D., Burlington, Beans.	32
	Asparagus.	32
	Stokes, Samuel, Beverly, Beans.	32
	Stout, Mrs. Somerville, Mint.	32
	Swackhammer, Peter, Mechanicsville, Catnip.	32
	Taylor, H. G., Riverton, Peas, melon and cantaloupe seed.	32
	Thornton, Randolph, Pennsauken, Honeset.	32
	Van Sciver, E. R., Burlington, Melon seed.	32
	Van Sciver, E. R., No. 2, Beverly, Radish seed.	32
	Vanterwort, John, Egg Harbor City, Okra, lavender and smartweed.	32
	Wild, A. S., Mickleton, Sage.	32
	Willis, J. S., Medford, Taney.	32
	Willis, J. P., Medford, Catnip and sage.	32

## Substances, Fibres, Implements, Oils

Exhibit No.		Class No.
355.	Wright, H. H., Raritan. Turn seed.	4

## GROUP 8.

400.	Farmers' Club, Beverly. Pepper.	4
401.	Interstate Fair, Delanco. Tobacco.	4
402.	Martin, Lebens, Deckertown. Tobacco in leaf.	4
403.	Moorestown Grange, Moorestown. a Hops.	4
	b Pepper.	4
404.	Seely, R. W., Trenton. Tobacco in leaf.	4
405.	Willis, J. P., Medford. Camomile.	4

## GROUP 9.

425.	Beardslee, Wm., Somerville. Cotton.	53
426.	Burrough, E., Camden. Jute.	59
427.	Fletcher, A., Delanco. Raw silk.	61
428.	Garretson, Henry C., Somerville. Flax.	59
429.	Housel, J. G., Mount Holly. Flax.	59
431.	Ketchman, Pennington. Flax.	59
432.	Somerset Agricultural Society, Somerset. Flax.	59
433.	Todd, Jacob, Cloverhill. Flax.	59

## GROUP 16.

450.	Burrough, E., Camden. Plow.	84
451.	Coles, Joseph H., Colestown. Sickle.	86
452.	Dickinson, M. D., Woodstown. Sickle.	86
453.	Hollingshead, Joseph, Battleswood. Sickle.	86
454.	Hollingshead, Jos., Camden. Scythe.	86
455.	Lippincott, Thomas, Rantocas. Sickle.	86

## GROUP 17.

460.	Hildreth, Ephraim, ORio Grande. Heavy soil.	93
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## GROUP 18.

470.	Buckrow, August, Germania. Castor oil.	95
471.	Heinrich, Christian, Pleasant Mills. Castor oil.	95

## NEW YORK.

LOCATION—SEC. C.—N. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Acer, V. A., Shelby Center. Wheat.	1	26. Barnes, William D., Middlehope. Corn.	2
2. Ackley, H. Clay, Hubbardsville. Wheat.	1	26a. Bartlet, A. J., Kendia, Wheat.	1
3. Ainsburger, Taylor, Hopewell. Oats.	3	27. Batchelor, Daniel, Utica. Grasses.	8
4. Aldrich, Charles H., Mattituck. a Corn.	2	28. Bates, George, Cambria. Corn.	2
b Oats.	3	29. Beaver, Harry, Lyndonville. Wheat.	1
5. Aldridge, A. G., Victor. a Wheat.	1	30. Beck, S., Lakeville. Oats.	3
b Corn.	2	31. Bellinger, J. C., Herkimer. Wheat.	1
c Oats.	3	31a. Bennett, A., Mendina. Wheat.	1
d Rye.	5	31b. Berryman, G., Yates. a Corn.	2
e Buckwheat.	7	b Rye.	5
6. Allen, Thomas, Chippewa Bay. Wheat.	1	32. Berryman, J. A., Geneva. a Corn.	2
7. Allis, Clark, Medina. Oats.	3	b Oats.	3
8. Amos, Benjamin, Millville. a Oats.	3	33. Biglow, George, Belleville. Barley.	4
b Barley.	4	34. Black, W. F., Billsborough. a Wheat.	1
9. Andrews, John A., Knowlesville. Wheat.	1	b Corn.	2
10. Andrews, Joseph, Ithaca. Barley.	4	c Barley.	4
11. Andrews, William, Bristol. Barley.	4	35. Blanchard, Flint, Jamestown. a Wheat.	1
12. Archer, G. W., Clifton Springs. Corn.	2	b Rye.	5
13. Asksley, Mark, Seneca Castle. Corn.	2	36. Blumenstock, John, Buel. a Corn.	2
14. Austin, Ira, Lowville. Wheat.	1	b Rye.	5
15. Artell, H. & F., Knowlesville. a Wheat.	1	37. Bonnell, George A., Waterloo. a Corn.	2
b Corn.	2	b Oats.	3
16. Babcock & Burch, Brookville. Corn.	2	38. Bonnell, H. S., Waterloo. a Wheat.	1
17. Bacon, T. A., Medina. Wheat.	1	b Corn.	2
18. Bagerly, B. W., Clifton Springs. a Wheat.	1	c Barley.	4
b Barley.	4	d Buckwheat.	7
19. Baker, A. D., Aurelius. a Corn.	2	39. Bowen, H. S., Newport. Corn.	2
b Oats.	8	40. Boyce, E. W., Schoharie. Wheat.	1
20. Baker, J. O., Aurelius. Wheat.	1	40a. Boyce, W. F., Knowlesville. Corn.	2
21. Baker, J. H., Aurelius. Barley.	4	41. Bradley, J. D., Lyons. Barley.	4
22. Baldwin, L. M., Canandaigua. Wheat.	1	42. Brewer, Edgar, Enfield Centre. Oats.	8
23. Balliet, N. F., McDougals. Wheat.	1	43. Briglin, Edward, Orleans. Corn.	2
24. Barclay, Elmer, Lyons. Barley.	4	44. Brown, John, Warsaw. Oats.	3
25. Barker, T. W., Clifton Springs. Wheat.	1	45. Brumaghin, A., Fonda. Corn.	2
		46. Brundage, A. C., Bath. Wheat.	1
		47. Bryan, George, Savona. Corn.	2
		48. Buchan, W. S., Hopewell Centre. a Corn.	2
		b Oats.	3

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
49. Budd, George, Enfield Falls.		75. Coolidge, Charles, Phelps.	
a Corn.	2	a Corn.	2
b Barley.	4	c Oats.	4
50. Burch, J., Medina.		c Rye.	4
a Wheat.	1	76. Coon, Alexander, Medina.	
b Oats.	3	a Wheat.	1
c Barley.	4	b Corn.	2
51. Burroughs, Alden, Leon. Wheat.	1	c Barley.	4
52. Callman, John, Hopewell Centre.		77. Coon, U. G., Medina.	
Corn.	2	a Wheat.	1
53. Callum, John M., Caledonia. Corn.	2	b Oats.	3
54. Camenga, J. D., Enfield. Corn.	2	c Barley.	4
55. Cammett, S. H., Hopewell. Buck- wheat.	7	78. Coon, William, Penn Yan. Wheat.	1
56. Campbell, Cullen, Tallman. Oats.	3	79. Corey, Amelia, West Fayette. Bar- ley.	4
57. Carpenter, C. E., Dundee. Corn.	2	80. Cornish, Hiram, Newfield. Wheat.	1
58. Case, Seward W., Orleans.		81. Corwin, O., Phelps. Oats.	3
a Wheat.	1	82. Cossitt, David, Onondaga.	
b Corn.	2	a Wheat.	1
c Oats.	3	b Barley.	4
59. Carman, John, Porterville. Oats.	3	83. Crosier, Adam, Stanley. Barley.	4
60. Chamberlain, George, Southport.		84. Cummings, Arthur, Cuylerville.	
Corn.	2	a Corn.	2
61. Chapin, Willard, Castile. Barley.	4	b Oats.	3
62. Chapman, B. F., Chapinville.		85. Cummings, Peter, Schoharie. Corn.	2
a Wheat.	1	85a. Curtis, Geo. M., Gates. Wheat.	1
b Oats.	3	86. Daniels, Avery A., Medina.	
63. Childs, W. E., Seneca Castle.		a Oats.	3
a Oats.	3	b Barley.	4
b Barley.	4	87. Davison, G. Howard, Millbrook. Corn.	2
64. Church, Perry, Millville.		88. Davis, Robert O., Ballston. Wheat.	1
a Wheat.	1	89. Decker, George W., Monticello. Corn.	2
b Oats.	3	90. Densmore, Thomas, Flint. Buckwheat.	7
65. Clark, A. Mead, Bedford. Wheat.	1	91. DeRider, J. S., Charlton. Oats.	3
65a. Clark, C. E., Rushville. Wheat.	1	92. Denal, Stephen T., Little Rest. Oats.	3
66. Clark, Daniel, Lyndonville. Corn.	2	93. Deyo, Luther E., Clintondale. Corn.	2
67. Clark, George S., Milton. Corn.	2	94. Bidama, J. E., Medina.	
68. Clark, John G., Bedford.		a Wheat.	1
a Corn.	2	b Barley.	4
b Oats.	3	95. Diefendorf, W. W., Fort Plain. Corn.	2
69. Clark, V. W., West Bethany. Bar- ley.	4	96. Donald, N., Horseheads. Grasses.	8
70. Clark, W. P., Washingtonville.		97. Doody, J. C., Medina.	
a Corn.	2	a Wheat.	1
b Oats.	3	b Barley.	4
71. Cochran, Peter, Medina.		98. Dorf, George, Elmira. Oats.	3
a Wheat.	1	99. Dorman, W., Billsborough. Corn.	2
b Barley.	4	100. Duncan, A., Owego.	
72. Collins, Cholett, Victor. Oats.	3	a Rye.	5
73. Connell, Frank, De Ruyter.		b Buckwheat.	7
a Corn.	2	c Barley.	4
b Oats.	3	Eastman, C. F., Woodville. Corn.	2
74. Cook, H. C., Dundee.		101a. Elderkin, S. H., Cooperstown. Corn.	2
a Wheat.	1	102. Eldridge, A. J., Leon. Corn.	2
b Corn.	2	103. Eldridge, William B., Tanglewilde. Corn.	2
c Oats.	3		
d Buckwheat.	7		
74a. Cook, W. E., Flint. Oats.	3		

## Cereals, Grains and Forage Plants

Exhibit No.	Class No.	Exhibit No.	Class No.
104. Ethell, W. G., Reeds Corners. Wheat. 1		134. Gotts, Albert G., Medina. a Wheat. 1	
105. Espensheid, N., Sodus. Barley. 4		b Oats. 3	
106. Ferguson, Edward, Orleans. a Corn. 2		b Barley. 4	
b Barley. 4		135. Grant, Allen, Danby. a Oats. 3	
107. Ferguson, Summer, Orleans. Corn. 2		b Buckwheat. 7	
108. Finnegan, T., Brookfield. Barley. 4		136. Gray, Fred., Jeddo. a Wheat. 1	
109. Fisher, Abel, Ithaca. Corn. 2		b Oats. 3	
110. Fisher, Alexander, Ithaca. Corn. 2		137. Gray, George, Millville. a Wheat. 1	
111. Fisher, George, Heady Creek. Rye. 5		b Barley. 4	
112. Fisher, John, Ridgeway. a Wheat. 1		138. Gray, James H., Lima. Wheat. 1	
b Oats. 3		139. Green, William, Mt. Kisco. Corn. 2	
113. Fisher, S. J., Millers. Corn. 2		140. Gregory, C. P., Geneva. a Wheat. 1	
114. Fisher, W. H., Delhi. a Wheat. 1		b Corn. 2	
b Corn. 2		c Oats. 3	
c Oats. 3		d Barley. 4	
115. Fish, J. F., Waterloo. a Wheat. 1		141. Griffin, Edward, Owego. Corn. 2	
b Oats. 3		142. Griffin, J. M., Adamsville. Buckwheat. 7	
116. Flagler, Fred R., Mechanicsville. Oats. 3		143. Griffin, W. F., Broadalbin. Oats. 3	
117. Fols, W. P., Herkimer. Wheat. 1		144. Griffith, B. F., Wyoming. Wheat. 1	
118. Ford, S., Elba. Wheat. 1		145. Grinnell, A. D., East Shelby. Barley. 4	
119. Foshader, Charles, Medina. a Wheat. 1		146. Haight, Clark, Oak Summit. Barley. 4	
b Oats. 3		147. Hall, P. A., Seneca Castle. Corn. 2	
120. Fox, David, Spffern. Wheat. 1		148. Ham, Henry, Lyndonville. a Wheat. 1	
121. Fox, William, Clifton Springs. b Corn. 2		b Corn. 2	
a Wheat. 1		149. Hamilton, William, Caledonia. a Wheat. 1	
b Corn. 2		b Barley. 4	
c Oats. 3		150. Hart, George, Spencerport. a Corn. 2	
d Barley. 4		b Oats. 3	
122. Fox, William F., Medina. a Wheat. 1		151. Hartman, Warren, Kingsbury. Barley. 4	
b Oats. 3		152. Hasbrouck, Hiram, Loyd. Rye. 5	
123. Frear, Alexander, Ithaca. a Wheat. 1		153. Haslett, Edwin, Seneca Castle. a Oats. 3	
b Corn. 2		b Barley. 4	
124. Frisbie, Osmond, Westport. Barley. 4		154. Havens, John S., Patchogue. a Wheat. 1	
125. Fuller, George, Medina. Oats. 3		b Corn. 2	
126. Fuller, H. B., Lyndonville. Oats. 3		155. Haverling, George S., Bath. Corn. 2	
127. Fuller, Myron, Medina. a Wheat. 1		156. Haviland, Peram, Glens Falls. Corn. 2	
b Oats. 3		157. Haviland, W. J., Glens Falls. a Corn. 2	
c Barley. 4		b Oats. 3	
128. Ferguson, R. B., Orleans. Corn. 2		158. Havalind & Hull, Glens Falls. a Rye. 5	
129. Galusha, George, Orleans. Corn. 2		b Buckwheat. 7	
130. Ganung, Jarvis, Ithaca. Wheat. 1			
131. Gage, Edwin L., De Ruyter. a Wheat. 1			
b Oats. 3			
132. Gardner, J., Lyons. Wheat. 1			
133. Gillett, Willis A., Medina. Barley. 4			

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
159. Hawley, M. L., Lyndonville.		184. Johnson, Erastus, Spring Valley.	
a Wheat.	1	a Corn.	
b Oats.	3	b Oats.	
160. Heath, Eugene, Shortsville.	Oats. 3	185. Jolly, Isaac, West Fayette.	
161. Henry, George, Chapinville.	Corn. 2	a Wheat.	
162. Hibbard, C. M., Sprout Brook.		b Corn.	
a Wheat.	1	c Barley.	
b Corn.	2	186. Jones, John W., Elmira.	
c Oats.	3	a Wheat.	
163. Hill, A. L., Knowlesville.		b Rye.	
a Wheat.	1	187. Jones, Prosser, Seneca Castle. Buck	
b Oats.	3	wheat.	
c Barley.	4	188. Jones, R. H., Clifton Springs.	Oats
164. Hill, Edward S., Peruville.	Buck-		
wheat.	7	189. Kennedy, C. B., Belleville.	Barley.
165. Hill, Kate B., Medina.		190. King, H. N., Orleans.	Barley.
a Wheat.	1	191. Kingsford, Thomas, Oswego.	
b Oats.	3	a Wheat.	
c Barley.	4	b Corn.	
166. Hill, S. S., & Son, Knowlesville.		c Barley.	
a Wheat.	1	d Rye.	
b Oats.	3	192. King, T. H., Trumansburg.	Corn. 2
167. Hisart, John, Mohawk.	Corn. 2	193. Knapp, A. N., Seneca Castle.	Corn. 2
168. Hisert, George, Mohawk.	Corn. 2		
169. Hoag, J. E., Easton.	Corn. 2	194. Knapp, Silas, Middleport.	Corn. 2
170. Hocroft, M. R., Hopeville.		195. Kosky, Stephen, Ithaca.	Wheat. 1
a Wheat.	1	196. L'Hommedieu, W., Medina.	
b Corn.	2	a Corn.	
171. Hogan, Clarence, Waterloo.		b Oats.	
a Wheat.	1	c Barley.	
b Oats.	3	197. Lake, John W., Medina.	Wheat. 1
172. Holland, James, Seneca Castle.		198. La Monte, C. M., Oswego.	
Corn.	2	a Wheat.	
173. Hopkins, F. B., Bath.	Corn. 2	b Oats.	
174. Hopkins, F. E., Millville.		199. Lanning, John W., Ithaca.	
a Wheat.	1	a Corn.	
b Barley.	4	b Oats.	
175. Hopkins, George, Ithaca.	Corn. 2	200. Larison, J. J., Blodgett Mills.	Corn. 2
176. Horn, Henry, Lyons.	Wheat. 1	201. Lasher, Nelson, Broadalbin.	Corn. 2
177. Horning, A., Phelps.	Wheat. 1	202. Laub, D. A.	
178. Howard, William A., Albion.	Bar-	a Wheat.	
ley.	4	b Corn.	
179. Howe, David, Weedsport.	Corn. 2	c Barley.	
180. Howell, S. D., Millville.		203. Leach, A. T., Lyons.	Barley. 4
a Wheat.	1	204. Leathersich, David, Caledonia.	Corn. 2
b Oats.	3		
c Barley.	4	205. Lee, R. M., South Bloomfield.	Corn. 2
181. Howland, John, Gloversville.		206. Lee, C. L., Ellisburgh.	
a Corn.	2	a Wheat.	
b Oats.	3	b Corn.	
c Rye.	5	c Oats.	
d Buckwheat.	7	207. Lee, Frank L., Ellisburgh.	Corn. 2
182. Isham, W. B., New York.		208. Lee, Gene., Ellisburgh.	
a Corn.	2	a Oats.	
b Oats.	3	b Rye.	
c Rye.	5	209. Leonard, Charles, Shelby Centre.	
183. Ives, F. O., South Easton.	Corn. 2	a Wheat.	
		b Oats.	
		c Barley.	

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
210. Leutz, William, Lockport. Wheat.	1	235. Maxson, Franklin, De Ruyter. Oats.	3
211. Lincoln, O. M., Newark.			
a Corn.	2	236. Maynard, Mrs. O. E., Waterloo.	2
b Barley.	4	Corn.	2
212. Lindke, William, Shelby Centre.		237. Miller, E. D., Millers. Buckwheat.	7
a Wheat.	1	238. Miller, Harmon, Lyons.	
b Oats.	3	a Wheat.	1
213. Link, W. H., Reeds Corners. Corn.	2	b Corn.	2
214. Lobbett, J. J., North Ridgeway.		239. Miller, James, Penn Yan. Wheat.	1
a Wheat.	1	240. Miller, John W., Palatine Bridge.	5
b Oats.	3	Rye.	
215. Longwell, Carver, Bradford. Corn.	2	241. Mitchell, Frank, Ithaca. Buckwheat.	7
216. Lowman, F. C., Nichols. Corn.	2		
217. Loveland, Albert, Albion. Corn.	2	242. Mix, Charles N., Albion. Corn.	2
218. Lowe, Manford, Leon. Oats.	3	243. Moak, William, Lyons. Barley.	4
219. Luttenton, J. H., East Carleton.		244. Moore, John S., Medina.	
a Corn.	2	a Wheat.	1
b Rye.	5	b Corn.	2
c Buckwheat.	7	c Oats.	3
220. McAvooy, J., Medina. Barley.	4	245. Moore, Reuben, Chatham.	
221. McCann, John, Elmira.		a Corn.	2
a Corn.	2	b Oats.	3
b Oats.	3	c Rye.	5
222. McCargar, P. R., Shelby Centre.		246. Morgan, George, Easton. Corn.	2
a Wheat.	1	247. Morse, Edward H., Canandaigua.	4
b Barley.	4	Barley.	
223. McCarty, Milan, Throopsville. Corn.	2	248. Muiser, Richard, Suffern.	
		a Rye.	5
224. McCauley, Margaret, Clifton Springs.		b Buckwheat.	7
Wheat.	1	249. Murdock, Fred, Medina. Barley.	4
225. McCormick, A. J., Medina. Wheat.	1	250. Murphy, Arthur, Seneca Castle. Corn.	2
226. McCullough, Andrew, Monticello.		251. Nellis, John W., Palatine Bridge.	2
Buckwheat.	7	Corn.	
227. McGrain, Daniel, MacDougalls.		252. Newcomb, A. J., Flint. Corn.	2
Corn.	2	253. Newell, E. S., De Ruyter. Oats.	3
228. McNall, Albion.		254. Newell, Roger, Huron. Barley.	4
a Wheat.	1	255. Newland, William, Orleans. Oats.	3
b Corn.	2	256. Newman, William O., Ithaca. Corn.	2
c Barley.	4	257. Newton, John, Hopewell Centre.	
229. McPherson, D., Caledonia. Corn.	2	a Wheat.	1
230. McVean, J. J., Johnstown.		b Corn.	2
a Corn.	2	c Barley.	4
b Oats.	3	258. Nichols, Peter F., Lewis. Rye.	5
c Rye.	5	259. Nichols, Scott, Adamsville.	
231. Mackey, D. D., Highland.		a Corn.	2
a Wheat.	1	b Rye.	5
b Corn.	2	260. Norris, A. H., Morganville. Barley.	4
c Oats.	3	261. Nuteaway, Peter, Schoharie. Rye.	5
232. Mack, J. W., Albion.		261a. Ontario County Exhibit, Canandaigua.	
a Wheat.	1	Oats.	3
b Corn.	2	262. Oaker, J. S., New Haven. Corn.	2
c Barley.	4	263. Paine, E. C., Albion. Corn.	2
233. Marsh, David, Cuylerville. Corn.	2	264. Paine, John, Greece.	
234. Marshall, B., Waterloo.		a Wheat.	1
a Wheat.	1	b Oats.	3
b Corn.	2	c Barley.	4
c Oats.	3	265. Parker, T. F., Clifton Springs. Oats.	3
d Barley.	4		
234a. Mason, Franklin, De Ruyter. Oats.	3	266. Payne, George, Hillsborough. Wheat.	1

## Cereals, Grasses and Forage

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
159. Hawley, M. L., Lyndonville.	1	184. Jones,	1
a Wheat.	1	a Corn.	1
b Oats.	3	b Oats.	3
160. Heath, Eugene, Shortsville.	Oats. 3	185. Jones,	1
161. Henry, George, Chapinville.	Corn. 2	a Wheat.	1
162. Hibbard, C. M., Sprout Brook.	1	b Corn.	1
a Wheat.	1	c Barley.	1
b Corn.	2	186. Jones,	1
c Oats.	3	a Wheat.	1
163. Hill, A. L., Knowlesville.	1	b Rye.	1
a Wheat.	1	187. Jones,	1
b Oats.	3	wheat.	1
c Barley.	4	188. Jones,	1
164. Hill, Edward S., Peruville.	Buck- wheat. 7	189. Kenne- dy,	1
165. Hill, Kate B., Medina.	1	190. King, F.	1
a Wheat.	1	191. Kingsfo- rd,	1
b Oats.	3	a Wheat.	1
c Barley.	4	b Corn.	1
166. Hill, S. S., & Son, Knowlesville.	1	c Barley.	1
a Wheat.	1	d Rye.	1
b Oats.	3	192. King, T.	1
167. Hisart, John, Mohawk.	Corn. 2	193. Knapp,	1
168. Hisert, George, Mohawk.	Corn. 2	194. Knapp, S.	1
169. Hoag, J. E., Easton.	Corn. 2	195. Kosky,	1
170. Hocroft, M. R., Hopeville.	1	196. L'Homme,	1
a Wheat.	1	a Corn.	1
b Corn.	2	b Oats.	1
171. Hogan, Clarence, Waterloo.	1	c Barley.	1
a Wheat.	1	197. Lake, John	1
b Oats.	3	198. La Monte,	1
172. Holland, James, Seneca Castle.	2	a Wheat.	1
Corn.	2	b Oats.	1
173. Hopkins, F. B., Bath.	Corn. 2	199. Lanning, J.	1
174. Hopkins, F. E., Millville.	1	a Corn.	1
a Wheat.	1	b Oats.	1
b Barley.	4	200. Larison, J.	1
175. Hopkins, George, Ithaca.	Corn. 2	201. Lasher, Nel-	1
176. Horn, Henry, Lyons.	Wheat. 1	202. Laub, D. A.	1
177. Horning, A., Phelps.	Wheat. 1	a Wheat.	1
178. Howard, William A., Albion.	Bar- ley. 4	b Corn.	1
179. Howe, David, Weedsport.	Corn. 2	c Barley.	1
180. Howell, S. D., Millville.	1	203. Leach, A. T.	1
a Wheat.	1	204. Leathersich,	1
b Oats.	3	205. Lee, R. M.,	1
c Barley.	4	206. Lee, C. L., E.	1
181. Howland, John, Gloversville.	2	a Wheat.	1
a Corn.	2	b Corn.	1
b Oats.	3	c Oats.	1
c Rye.	5	207. Lee, Frank L.	1
d Buckwheat.	7	208. Lee, Gene., E.	1
182. Isham, W. B., New York.	2	a Oats.	1
a Corn.	2	b Rye.	1
b Oats.	3	209. Leonard, Cha-	1
c Rye.	5	a Wheat.	1
183. Ives, F. O., South Easton.	Corn. 2	b Oats.	1
		c Barley.	1

## Forage Plants.

ibit	Class'n No.
Teeter, Andrew J, Ithaca.	
a Wheat.	1
b Corn.	2
c Oats.	3
Tennant, E. M., Willet. Oats.	3
Thorn, John W., Highland.	
a Corn.	2
b Buckwheat.	7
Thompson, G. S., Amenia. Corn.	2
Thompson, E. N., Meredith. Rye.	5
Thorne, Henry, Lyndonville. Wheat.	1
Tillbury, Herman, Owego. Rye.	5
Tillson, Oliver J., Highland.	
r Rye.	5
Buckwheat.	7
immerman, Anm., Medina. Barley.	4
inkham & Sims, Akron. Barley.	4
ownsend, L. M., Lodi.	
Wheat.	1
Corn.	2
Oats.	3
ownsend, O. K., Ithaca. Oats.	3
reichler, E. J., Sanborn.	
Wheat.	1
Corn.	2
ickey, R., Bristol Springs. Oats.	8
urner, Samuel, Lyndonville.	
Wheat.	1
Oats.	3
ttle, Chas. N., Clockville.	
Wheat.	1
Barley.	4
Rye.	5
dyke, C., West Fayette. Oats.	3
n Horne, M. A., Cooperstown.	3
n Horn, William, Middleport.	2
n Sickie, G., MacDougalls. Oats.	3
n Wagener, Jared, Lawyersville.	3
Wife, Canajoharie. Corn.	2
Wife, Daniel, Palatine Bridge.	
orn.	2
ye.	5
uckwheat.	7
burg, C. L., Geneva.	
orn.	2
uckwheat.	7
it, Elmore, Easton. Corn.	2
lters, Harry J., Lisle. Oats.	3
iker, T. M., Angelica. Oats.	3
yne, W. P., Orleans. Corn.	2
aster, J. D., & Son, Medina.	3
oster, Lester, Flint. Wheat.	1
ed, James L., Ballston Spa. Corn.	

## Cereals, Sugars, Syrups, Farm Products.

Exhibit L No.	Class'n. No.	Exhibit No.
379. Weld, John M., Medina. Wheat.	1	409. Yates County Exhibit, Penn a Oats. b Barley. c Buckwheat.
380. Wheeler, George A., South Bloom- field.		410. Young, E. J., Elmira. Whea 410a. Young, Josiah, Tallman. Co 411. Zeh, Stephen W., Schoharie. wheat.
a Wheat.	1	
b Barley.	4	
381. Wheeler, Horace, Fayetteville. Wheat.	1	
382. Wheeler, Jesse A., South Bloomfield. Corn.	2	
383. Whipple, William, Medina. a Wheat.	1	
b Corn.	2	
c Oats.	3	
384. White, Nathan, Mount White. Corn.	2	
384a. Whitney, C. P., Orleans. Oats.	3	
385. Whitney, J. H., Millville. Barley.	4	
386. Whittaker, Wm. E., Knowlesville. Barley.	4	
387. Whittleton, James, Medina. Oats.	3	
388. Wilcox, Amos, Jamestown. a Corn.	2	
b Oats.	3	
389. Wilcox, Jones, East Chatham. Corn.	2	
390. Wilkie, C. W., Flint. Oats.	3	
391. Williams, C. F., Middleport. Corn.	2	
392. Williams, D. E., Geneva. Corn.	2	
393. Wilson, A. N., Lyndonville. Corn.	2	
394. Wilson, A. W., Millville. Corn.	2	
395. Wilson, Irving B., Bristol Springs. Barley.	4	
396. Wilson, Oliver, Highland. Rye.	5	
397. Wilson, William V., Medina. Barley.	4	
398. Wolverton, Peter, Canandaigua. a Wheat.	1	
b Barley.	4	
399. Wooden, H. S., Geneva. Corn.	2	
400. Wooden, J. H., Waterloo. a Wheat.	1	
b Rye.	5	
401. Wood, James, Mount Kisco. Corn.	2	
402. Wood, Lewis, Suffern. Corn.	2	
403. Wood, M. W., Woodville. Wheat.	1	
404. Woodruff, John, Wadhams Mills. Wheat.	1	
405. Woodruff, John R., Westport. Corn.	2	
406. Wood, S. T., Woodville. Wheat.	1	
406a. Wright, Geo. K., & Son., North Ridge. Wheat.	1	
07. Wyman, Berry, Millville. a Wheat.	1	
b Barley.	4	
408. Yarter, A., Sandy Hill. Rye.	5	

## Farm Products, Dairy and Dairy Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
35. Florey, Cubitt, Shelby Centre. Beans.	32	474. Simpkins, Irving, Medina. Beans.	32
36. Fuller, George, Medina. Beans.	32	475. Starr, H. M., Medina. Beans.	32
37. Fuller, H. B., Lyndonville. Beans.	32	476. Tinkham, Morris, East Shelby. Beans.	32
38. Furguson, R. B., Orleans. Beans.	32	477. Townsend, O. K., Ithaca. Beans.	32
39. Gillett, A. M., Knowlesville. Beans.	32	478. Turner, Samuel, Lyndonville. Beans.	32
40. Gillett, E., Oak Orchard. Beans.	32	479. Tupper, J. C., Holley. Beans.	32
41. Gotts, Albert G., Medina. Beans.	32	480. Wadsworth, W. A., Chapinsville. Beans.	32
42. Gould, H. D., Yates. Beans.	32	481. Waterbury, A. B., Lyndonville. Beans.	32
42a. Gray, C. W., Rochester. Pease.	32	482. Webster, J. D., & Son, Medina. Beans.	32
43. Gray, Fred., Jeddo. Beans.	32	483. Whittleton, Jacob, Medina. Beans.	32
44. Grimes, William, Oak Orchard. Beans.	32	484. Whilkie, C. W., Flint. Beans.	32
45. Grinnell, W. H., Piermont Manor. Beans.	32	485. Wilson, Wm. V., Medina. Beans.	32
46. Hawley, M. L., Lyndonville. Beans.	32	486. Whitney, J. H., Millville. Beans.	32
47. Hill, H. C., Clifton Springs. Beans.	32	487. Whittaker, Wm. R., Knowlesville. Beans.	32
48. Howard, J. E., Canandaigua. Beans.	32	488. Yaxley, T. A., Ridgeway. Beans.	32
49. Hutchinson, A., Gaines. Beans.	32	GROUP 7. Dairy Building.	
50. James, A. D., Knowlesville. Beans.	32	488a. Abell, Emory D., Franklin. Butter.	42
51. Johnson, Seymour P., East Schuyler. Beans.	32	489. Ackler, Mrs. Nelson., Ilion. Butter.	42
52. Keefe, C., Shelby Centre. Beans.	32	490. Alexander, W. A., Scipioville. Butter.	42
53. Kosky, Stephen, Ithaca. Beans.	32	491. Alger, Geo. S., Martinsburg. Cheese.	43
54. Kress, Edward, Spencerport. Beans.	32	491a. Anderson, Wm., Jr., Delhi. Butter.	42
55. Larison, J. J., Blodgett Mills. Beans.	32	492. Angell, J. M., New Berlin. Butter.	42
56. Lee, Ora, Millville. Beans.	32	493. Arbuckle, P. B., Delhi. Butter.	42
57. Leonard, Charles, Shelby Center. Beans.	32	494. Archibald, Jas. R., Bovina. Butter.	42
58. Luttonton, J. H., East Carleton. Beans.	32	495. Archibald, R. A., Bovina. Butter.	42
59. Mack, J. W., Albion. Beans.	32	498. Anken, Fred., Boonville. Cheese.	43
60. McBain, A. D., Brockport. Beans.	32	499. Ayers & McKinney, Meredith. Butter.	42
61. McCann, James D., Elmira. Beans.	32	499b. Backus, F. H., Scriba. Cheese.	43
62. Paine, F. W., Albion. Beans.	32	500. Bailey, Jacob, Bovina Centre. Butter.	42
63. Paine, John, Greece. Beans.	32	500a. Bailey & Hallock, South Jefferson. Butter.	42
64. Payne, George, Hillsborough. Beans.	32	501. Baker, A. D., Aurelius. Butter.	42
65. Pickett, Daniel, Millville. Beans.	32	503. Baker, J. H., Aurelius. Butter.	42
66. Pierce, Romanzo, Lyndonville. Beans.	32	503a. Baker, L. A., Aurelius. Butter.	42
67. Pierson, M. F., Seneca Castle. Beans.	32	504. Baldwin, A. P., South Otselic. Butter.	42
68. Pomeroy, Norman, Lockport. Beans.	32	505. Barber & Miner, Oxford. Cheese.	43
69. Pratt, L., County Line. Beans.	32	506. Bartlett, G. L., Edwards. Cheese.	43
70. Preston, E., Pittsford. Beans.	32	506a. Bartlett, S. G., Laona. Cheese.	43
71. Rallett, E. C., MacDougalls. Beans.	32	506b. Bartlett, Willis C., Laona. Cheese.	43
72. Reissugue, G., Millers. Beans.	32		
73. Ross, W. F., Knowlesville. Beans.	32		

## Dairy and Dairy Products.

Exhibit No.	Class'n No.	Exhibit No.
506c. Bell, E. R., Delhi. Butter.	42	530. Cotton, A. S., Clifton Springs ter.
506d. Belden, John, Moons. Cheese.	43	531. Cottrell, H. M., Rhine Cliff. I
506e. Bellows, James H., Sinclairville. Cheese.	43	531a. Craft, Daniel, Stamford. Butt
507. Benedict & Son, P. F., Delhi. Butter.	42	532. Craig, John, Jr., Delhi. Butte
508. Berry, John H., Spragueville. Cheese.	43	532a. Crapser, E. S., Waddington. ter.
508a. Beswick, J. E., Morley. Butter.	42	532b. Cross, Corvia T., Charlotte C Cheese.
509. Biggar, A. C., Pepacton. Butter.	42	533. Curd, I., Owego. Butter.
510. Birdsall, E. H., Bovina Center. Butter.	42	534. Currie, James H., Delhi. Butt
511. Blakely, J. P., East Meredith. Butter.	42	534a. Dales, Edmund, Hobart. Butte
512. Boggs, Geo. A., Stamford. Butter.	42	535. Davis, Nathan, East Randolph Cheese.
513. Borthwick, W. A., Delhi. Butter.	42	535a. Davis, F. W., Fort Jackson. ter.
515. Boyd, Geo., Norwich. Cheese.	43	535b. Dewey, L. L., Lawrenceville. ter.
516. Brett, James, McDonough. Butter.	42	535c. Dewitt, Mrs. J. C., Bath. Butter
517. Bristow, James, Sinclairville. Cheese.	43	536. Dibble, Onslow, Franklin. B
518. Brooks, A., Owego. Butter.	42	537. Drown, J. P., East Meredith. ter.
519. Brown, Hiram, Canton. Butter.	42	538. Dryden, Geo. J., Copenhagen. Ch
520. Bugee, J. E., Centralia. Cheese.	43	539. Dunn, A. T., South Kortright. ter.
521. Burgurru, M., Forestville. Cheese.	43	540. Dysart, Alex. S., Delhi. Butter
522. Carpenter, F. P., Kanona. Butter.	42	540a. Dygert, Peter, Kanona. Butter.
523. Carpenter, Zenas, East Randolph. Cheese.	43	541. Easton, G. R., Lowville. Cheese
524. Case, E. M., Delhi. Butter.	42	541a. Eddy, A. S., McDonough. Bu
524a. Chamberlain, J. M., Kanona. Butter.	42	541b. Edmunds, F. W., Sherman. Che
524b. Chambers, C. H., North Lawrence. Butter.	42	542. Edwards, F. W., Sherman. Butter
524c. Champlin, Giles S., Jr., Ruth. Butter.	42	542a. Effner, L. Dow, Jefferson. Butter
524d. Champlin, J. Perry, Ruth. Butter.	42	542b. Elliott, K. C., Buckton. Butter.
524e. Chandler, H. G., & Son, Ogdensburg. Butter.	42	543. Empire Cheese Co., New Berlin. Cheese.
525. Clark, E. S., Norwich. Butter.	42	543a. Erwin, Arthur J., Charlotte Cen Cheese.
525a. Clark, F. L., Charlotte Center. Cheese.	43	543b. Erwin, B. G., Sinclairville. Che
525b. Cleland, O. M., Charlotte Center. Cheese.	43	543c. Erwin, W. M., Charlotte Cen Cheese.
525c. Clive, Robt., Delhi. Butter.	42	543d. Erwin, James, Sinclairville. Che
526. Collins, Frank, Ellington. Cheese.	43	543e. Erwin, D. W. C., Massena. But
526a. Collins Center, Collins. Cheese.	43	544. Evans, Roland, Glendale. Cheese.
526b. Collins Factory, Collins. Cheese.	43	544a. Every, A., East Meredith. Butt
526c. Conan, D. A., East Randolph. Cheese.	43	545. Every, Nehemiah, Delhi. Butter.
526d. Conner, Jas., East Meredith. Butter.	42	545a. Ferris, Geo. L., Atwaters. Butt
526e. Conner, Geo. H., East Meredith. Butter.	42	546. Finster, I. E., Lacona. Cheese.
527. Converse, J. H., Southville. Butter.	42	547. Fisher, Geo. J., Delhi. Butter.
528. Cook, C. B., Cazenovia. Butter.	42	548. Fisk, D., Owego. Butter.
529. Cooper, W. H., Laona. Cheese.	43	

## Dairy and Dairy Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
549. Flaherty, W. H., Massena. Cheese.	48	565. Holmes, Thos., & Son, Lamont. But- ter.	42
549a. Forbes, R. H., West Stockholm. Butter.	42	566. Hotaling, John, Franklin. Butter.	42
549b. Frank, Wilber, Franklin. Butter.	42	567. Howland, E. B., Walton. Butter.	42
550. Frazee, E. C., South Gilboa. Butter.	42	568. Humbleton, W. N., De Wittville. Cheese.	43
551. Garline, Seaman, Little Falls. But- ter.	42	569. Hume, H. H., Delhi. Butter.	42
552. Gates, F. H. & Sons, Chittenango. Butter.	42	569a. Hungerford, Mrs. Wm., Ithaca. But- ter.	42
553. George, James D., Delhi. Butter.	42	570. Hunt, Chas. R., Franklin. Butter.	42
553a. Gerber, John, New York. Cheese.	48	570a. Hunt, Mason, Sinclairville. Cheese.	43
553b. Gibson, Mrs. F. F., South Kortright. Butter.	42	571b. Huntington, Charles, Moons. Cheese.	43
554. Gilbert, W. H., Richland. Cheese.	48	571c. Hutson, T. R., Delhi. Butter.	42
554a. Gleason, Henry, Charlotte Center. Cheese.	43	572. Irwin, J. M., Sinclairville. Cheese.	43
555. Glendening, John C., Delhi. Butter.	42	572a. Jackson, J. T., Franklin. Butter.	42
555a. Glendening, J. C., Delhi. Butter.	42	572b. Jackson, W. F., Charlotte Center. Cheese.	43
556. Goldsmith, John M., Franklin. But- ter.	42	573. Johnson, Geo., Collins. Butter.	42
557. Gooding, Henry B., Grafton. Butter.	42	577. Johnson, L. A., Collins. Cheese.	43
558. Gowanda Factory, Collins. Cheese.	43	577a. Jones, W. S., & Son, Ruth. Butter.	42
559. Graves, B. M., Lowville. Cheese.	43	578. Kan, Michael, Boonville. Butter.	42
559a. Gray, S. S., Winthrop. Butter.	42	578a. Kemp, Mrs. Peter, Delhi. Butter.	42
559b. Green, W. F., Sherman. Cheese.	43	578b. Kessler, Chas., Pope. Cheese.	43
559c. Gregory, Willard F., Stamford. But- ter.	42	578c. King, John H., Hobart. Butter.	42
560. Griswold, G. M., Oswego. Butter.	42	578d. Kinney, J. M., Pine Bush. Butter.	42
560a. Grove Spring Creamery Co., Big Flax. Butter.	42	579. Kirkland Creamery Co., Kirkland. Butter.	42
560b. Gurnsey, James, Woodhull. Butter.	42	579a. Kittle, Owen, Jasper. Butter.	42
561. Hall, Clarence L., Gouveneur. Cheese.	43	579b. Knox, J., Hermon. Butter.	42
561a. Hamilton, C. J., Stamford. Butter.	42	579c. Kroon, B., Delhi. Butter.	42
561b. Hanford, C. O., East Meredith. But- ter.	42	579d. Lathrop, H. N., Franklin. Butter.	42
561c. Hanford, D. J., East Meredith. But- ter.	42	579e. Lawman, E. M., Lawman. Butter.	42
561d. Hardy, Oliver T., Buckton. Butter.	42	580. Lawrence & Durland, Chester. Cheese.	43
561e. Harper, Henry, Sinclairville. Cheese.	48	581. Leasmouth, C. G., Forestville. Cheese.	43
561f. Harper, T. J., Shumla. Cheese.	43	582. Leonard, Theodore H., Crary's Mills. Butter.	42
561g. Harrington, C. D., Plymouth. Butter.	42	583. Lemen, W. H., Pope. Cheese.	43
561h. Harrington, Mrs. H. B., Castile. Butter.	42	583a. Lewis, Dell, Fredonia. Cheese.	43
561i. Harter, Norman, Little Falls. Cheese.	48	584. Lewis, John E., Morley. Butter.	42
561k. Harvey, Frank, South Stockton. Cheese.	43	585a. Lowman, E. M., Lowman. Butter.	42
562. Haster, H., Owego. Butter.	42	588. Lull, G., Owego. Butter.	42
563. Hetherington, S., East Meredith. Butter.	42	588a. Mable, George S., Delhi. Butter.	42
564. Hobert, John H., Chemug. Butter.	42	588b. Mable, James D., Delhi. Butter.	42
		589. Mable, R. A., Delhi. Butter.	42
		590. Maine, H. C., Hermon. Butter.	42
		592. Mallory, L., Moons. Cheese.	43
		592a. Marshfield Factory, Collins. Cheese.	43
		592b. Markham's Factory, Collins. Cheese.	43

## Dairy and Dairy Products.

Exhibit No.	Class'n No.	Exhibit No.
506c. Bell, E. R., Delhi. Butter.	42	530. Cotton, A. S., Clifton Springs ter.
506d. Belden, John, Moon. Cheese.	48	531. Cottrell, H. M., Rhine Cliff.
506e. Bellows, James H., Sinclairville. Cheese.	48	531a. Craft, Daniel, Stamford. But
507. Benedict & Soa, P. F., Delhi. Butter.	42	532. Craig, John, Jr., Delhi. Butter
508. Berry, John H., Spragueville. Cheese.	48	532a. Crapser, E. S., Waddington. ter.
508a. Beswick, J. E., Morley. Butter.	42	532b. Cross, Corvin T., Charlotte C Cheese.
509. Biggar, A. C., Pepacton. Butter.	42	533. Curd, I., Owego. Butter.
510. Birdsall, E. H., Bovina Center. Butter.	42	534. Currie, James H., Delhi. But
511. Blakely, J. P., East Meredith. But-ter.	42	534a. Dales, Edmund, Hobart. Butt
512. Boggs, Geo. A., Stamford. Butter.	42	535. Davis, Nathan, East Randolph Cheese.
513. Borthwick, W. A., Delhi. Butter.	42	535a. Davis, F. W., Fort Jackson. ter.
515. Boyd, Geo., Norwich. Cheese.	48	535b. Dewey, L. L., Lawrenceville. ter.
516. Brett, James, McDonough. Butter.	42	535c. Dewitt, Mrs. J. C., Bath. Butte
517. Bristow, James, Sinclairville. Cheese.	48	536. Dibble, Onslow, Franklin. B
518. Brooks, A., Owego. Butter.	42	537. Drown, J. P., East Meredith. ter.
519. Brown, Hiram, Canton. Butter.	42	538. Dryden, Geo. J., Copenhagen. Ch
520. Bugee, J. E., Centralia. Cheese.	48	539. Dunn, A. T., South Kortright. ter.
521. Burgurry, M., Forestville. Cheese.	48	540. Dysart, Alex. S., Delhi. Butter
522. Carpenter, F. P., Kanona. Butter.	42	540a. Dygert, Peter, Kanona. Butter
523. Carpenter, Zenas, East Randolph. Cheese.	48	541. Easton, G. R., Lowville. Chees
524. Case, E. M., Delhi. Butter.	42	541a. Eddy, A. S., McDonough. Bi
524a. Chamberlain, J. M., Kanona. But-ter.	42	541b. Edmunds, F. W., Sherman. Ch
524b. Chambers, C. H., North Lawrence. Butter.	42	542. Edwards, F. W., Sherman. Butte
524c. Champlin, Giles S., Jr., Ruth. But-ter.	42	542a. Effner, L. Dow, Jefferson. Butte
524d. Champlin, J. Perry, Ruth. Butter.	42	542b. Elliott, K. C., Buckton. Butter.
524e. Chandler, H. G., & Son, Ogdens-burg. Butter.	42	543. Empire Cheese Co., New Berlin. Cheese.
525. Clark, E. S., Norwich. Butter.	42	543a. Erwin, Arthur J., Charlotte Cen Cheese.
525a. Clark, F. L., Charlotte Center. Cheese.	48	543b. Erwin, B. G., Sinclairville. Che
525b. Cleland, O. M., Charlotte Center. Cheese.	48	543c. Erwin, W. M., Charlotte Cen Cheese.
525c. Clive, Robt., Delhi. Butter.	42	543d. Erwin, James, Sinclairville. Che
526. Collins, Frank, Ellington. Cheese.	48	543e. Erwin, D. W. C., Massena. But
526a. Collins Center, Collins. Cheese.	48	544. Evans, Roland, Glendale. Cheese.
526b. Collins Factory, Collins. Cheese.	48	544a. Every, A., East Meredith. But
526c. Conan, D. A., East Randolph. Cheese.	48	545. Every, Nehemiah, Delhi. Butter.
526d. Conner, Jas., East Meredith. But-ter.	42	545a. Ferris, Geo. L., Atwaters. But
526e. Conner, Geo. H., East Meredith. Butter.	42	546. Finster, I. E., Lacona. Cheese.
527. Converse, J. H., Southville. Butter.	42	547. Fisher, Geo. J., Delhi. Butter.
528. Cook, C. B., Cazenovia. Butter.	42	548. Fisk, D., Owego. Butter.
529. Cooper, W. H., Laona. Cheese.	48	

## Dairy and Dairy Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.		
549.	Flaherty, W. H., Massena. Cheese.	48	565.	Holmes, Thos., & Son, Lamont. Butter.	42
549a.	Forbes, R. H., West Stockholm. Butter.	42	566.	Hotaling, John, Franklin. Butter.	42
549b.	Frank, Wilber, Franklin. Butter.	42	567.	Howland, E. B., Walton. Butter.	42
550.	Frazee, E. C., South Gilboa. Butter.	42	568.	Humbleton, W. N., De Wittville. Cheese.	43
551.	Garline, Seaman, Little Falls. Butter.	42	569.	Hume, H. H., Delhi. Butter.	42
552.	Gates, F. H. & Sons, Chittenango. Butter.	42	569a.	Hungerford, Mrs. Wm., Ithaca. Butter.	42
553.	George, James D., Delhi. Butter.	42	570.	Hunt, Chas. R., Franklin. Butter.	42
553a.	Gerber, John, New York. Cheese.	43	571a.	Hunt, Mason, Sinclairville. Cheese.	43
553b.	Gibson, Mrs. F. F., South Kortright. Butter.	42	571b.	Huntington, Charles, Moons. Cheese.	43
554.	Gilbert, W. H., Richland. Cheese.	43	571c.	Hutson, T. R., Delhi. Butter.	42
554a.	Gleason, Henry, Charlotte Center. Cheese.	43	572.	Irwia, J. M., Sinclairville. Cheese.	43
555.	Glendening, John C., Delhi. Butter.	42	572a.	Jackson, J. T., Franklin. Butter.	42
555a.	Glendening, J. C., Delhi. Butter.	42	572b.	Jackson, W. F., Charlotte Center. Cheese.	43
555b.	Goldsmith, John M., Franklin. Butter.	42	573.	Johnson, Geo., Collins. Butter.	42
557.	Gooding, Henry B., Grafton. Butter.	42	577.	Johnson, L. A., Collins. Cheese.	43
558.	Gowanda Factory, Collins. Cheese.	43	577a.	Jones, W. S., & Son, Ruth. Butter.	42
559.	Graves, B. M., Lowville. Cheese.	43	578.	Kan, Michael, Boonville. Butter.	42
559a.	Gray, S. S., Winthrop. Butter.	42	578a.	Kemp, Mrs. Peter, Delhi. Butter.	42
559b.	Green, W. F., Sherman. Cheese.	43	578b.	Kessler, Chas., Pope. Cheese.	43
559c.	Gregory, Willard F., Stamford. Butter.	42	578c.	King, John H., Hobart. Butter.	42
560.	Griswold, G. M., Oswego. Butter.	42	578d.	Kinney, J. M., Pine Bush. Butter.	42
560a.	Grove Spring Creamery Co., Big Flats. Butter.	42	579.	Kirkland Creamery Co., Kirkland. Butter.	42
560b.	Gurnsey, James, Woodhull. Butter.	42	579a.	Kittle, Owen, Jasper. Butter.	42
561.	Hall, Clarence L., Gouverneur. Cheese.	43	579b.	Knox, J., Hermon. Butter.	42
561a.	Hamilton, C. J., Stamford. Butter.	42	579c.	Kroon, B., Delhi. Butter.	42
561b.	Hanford, C. O., East Meredith. Butter.	42	579d.	Lathrop, H. N., Franklin. Butter.	42
561c.	Hanford, D. J., East Meredith. Butter.	42	579e.	Lawman, E. M., Lawman. Butter.	42
561d.	Hardy, Oliver T., Buckton. Butter.	42	580.	Lawrence & Durland, Chester. Cheese.	43
561e.	Harper, Henry, Sinclairville. Cheese.	43	581.	Leasmouth, C. G., Forestville. Cheese.	43
561f.	Harper, T. J., Shumla. Cheese.	43	582.	Leonard, Theodore H., Crary's Mills. Butter.	42
561g.	Harrington, C. D., Plymouth. Butter.	42	583.	Lemen, W. H., Pope. Cheese.	43
561h.	Harrington, Mrs. H. B., Castile. Butter.	42	583a.	Lewis, Dell, Fredonia. Cheese.	43
561i.	Harter, Norman, Little Falls. Cheese.	43	584.	Lewis, John E., Morley. Butter.	42
561k.	Harvey, Frank, South Stockton. Cheese.	43	585a.	Lowman, E. M., Lowman. Butter.	42
562.	Haster, H., Oswego. Butter.	42	588.	Lull, G., Oswego. Butter.	42
563.	Hetherington, S., East Meredith. Butter.	42	588a.	Mable, George S., Delhi. Butter.	42
564.	Hobert, John H., Chemug. Butter.	42	588b.	Mable, James D., Delhi. Butter.	42
			589.	Mable, R. A., Delhi. Butter.	42
			590.	Maine, H. C., Hermon. Butter.	42
			592.	Mallory, L., Moons. Cheese.	43
			592a.	Marshfield Factory, Collins. Cheese.	43
			592b.	Markham's Factory, Collins. Cheese.	43

## Dairy and Dairy Products.

Exhibit No.	Class'n No.	Exhibit No.
592c. Martin, John R., North Blenheim. Butter.	42	613. Nichols, John O., Harpersville. ter.
592d. Mason, P. P., Bath. Butter.	42	614. Nicoll, Wm., Delhi. Butter.
594. Matteson, Henry S., Morris. Butter.	42	615. Noble, Mrs. H. M., Bath. Butter.
594a. McAdams, John, Forestville. Cheese.	43	616. Norton, Robert, & Co., Attica. Cheese.
594b. McAdams, Wm., Centralia. Cheese.	43	617. Norton, W. H., South Stoc. Cheese.
594c. McAllister, James, Sinclairville. Cheese.	43	620. Osborne, W. D., Port Byron. E
594d. McBain, A. D., Brockport. Butter.	42	620a. Ovenshire, F. C., Bath. Butte
594e. McClaran, Robert A., Charlotte Cen-ter. Cheese.	43	620b. Owen, Jas. H., Chemung. Butt
595. McDonald, Alex, Delhi. Butter.	42	621. Palmer, D. S., Franklin. Butte
596. McDonald, John T., Delhi. Butter.	42	621a. Parkhurst, J. I., Clymer. Chees
599. McGrath, Thomas W., New Boston. Cheese.	43	621b. Parsons, James, Moons. Chees
599a. McGregor, John A., Stamford. But-ter.	42	622. Pease, Howard N., Delhi. a Butter.
601. McKinney, H. J., Pine Bush. Butter.	42	b Cheese.
602. McLaury, D. P., Stamford. Butter.	42	622a. Peaslee, F., East Randolph. Ch
603. McMillen, John, Dresserville. But-ter.	42	622b. Peaslee, W. T., East Rand Cheese.
603a. Merrill, Chas. E., Franklin. Butter.	42	622c. Peters, Daniel W., Stamford. ter.
603b. Merrill, Daniel W., Franklin. But-ter.	42	622d. Peters, Eber V., Stamford. Bu
603c. Middlemis, J. R., Madrid. Butter.	42	622e. Peters, J. S., Stamford. Butter
604. Miller, A., Adams. Cheese.	43	623. Petrie, Alphonso, Middleville. Che
605. Miller, W. E., Hobart. Butter.	42	623a. Phillips, C. H., Addison. Butter
606. Miller, Wm. J., East Troupsburg. Butter.	42	624. Pickard & Baker, Hermon. Chees
607. Mitchell, H. H., East Meredith. But-ter.	42	626. Platt, H. N., McDonough. Butter
607a. Montague, M., Sinclairville. Cheese.	43	626a. Potter, Chas. O., Franklin. But
608. Montgomery, C., Nashville. Cheese.	43	626b. Powers, W. E., Forestville. Che
609. Moore, C. D., Lowville. Cheese.	43	628. Prentice, W., Owego. Butter.
609a. Moore, E. G., Oxford. Butter.	42	628a. Price, Wm. H., New York. Che
609b. Moore, J. Burke, Oxford. Butter.	42	628b. Purdy, Florena, Green. Butter.
609c. Moore, Mrs. J. W., Bath. Butter.	42	629. Purdy, Geo. A., McDonough. E ter.
610. Morehouse, Henry D., Ava. Cheese.	43	629a. Putnam, Deloss, Centralia. Chee
610b. Morten, Wm. H., Attica. Cheese.	43	630. Race, E. E., Greene. Butter.
610c. Morts, Marion C., Mohawk. Cheese.	43	631. Rankin, L. G., Little Falls. Cheese.
610d. Mowers, L., Milk Mills. Cheese.	43	632. Reed, James W., Caroline. Butter.
610e. Mowry, M. R., Oxford. Butter.	42	633. Reed, L. E., Sinclairville. Chee
611. Murphy, Francis, Pike. Butter.	42	633a. Reed, William, Sinclairville. Chee
611a. Neuchwander, J. & J., Monroe. Cheese.	43	634. Richards, E., Owego. Butter.
612. New York Agricultural Experiment Station, Geneva. Cheese.	43	635. Richardson, W. W., West Schuyl Cheese.
612a. Nichols, Austin & Co., New York. Cheese.	43	635a. Rider, T. A., Forestville. Chees
		635b. Roberts, Jos. I., East Meredith. Bu tor.

## Dairy and Dairy Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
67. Rockwell, L. S., Gilbertsville. Cheese.	43	662b. Smith, Monroe, East Randolph. Cheese.	43
67a. Rogers, Chas. S., Franklin. Butter.	42	662c. Smith, Murray H., Sinclairville. Cheese.	43
68. Root, C. P., Gilbertsville. Cheese.	43	663. Smith, T. W., Kanona. Butter.	42
68a. Rose, David, Ellington. Cheese.	43	664. Smith & Powell, Syracuse. Butter.	42
68b. Rothlisberger, R., New York. Cheese.	43	665. Spencer, Wm. C., Lowville. Cheese.	43
68c. Russell, John P., West Meredith. Butter.	42	666. Standard Butter Co., Owego. Butter.	42
68a. Rutherford, John T., Canton. Butter.	42	667. Starin, B. F., Kirkville. Cheese.	43
68b. Rutherford, Thos. T., Madrid. Butter.	42	667a. Stedman, Frank, Attica. Butter.	42
68c. Rutherford, W., Waddington. Butter.	42	668. Steele, Thomas L., Delhi. Butter.	42
68d. Rutherford, W. L., Waddington. Butter.	42	668a. Stevens, A. A., Charlotte Center. Cheese.	43
68e. Sanford, D. E., Nicholville. Butter.	42	668b. Stevens, M. E., Charlotte Center. Cheese.	43
68f. Sanford, N. B., Franklin. Butter.	42	669. Stevens, Nelson, West Groton. Butter.	42
68g. Sanford, R. J., Hopkinton. Butter.	42	669a. Steward, John, South Jefferson. Butter.	42
68h. Sanford, Ross M., Hobart. Butter.	42	669b. Stewart, C. A., Jefferson. Butter.	42
68i. Scheidell, Chas., Jeffersonville. Butter.	42	669c. Stewart, Hector, Hobart. Butter.	42
68j. Seager, B. D., Pope. Cheese.	43	670. Still, C. B., Theresa. Cheese.	43
68k. Seager, Geo. E., Randolph. Cheese.	43	671. Stone, E. L., Mannsville. Cheese.	43
68l. Searl, Jay H., Lowville. Cheese.	43	671a. Stotsenburg, W. G., Bloomville. Butter.	42
68m. Sharp, J. G., Howard. Cheese.	43	671b. Straight, J. P., Laona. Cheese.	43
68n. Shattuck, J. B., Cherry Creek. Butter.	42	671c. Strangeway, W. T., Delhi. Butter.	42
68o. Sheldon, G. B. & Son, Gouverneur. Butter.	42	672. Stuart, J. B., Delhi. Butter.	42
68p. Shepard, D. L., Mount Upton. Butter.	42	672a. Suttle, R., Downsville. Butter.	42
68q. Shipman, Chas., Owego. Butter.	42	673. Swift, Nathan W., Paines Hollow. Cheese.	43
68r. Shotts, A. M., State Line. Butter.	42	674. Taber, James E., Centralia. Cheese.	43
68s. Shutt, C. M., Stamford. Butter.	42	674a. Talcott, C. H., Massena Springs. Butter.	42
68t. Sigolet, James, Franklin. Butter.	42	675. Taylor, Clayton C., Lawton Station. Butter.	42
68u. Simpson, D. C., Jasper. Butter.	42	675a. Taylor, H. P., Stamford. Butter.	42
68v. Sinclair, W. A., Kanona. Butter.	42	675b. Tefft, Geo. H., South Stockton. Cheese.	43
68w. Sisson, Geo. W., Potsdam. Butter.	42	675c. Tefft, Lewis, South Stockton. Cheese.	43
68x. Sloat, Jack, Franklin. Butter.	42	676. Thompson, E. N., Delhi. Butter.	42
68y. Smith, Alpheus, Norwich. Cheese.	43	677. Thompson, J. L., Delhi. Butter.	42
68z. Smith, Miss Jennie D., Bath. Butter.	42	677a. Thompson, John M., Delhi. Butter.	42
68aa. Smith, Chas., East Meredith. Butter.	42	678. Thompson, Wm., Delhi. Butter.	42
68ab. Smith, James M., Bloomfield. Butter.	42	680. Thompson, Thomas, Sinclairville. Cheese.	43
68ac. Smith, Jackson, Herkimer. Cheese.	43	68a. Tower, L. H., Moana. Cheese.	43
68ad. Smith, John H., Forestville. Cheese.	43	68b. Tuttle, A. L., South Edmeston. Cheese.	43

## Dairy and Dairy Products, Hops, Animal and Vegetable Fibres, Miscellaneous

Exhibit No.	Class'n No.
686a. Tuttle, C. D., East Randolph. Cheese.	43
686b. Tuttle, C. L., East Randolph. Cheese.	43
686c. Tuttle, E. E., Jefferson. Butter.	42
686d. Union Factory, Collins. Cheese.	43
686e. Van Amburgh, Eber, Stamford. Butter.	42
687. Van Demark, W., Owego. Butter.	42
687a. Van Dyke, Edward, Delhi. Butter.	42
688. Van Etten, A., Owego. Butter.	42
689. Wager, I. A., North Brookfield. Cheese.	43
690. Wait, M. R., Canton. Cheese.	43
690a. Walker, M. H., Sinclairville. Cheese.	43
690b. Walker, J. B., Attica. Butter.	42
691. Walker, J. W., Charlotte Center. Cheese.	43
691a. Walworth, H. A., Greene. Butter.	42
693. Waterman, J., Owego. Butter.	42
693b. West, Concord, Collins. Cheese.	43
693c. Wheelock, S. C., North Winfield. Cheese.	43
695. Whitford, Leroy, & Son, Stow. Butter.	42
695a. Wilber, Frank, Franklin. Butter.	42
698. Wilcox, C. C., Oswego Falls. Butter.	42
698a. Wilder, J. D., Centralia. Cheese.	43
699. Wilson, Cyrus B., Fredonia. Cheese.	43
700. Wilson, W. R., Delhi. Butter.	42
701. Wooster, C. A., North Hammond. Cheese.	43
702. Wright, Geo. R., Marcy. Cheese.	43
704. Wyman, J. B., Orwell. Butter.	42
704a. Youmans, Mrs. Wm., Delhi. Butter.	42
704b. Youngling, Louis, New York. Cheese.	43
704c. Zoar Factory, Collins. Cheese.	43

## GROUP 8.

705. Downey Farm, Waterville. Hops.	46
705a. Hanover Farm, Waterville. Hops.	46
705b. Maxon, Wm., Waterville. Hops.	46
705c. McHenry, G. P., Southport. Leaf	48
705d. Wilber, D. F., Oneonta. Hops.	46

## GROUP 9.

706. Boardwell, Aaron, Fargo. Wool.	60
707. Case, Nathan, Hoosick Falls. Wool.	60
708. Chick, John, Attica. Wool.	60

Exhibit No.	Class'n No.
709. Cossitt, Davis, Onondaga. Wool.	60
710. Curry, Wm., & Son, Hasbrouck. Wool.	60
711. Earll, J. Horatio, Skaneateles. Wool.	60
711a. Fisher, Harland W., South Bl field. Flax.	60
711b. Haines, Abram, Mt. Kisco. Flax.	60
711c. Haines, Joseph, Bedford Sta Flax.	60
712. Ham, Henry, Lyndonville. Flaxseed.	60
713. Harmon, John S., Chatham. Flaxseed.	60
714. Harmon, Mrs. Phebe, Red R. Flaxseed.	60
714a. Luggner, Mrs. Lea, Bedford. Flaxseed.	60
715. MacNaughton Co., New York. Wool.	60
716. Osborne & Ladd, Victor. Wool.	60
717. Ray, John P., Hemlock Lake. Wool.	60
718. Warren, J. Hobart, Hoosick Falls. Wool.	60
719. Wood, James, Mount Kisco. Wool.	60
720. Wylie, B. J., Marcellus. Wool.	60

## GROUP 10.

721. Morgan, John, New York. Mine water.	60
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## GROUP 14.

750. State of New York, Albany. Photographic views of hop fields and building dairy farms and buildings, etc.	60
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Exhibits Classed in Other Department but Installed in This.

## DEPARTMENT B.

## GROUP 21.

800. Erving, George, Sodus Point. Chest nuts.	13
801. Hemstreet, Amos, Chatham Falls Corners. Beechnuts.	13
802. Steere, Mrs. Amelia B., Coopers town. Butternuts, hickory nuts, chest nuts, etc.	13
803. Erie Preserving Co., Buffalo. Preserved fruits.	14

## NORTH CAROLINA.

LOCATION—SEC. C.—N. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Ainhoney, Jacob, Louise. Rice.	6	d Rye.	5
2. Alinge, Baron d', Biltmore.		e Buckwheat.	7
a Corn.	2	27. Bower, D. E., Yadkin Valley. Buck- wheat.	7
b Oats.	3	28. Boyce, W. W., Pineville.	
c Rye.	5	a Wheat.	1
d Grass.	8	b Corn.	2
3. Allison, J. P., Concord. Wheat.	1	c Oats.	3
4. Anthony, Phillip, Morganton. Buck- wheat.	7	d Rye.	5
5. Archer, J. F., Jackson. Corn.	2	e Rice.	6
6. Armstrong, A., Elizabeth City. Corn.	2	29. Brake, J. L., Rocky Mount.	
7. Ashley, John, Cranberry. Wheat.	1	a Corn.	2
8. Atkins, James, Colfax. Wheat.	1	b Pease.	9
9. Bagwell, H. B., Garner. Pease.	9	30. Bruner, T. K., Elizabeth City. Corn.	2
10. Bailey, R. W., Durham. Corn.	2	31. Brinkley, H., Glen Alpine. Wheat.	1
11. Baldwin, C. M., Whiteville. Corn.	2	32. Brown, G. F., Harts. Corn.	2
12. Baldwin, T. M., Rise. Wheat.	1	33. Brown, R. A., Wilson's Store.	
13. Ball, A. H., Colfax. Millet.	8	a Wheat.	1
14. Barnes, R., Jonesboro.		b Corn.	2
a Corn.	2	c Oats.	3
b Pease.	9	d Rye.	5
15. Batts, J. E., Bridgersville. Pease.	9	e Pease.	9
16. Beason, John, Winston.		34. Brown, T. K., Elizabeth City. Oats.	3
a Wheat.	1	35. Bryan, J. A., Kenansville. Corn.	2
b Oats.	3	36. Bryson, S. H., Balsam. Wheat.	1
17. Becker, H. J., Jerusalem. Corn.	2	37. Buffalo, R. J., Raleigh. Pease.	9
18. Bernhardt, J. C., Salisbury. Corn.	2	38. Bullinger, J. F., Hickory. Pease.	9
19. Biggerstaff, A. W., Lincolnton.		39. Bunday, D. A., Johns Station. Pease.	9
a Wheat.	1	40. Burwell, J. B., Raleigh. Oats.	3
b Corn.	2	41. Byers, D. A., Edneyville.	
c Oats.	3	a Wheat.	1
d Pease.	9	b Oats.	3
20. Bizzell, H. N., Fayetteville.		c Rye.	5
a Rye.	5	42. Cauble, H. M., Salisbury. Oats.	3
b Rice.	6	43. Cannon, G. H., Town Creek. Pease.	9
21. Blount Bros., Bethel. Rice.	6	44. Canup, C., Salisbury.	
22. Blue, John, Laurinburg. Corn.	2	a Wheat.	1
23. Bolinger, L. A., Newton.		b Corn.	2
a Wheat.	1	c Oats.	3
b Corn.	2	d Pease.	9
c Oats.	3	45. Carlton, A. W., Warsaw. Rice.	6
d Rye.	5	46. Carlton, S., Warsaw.	
e Pease.	9	a Wheat.	1
24. Booze, T., Winston. Wheat.	1	b Rice.	6
25. Boswell, W. L., Edenton. Pease.	9	47. Carmichael, J. A., John Station. Rice.	6
26. Bowditch, J. A., Micaville.		48. Carr, J. H., Xenia.	
a Wheat.	1	a Corn.	2
b Corn.	2	b Rye.	5
c Oats.	3		

## Cereals, Grasses and Forage Plants.

Exhibit No.	Exhibitor	Exhibit No.	Exhibitor
76.	Carney, L. G., Mt. Holly	76.	Deal, M. S., Newton.
		a	Wheat.
		b	Oats.
		c	Pease.
77.	Chambers, W. H., Whitefield. Corn.	77.	Doughton, T. H., Laurel Sp. Corn.
78.	Cherry, W. H., Mendenham. Wheat.	78.	Doughty, Allen, Newton Grove. Wheat.
79.	Clark, Carroll, Newton. Rice.	79.	Doughty, Wm., Newton Grove. Oats.
80.	Clemmons, E. T., Asheville. Grass.	80.	Doughton, J. H., Laurel Springs. a Rye.
81.	Clark, W., Augusta. Corn.	b	Buckwheat.
82.	Cloverland, Dany, Raleigh. Oats.	81.	Dull, E. C., Phafftown. Wheat.
83.	Cochran, E., Cisco. Oats.	82.	Dunston, Dr. H. V., Windsor. a Oats.
84.	Collier, Geo., Thomasville. Wheat.	b	Pease.
85.	Cowan, J. E., Lewisville. Wheat.	83.	Early, A. E., Anlander. Wheat.
86.	Cosner, W. A., Lincolnton.	84.	Early, A. W., Anlander. Oats.
		85.	Edens, H. L., Red Springs. a Wheat.
		b	Pease.
		86.	Edmondson, A. J., Shine. Pease.
		87.	Elder, Lee, Trinity College. Corn.
		88.	Elms, J. H., Pineville. Corn.
		89.	Emery, F. E., Raleigh. Pease.
		90.	Emery, T. L., Weldon. Corn.
		91.	Estes, S. F., Upton. a Wheat.
		b	Corn.
		c	Buckwheat.
		d	Pease.
		92.	Etheridge, E. E., Colerain. a Corn.
		b	Pease.
		93.	Ethridge, Jno., Snowden. Rice.
		94.	Fagg, M. J., Asheville. Grass.
		95.	Farmer, T. R., Hasty. Corn.
		96.	Felton, W. B., Rockyhook. Pease.
		97.	Fiegler, L., Bethania. Oats.
		98.	Finch, T. J., Wheatmore. a Wheat.
		b	Hay.
		99.	Fink, J. A., Linwood. a Wheat.
		b	Corn.
		c	Oats.
		101.	Fisher, J. W., Webster. Oats.
		102.	Forney, Robt., Morganton. a Wheat.
		b	Oats.
		c	Rye.
		d	Buckwheat.
		e	Pease.
		103.	Fulp, Dr. E., Fulp. a Wheat.
		b	Oats.
		104.	Garrett, C. W., & Co., Medoc. Corn.
		105.	Gibbs, Robt., Gibbs. Corn.

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
106. Gibbs, J. M., Ivy.		135. Holt, S. B., Graham. Corn.	2
a Wheat.	1	136. Holt, T. M., Linwood.	
b Corn.	2	a Wheat.	1
c Oats.	3	b Oats.	3
d Buckwheat.	7	c Clover seed and pease.	9
e Pease.	9	137. Holt & Homewood, Burlington.	
107. Gibbs, W. F., Bridgewater.		a Wheat.	1
a Wheat, threshed and in straw.	1	b Corn.	2
b Corn.	2	c Oats.	5
108. Goforth, A. J., Belmont. Corn.	2	d Barley.	3
109. Goldston, J. J., Goldston. Oats.	3	e Rye.	4
110. Goldston, Maxton. Oats.	3	f Buckwheat.	7
111. Goodwin, E. McK., Raleigh.		g Grass in sheaf and seed.	8
a Corn.	3	139. Humphrey, Jno., Clark.	
b Grass.	8	a Corn.	2
c Pease.	9	b Rice.	6
112. Goodyear, Chas., Waynesville.		140. Ingram, J., Asheville.	
Wheat.	1	a Oats.	3
113. Graham, W. A., Machpelah.		b Rye.	5
a Wheat.	1	141. James, Alfred, Martin Co. Rice.	6
b Pease.	9	142. Jenkins, A. J., Dallas. Wheat.	1
114. Graves, R. N., Augusta. Corn.	2	143. Jenkins, R. M., Mt. Holly. Wheat.	1
115. Greason, M., Climax. Oats.	3	144. Jenkins, Wm., Dallas. Corn.	2
116. Green, Bryant, Millbrook. Oats.	3	145. Johnson, J. A., Weldon. Corn.	2
117. Green, T. L., Williamston. Corn.	2	146. Jones, G. A., Franklin. Wheat.	1
118. Gretter, R. M., Climax. Corn.	2	147. Jones, M. B., Mt. Olive. Wheat.	1
119. Gwyn, N. H., Patterson. Wheat.	1	148. Jones, T. F., Cester's Mills. Pease.	9
119a. Hadley, J. M., La Grange. Rice.	6	149. Jones, W. H., Middleton. Pease.	9
120. Hansley, Wilson, Bald Creek.		150. Joyner, A. M., Murfreesboro. Pease.	9
a Wheat.	1	151. Junerson, D. W., Rocky Pass. Rice.	6
b Buckwheat.	7	152. Justice, Isaac, Edneyville.	
121. Harrison, H. S., Metec.		a Buckwheat.	7
a Oats.	3	b Pease.	9
b Pease.	9	153. Justus, W. R., Bowman's Bluff. Rye.	5
122. Harrison, S. R., Salisbury. Corn.	2	154. Keech, B. J., Tarboro. Rice.	6
123. Harris, W. L., Salisbury. Corn.	2	155. Kennedy, W. L., Falling Creek.	
124. Hasty, D. W., Alfordsville.		a Corn.	2
a Oats.	3	b Oats.	3
b Rice.	6	c Rye.	5
125. Helms, F. M., Beaver Dam. Wheat.	1	d Rice.	6
126. Hendricks, J. A., Tennyson. Corn.	2	e Pease.	9
127. Hester, A. J., Winstead.		156. Kerley, S. C., Morganton. Wheat.	1
a Wheat.	1	157. Kerley, W. L., Kilby. Buckwheat.	7
b Corn.	2	158. Kincaid, R. N., Bridgewater.	
c Oats.	3	a Oats.	3
d Pease.	9	b Rye.	5
128. High, A. H., Whiteville.		c Pease.	9
a Oats.	3	159. King, T. J., Louisburg.	
b Rice.	6	a Wheat.	1
129. Hines, A. A., Waynesville.		b Oats.	3
a Corn.	2	c Grass-seed.	8
b Oats.	3	160. Kiser, Jacob, Snapp. Corn.	2
c Buckwheat.	7	161. Kistler, W. L., Bear Poplar. Oats.	3
130. Hobbs, J. G., Alfordsville. Rice.	6	162. Knight, E. E., Tarboro. Rice.	6
131. Hocutt, W. B., Rocky Point. Rice.	6	163. Knight, L. D., Tarboro.	
132. Hodges, J. A., Augusta.		a Wheat.	1
a Wheat.	1	b Rice.	6
b Pease.	9		
134. Holdford, W. H., Weldon. Corn.	2		

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## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
209. Memminger, E. R., Flat Rock.		245. Pfaff, J. E., Winston. Wheat.	1
a Corn.	2	246. Pharr, W. S., Charlotte.	
b Rye.	5	a Wheat.	1
210. Middleton, D. J., Warsaw. Rye.	5	b Corn.	2
211. Midgett, W. P., Lake Landing.		c Oats.	3
Corn.	2	d Rye.	5
212. Miller, J. A., Tennyson. Wheat.	1	e Pease.	9
213. Miller, H. G., Zeb. Corn.	2	247. Picken, W. T., Jerusalem. Wheat.	1
214. Moore, James, Raleigh. Oats.	3	248. Pope, H. J., Weldon. Corn.	2
215. Moore, J. B., Raleigh. Oats.	3	249. Powell, J. A., Warsaw. Oats.	3
216. Moore, Job, Johnson's Mills. Rice.	6	250. Porter, S., Andrews.	
217. Moore, J. L., Kinston. Rice.	6	a Wheat.	1
218. Morning, T. R., Farmville. Rice.	6	b Corn.	2
219. Morris, H. A., Germantown. Wheat.	1	251. Prince, M. B., Henderson.	
220. Morrow, J. W., Pineville.		a Corn.	2
a Wheat.	1	b Pease.	9
b Corn.	2	252. Propst, Martin, Concord. Corn.	2
c Oats.	3	253. Rainey, Delma, Mayfield.	
221. Morson, A. E., Maxton. Corn.	2	a Corn.	2
222. Moye, A. J., Farmville.		b Pease.	9
a Corn.	2	254. Ramsay, Jno., Ray. Rye.	5
b Oats.	3	255. Rankin, Maj. N. P., Franklin. Wheat.	1
c Rice.	6	257. Relfe, L. C., Durant's Neck.	
d Pease.	9	a Wheat.	1
223. Nash, H. K. Jr., Tarboro. Rice.	6	b Corn.	2
224. Newbury, H. E., Magnolia. Rice.	6	c Oats.	3
225. Newbury, W. R., Xenia. Pease.	9	258. Reynolds, Henry, Asheville. Hay.	8
226. Nicholson, J., Belvidere. Rice.	6	259. Reynolds, Mrs. W. F., Asheville.	
227. Oldham, T. J., Oaks. Oats.	3	Oats.	3
228. Oliver, J. F., Mt. Olive. Rice.	6	259a. Rheinhardt, R. P., Newton.	
229. Orr, Thomas, Balsam.		a Corn.	2
a Rye.	5	b Oats.	3
b Buckwheat.	7	260. Ricks, R. H., Rocky Mount.	
230. Osborne, J. H., Idlewild.		a Corn.	2
a Corn.	2	b Oats.	3
b Rye.	5	c Pease.	9
231. Osborne, J. A., Garden Creek.		261. Riddle, B. E., Burnsville. Rye.	5
Wheat.	1	262. Riggan, R. H., Edwardsville.	
232. Owen, B. H., Salisbury. Oats.	3	a Wheat.	1
233. Palmer, J. L., Palmersville. Wheat.	1	b Corn.	2
234. Parker, Gilliam, Lillington. Corn.	2	c Oats.	3
235. Parks, W. F., Zion. Buckwheat.	7	d Rye.	5
236. Patterson, D. A., Maxton.		263. Robinson, J. M., Burnsville.	
a Corn.	2	a Wheat.	1
b Oats.	3	b Oats.	3
c Rye.	5	c Buckwheat.	7
d Pease.	9	264. Robinson, Col. Jno., Raleigh.	
237. Paul, E. B., Lumberton. Corn.	2	a Corn.	2
238. Payne, D. M., Trinity College. Corn.	2	b Pease.	9
239. Pearsall, E. D., Rocky Point. Pease.	9	265. Robinson, J. W., Hickory.	
240. Pedicard, M. A., Bethania. Wheat.	1	a Corn.	2
241. Peeler, D. H., Chesterfield. Oats.	3	b Rye.	5
242. Pegram, L. W., Winston. Wheat.	1	c Grass.	8
243. Perry, J. W., Leewood.		266. Robinson, M. B., Burnsville. Corn.	2
a Wheat.	1	267. Rogers, D., Cullawhee. Wheat.	1
b Corn.	2	268. Roper, J. W., Pineville. Pease.	9
c Oats.	3	269. Rowe, D. P., Newton.	
d Pease.	9	a Wheat.	1
244. Parry, T. E., Belvidere. Rice.	6	b Clover seed.	8

## DEPARTMENT A.—AGRICULTURE.

## Cereals, Grasses and Forage Plants.

	Exhibit No.	
Wheat	1	304. Sturdivant, J. N., Rushing.
Wheat	2	a Wheat.
Wheat	3	b Corn.
Wheat	4	305. Sullivan, Elias, Institute. R.
Wheat	5	306. Summers, T. P., Snow Creek.
Wheat	6	a Wheat.
Wheat	7	b Oats.
Wheat	8	307. Sutton, O. W., Mt. Olive.
Wheat	9	a Corn.
Wheat	10	b Rye.
Wheat	11	c Pease.
Wheat	12	308. Swicegood, G. W., Jerusalem.
Wheat	13	309. Swicegood, H. H., Tennyson.
Wheat	14	310. Taylor, B. W., Shine.
Wheat	15	a Wheat.
Wheat	16	b Rye.
Wheat	17	311. Taylor, Geo., Fort Barnwell.
Wheat	18	a Corn.
Wheat	19	b Rye.
Wheat	20	c Pease.
Wheat	21	312. Taylor, J. F., Idlewild. Buckwh
Wheat	22	313. Terrell, W. S., Sonoma.
Wheat	23	a Wheat.
Wheat	24	b Corn.
Wheat	25	c Oats.
Wheat	26	d Rye.
Wheat	27	e Buckwheat.
Wheat	28	314. Thomas, H. C., Thomasville. Wh
Wheat	29	315. Thomas, Jas., Fayetteville
Wheat	30	a Wheat.
Wheat	31	b Oats.
Wheat	32	316. Thompson, Dr. C., Richlands. O
Wheat	33	317. Thompson, J. L., Augusta. Whe
Wheat	34	318. Thorn, Mrs. M. P., Elm City.
Wheat	35	a Corn.
Wheat	36	b Oats.
Wheat	37	c Pease.
Wheat	38	318a. Tinley, J. H., Edneyville. Corn
Wheat	39	319. Tucker, R. S., Raleigh. Clover se
Wheat	40	320. Tucker, W. T., Jerusalem. Oat
Wheat	41	321. Upchurch, W. G., Raleigh.
Wheat	42	a Wheat.
Wheat	43	b Corn.
Wheat	44	c Oats.
Wheat	45	322. Vanhook, C., Franklin. Wheat.
Wheat	46	323. Walker, J. B., Rutherfordton.
Wheat	47	Wheat.
Wheat	48	324. Walker, S. J., Columbia. Corn.
Wheat	49	325. Walton, H. H., Morganton.
Wheat	50	a Wheat.
Wheat	51	b Corn.
Wheat	52	c Rye.
Wheat	53	326. Ward, S. H., Jamestown.
Wheat	54	a Wheat.
Wheat	55	b Oats.
Wheat	56	327. Wammack, J. C., Clemmons
Wheat	57	c Oats.

### Cereals, Grasses, Sugars, Syrups.

Exhibit No.		Class'n No.	Exhibit No.		Class'n No.
328.	Watson, M., Andrews.		351.	Wyatt, L. R., Raleigh.	
a	Oats.	3	a	Wheat.	1
b	Rye.	5	b	Corn.	2
c	Pease.	9	c	Oats.	3
329.	Watson, Mrs. W. F., Scotland Neck.		d	Pease.	9
a	Corn.	2	352.	Yost, J. A., Salisbury.	
b	Pease.	9	a	Oats.	3
330.	Welch, J. C., High Point.		b	Buckwheat.	7
a	Wheat.	1	353.	Ziegler, J., Bethania. Wheat.	1
b	Oats.	3			
331.	Westfeldt, J. R., Fletcher.				
a	Corn.	2			
b	Oats.	3			
c	Rye.	5			
332.	Wharton, R. W., Washington.				
a	Corn.	2			
b	Oats.	3			
c	Pease.	9			
333.	Whitaker, W. C., Enfield. Rice.	6			
334.	White, Rufus, Belvidere. Rice.	6			
335.	Whitesell, J. C., Elton College.				
a	Wheat.	1			
b	Corn.	2			
c	Oats.	3			
336.	Whitson, J. M., Mantoe.				
a	Corn.	2			
b	Pease.	9			
337.	Wilde, T. F., Marshall.				
a	Wheat.	1			
b	Corn.	2			
c	Oats.	3			
338.	Williams, H. C., Willeyton.				
a	Corn.	2			
b	Oats.	3			
c	Rice.	6			
339.	Williams, J. C., Winslow.				
a	Wheat.	1			
b	Corn.	2			
c	Oats.	3			
d	Rye.	5			
e	Pease.	9			
340.	Williams, J. M., Clover. Corn.	9			
341.	Williams, W. F., Cairo. Rye.	5			
342.	Wilson, R. W., Newton. Buck- wheat.	7			
343.	Winslow, D. E., Nicanor. Rice.	6			
344.	Wolfe, A. A., Pittsboro.				
a	Wheat.	1			
b	Corn.	2			
c	Oats.	3			
d	Buckwheat.	7			
345.	Wolfe & Morrow, Pineville. Pease.	9			
346.	Wolf, Jas., Asheville. Oats.	3			
347.	Wood, J. H., Weldon. Pease.	9			
348.	Woelf, J. A., Rural Hall.				
a	Wheat.	1			
b	Corn.	2			
349.	Wooten, S. J., LaGrange. Rice.	6			
350.	Wyatt, E. R. Raleigh. Pease.	9			

Products, Tea, Hops, etc.

## Exhibit

No.

270. Rubin, G.  
 271. Ruck, C.  
 272. Rucker, V.  
 273. Rust, J. O.  
     a Oats.  
     b Barley.  
     c Rye.  
     d Buckwheat.  
     e Peas.  
 274. Sanborn.  
 275. Sawyer.  
 276. Sawyer.  
 277. Seaford.  
 278. Seiringer.  
 279. Shank.  
     a Wheat.  
     b Corn.  
     c Oats.  
 280. Shipman.  
 281. Shreve.  
 282. Simpson.  
     a Corn.  
     b Peas.  
 283. Skitt.  
 284. Smith.  
 285. Smith.  
 286. Smith.  
 287. Solider.  
     a Corn.  
     b Oats.  
 288. Spencer.  
 289. Spilker.  
     a Oats.  
     b Rye.  
 290. Stanton.  
     a Corn.  
     b Rye.  
     c Peas.  
 291. Starkey.  
     a Wheat.  
     b Oats.  
     c Green.  
 292. Stevens.  
 293. Stevens.  
 294. Stewart.  
 295. Stewart.  
 296. Stewart.  
 297. Stokes.  
 298. Stone.  
     a Corn.  
     b Oats.  
 299. Stone.  
 300. Stowe.  
 301. Stronach.  
 302. Stroup.  
     a Wheat.  
     b Oats.  
 303. Strupe,  
     ville. Wheat.
- Thames, Jas., Fayetteville. Peanuts.  
 Thorn, Mrs. M. P., Elm City.  
 Walker, S. J., Columbia. Peanuts.  
 Watson, Mrs. W. F., Scotland. Peanuts.  
 Wharton, R. W., Washington.  
 Williams, H. C., Willeyton.  
 Williams, J. C., Winslow. Peanuts.

## GROUP 5.

- Alinge, Baron d', Asheville. Teosinte.  
 Bolinger, L. A., Newton. Beans.  
 Boyce, W. W., Pineville. Kaffir corn.  
 Bowditch, J. A., Micaville. Beans  
     sunflower seed.  
 Branch, W. E., Enfield. Beans.  
 Carr, J. H., Xenia. Tuberose bulbs.  
 Davis, W. E., Creek. Beans.  
 Deal, M. S., Newton. Beans.  
 Emery, F. E., Raleigh. Beans.  
 Etheridge, E. E., Colerain. Beans.  
 Hassell, W. E., Somerset. Peas.  
 Holt & Homewood, Burlington.  
     Broom corn.  
 Lowman, M., Connelly Springs.  
     Beans.  
 Miller, W. M., Burnsville. Beans.  
 Moye, A. J., Farmville. Sunflower  
     seed.  
 Newberry, H. E., Magnolia. D.  
     tongue.  
 Northern, P. L., Snowden. Beans.  
 Perry, J. W., Leewood. Beans.  
 Prince, M. B., Henderson. Bro.  
     corn.  
 Ricks, R. H., Rocky Mount. Beans.  
 Riggan, R. H., Edwardsville. Beans.  
 Rust, J. R., Bridgewater. Beans.  
 Sanborn, G. C., Currituck. S.  
     flower seed.  
 Sherrill, Elbert, Sherrill Ford. Beans.  
 Taylor, Mrs. L. C., Morganton.  
     Beans.  
 Vail, J. G., Morganton. Beans.  
 Wilde, T. F., Marshall. Beans.  
 Williams, H. C., Willeyton. Beans.  
 Woolf, J. A., Rural Hall. Beans.

## GROUP 8.

- Holt & Homewood, Burlington.  
     Hops.  
 Smith, Mrs. J. M., Fayetteville. U.  
     colored tea.

## Animal and Vegetable Fibres, Farming Tools, Fertilizers.

## GROUP 9.

Exhibit No.	Class'n No.	
46. Archer, J. T., Jackson.	Cotton lint, seed and bolls.	53
47. Bateman, J. S., Creswell.	Cotton lint, seed and bolls.	53
48. Biggerstaff, A. W., Lincolnton.	Cotton lint, seed and bolls.	53
49. Brown, R. A., Wilson's Store.	Cotton lint, seed and bolls.	53
50. Butler, M. F., Rutherfordton.	Cotton lint, seed and bolls.	53
51. Cannon, G. H., Iron Creek.	Cotton lint, seed and bolls.	53
52. Carr, J. H., Xenia.	Cotton lint, seed and bolls.	53
53. Carthey, L. G., Mt. Holly.	Cotton lint, seed and bolls.	53
54. Charles, J. N., Jerusalem.	Cotton lint, seed and bolls.	53
55. Creekmore, W. P., Moyock.	Cotton lint, seed and bolls.	53
56. Davis, W. E., Creek.	Cotton lint, seed and bolls.	53
57. Dunston, Dr. H. V., Windsor.	Cotton lint, seed and bolls.	53
58. Edmundson, A. J., Shine.	Cotton lint, seed and bolls.	53
59. Etheridge, E. E., Colerain.	Cotton lint, seed and bolls.	53
60. Evans, J. & O., Fayetteville.	Cotton lint, seed and bolls.	53
61. Gibson, J. B., Maxton.	Cotton seed.	53
62. Graham, W. A., Machpelah.	Cotton lint, seed and bolls.	53
63. High, A. H., Whiteville.	Cotton lint, seed and bolls.	53
64. Holt, T. M., Linwood.	Cotton lint, seed and bolls.	53
65. Holt & Homewood, Burlington.	Flax.	59
66. Kennedy, W. L., Falling Creek.	Cotton lint, seed and bolls.	53
67. Lane, Danl., Bellair.	Cotton lint, seed and bolls.	53
68. MacGregor, B. F., Conclave.	Cotton lint, seed and bolls.	53
69. McByrd, J. A., Antioch.	Cotton lint, seed and bolls.	53
70. McIver, M. H., Egypt.	Cotton lint, seed and bolls.	53
71. McLain, D. L., Maxton.	Cotton lint and bolls.	53
72. Morrow, J. W., Pineville.	Cotton lint, seed and bolls.	53
73. Moye, A. J., Farmville.	Cotton lint and seed.	53
74. Pharr, W. S., Charlotte.	Cotton lint and seed.	53
75. Pleasant, J. T., Pernell.	Cotton lint, seed and bolls.	53

Exhibit No.	Class'n No.	
504. Relfe, L. C., Durant's Neck.	Cotton lint and seed.	53
505. Ricks, R. H., Rocky Mount.	Cotton seed and bolls.	53
506. Rowe, D. P., Newton.	Cotton lint, seed and bolls.	53
507. Spikes, Henry, Fieldsboro.	Cotton lint, seed and bolls.	53
508. Stone, W. H., Shallotte.	Cotton lint, seed and bolls.	53
509. Sturdivant, J. N., Rushing.	Cotton lint, seed and bolls.	53
510. Sutton, O. W., Mt. Olive.	Cotton lint, seed and bolls.	53
511. Tucker, R. S., Raleigh.	a Cotton bolls. b Flaxseed.	53 59
512. Walters, J. F., Maxton.	Cotton seed.	53
513. Watson, Mrs. W. F., Scotland Neck.	Cotton lint and seed.	53
514. Westbrook, J. H., Rocky Point.	Cotton seed and lint.	53
515. Wharton, R. W., Washington.	Cotton lint, seed and bolls.	53
516. Williams, H. C., Willetton.	Cotton lint, seed and bolls.	53
517. Williams, J. C., Winslow.	Cotton lint, seed and bolls.	53
518. Williams, J. M., Clover.	Cotton lint, seed and bolls.	53
519. Wood, J. H., Weldon.	Cotton lint and seed.	53

## GROUP 16.

520. Townsend, J. L., Fulmore.	Stalk cutter.	88
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## GROUP 17.

521. Battle, Gaston, Rocky Mount.	Soil from cotton land.	93
522. Carter, W. S., Fairfield.	Soil from corn land.	93
523. Currin, J. M., Oxford.	Soil from tobacco land.	93
524. French Bros., Rocky Point.	Lime, rock and marl.	93
525. Gwyn, R. L., Mt. Airy.	Soil from grain land.	93
526. Hackburn & Willetts, Newbern.	Soil from trucking land.	93
527. Holt, T. M., Linwood.	Soil from grain land.	93
528. Hoyt, Jno. K., Luther.	Soil from apple land.	93
529. Kidder, Fred., St. Philips.	Soil from rice land.	93
530. Porter, R. L., Franklin.	Soil from grass and grain land.	93

### Fertilizers.

	Class No.	Exhibit No.	
W. E. Clinton. Soil from	93	534.	Tucker, R. S., Raleigh. Soil from grass and grape land.
W. E. Clinton. Soil from	93	535.	Williams, H. C., Willetts. Soil from peanut land.
W. E. Clinton. Soil from	93	536.	Wilson, A. E., Montezuma. Soil from grass and grain land.

614 (FMA) SEC. B. S. W. QUARTER.

**(19) Wild, Domestic and Exotic Plants**

..gud t' t.

27. 28.

1. Mr. G. W. Jones

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[illegible]

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1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971) using a Shimadzu 1010 spectrophotometer. The concentration of chlorophylls was expressed in mg g<sup>-1</sup> of dry weight.

## Cereals, Farm Products, Fibres.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
48. Root, J. B., Oakes. Buckwheat.	7	52. Wells, E. P., Jamestown.	
49. Sanford, A. C., Sykeston. Wheat.	1	a Oats.	3
50. Schindele, Ferdinand, Lakota.		b Barley.	4
a Wheat.	1	c Rye.	5
b Oats.	3		
c Barley.	4		
51. Sears, E. L., Ripon. Corn.	2		
52. Steeper, Wm., Grass Lake. Wheat.	1		
53. Sperry, E. H., Bismarck. Corn.	2		
54. Sweeney, Wm., Carrington. Wheat.	1		
55. Tyler, E. S., Fargo. Wheat.	1		
56. Tubbs, W. E., Mandan. Corn.	2		
57. Whitten, Albert, Bismarck. Corn.	2		
58. Willey, Will, Bismarck. Corn.	2		
59. Wilcox, Mrs. Peter, Bismarck. Corn.	2		
60. Will, Oscar H., Bismarck. Corn.	2		
61. Wade, I. C., Jamestown. Oats.	3		

## GROUP 5.

100. Dunlap Bros., Michigan City. Peas.	32
101. Power, J. B., Richland County. Peas.	32

## GROUP 9.

200. Brown, Robert, Dickey. Flax.	59
201. Hayes, W. M., Fargo. Flax.	59
202. Ladd, Geo. H., Oakes. Flax.	59
203. Moser, Frank, Oakes. Flax.	59
204. Power, J. B., Power. Flax.	59
205. Root, J. B., Oakes. Flax.	59
206. Wade, W. P., Oakes. Flax.	59

## OHIO.

## LOCATION—SEC. C.—N. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Joseph, Gano. Wheat in straw.	1	18. Burshoter, J. S., Grand Rapids. Grass seed.	8
2. Henry, Haskins. Wheat.	1	19. Brown, Morgan, Tontogany. Wheat.	1
3. Wiley, John, Scotch Ridge. Wheat in straw.	1	20. Brown, T. J., Logan. Wheat in straw.	1
4. Fisher, Charles, Delaware. Corn.	2	21. Brown, Wm., Weston.	
5. Fisher, Samuel, Weston.		a Wheat.	1
6. Wheat.	1	b Oats.	3
7. Oats.	3	22. Brown, W. H., Saybrook. Wheat in straw.	1
8. Fisher, John, Grand Rapids. Wheat.	1	23. Cling, Amos, Marion. Grass seed.	8
9. Green, A., Haskins. Wheat in straw.	1	24. Coe, B. E., Weston.	
10. Burshoter, J. S., Grand Rapids. Oats.	3	a Wheat.	1
11. Sprague, S. F., Athens County.	2	b Corn.	2
12. Westock, Edward, Tontogany.	2	c Oats.	3
13. Hall, James, Weston. Oats.	3	25. Corwin, D. F., Warren County. Corn.	2
14. Hall, J. H., Weston. Wheat in straw.	1	26. Corwin, D. J., Warren County.	
15. Pett, James, Weston. Corn.	2	a Wheat.	1
16. Ham, L. N., Oxford.		b Oats.	2
17. Oats.	3	27. Corwin, E. J., Warren County.	
18. Grass seed.	8	a Wheat in straw.	1
19. Pitt, Fred J., Bowling Green. Corn.	2	b Corn.	2
20. Ham, J. H., Fulton. Oats.	3	28. Crofts, Thos., Toledo.	
21. Brown, Elwood, Weston. Corn.	2	a Oats.	3
		b Grass seed.	8
		29. Cross, Thomas, Toledo. Corn.	

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.
30. Culbertson, Eli, Grand Rapids.		59. Kelley, W. A., Kenton. Wheat in straw.
a Wheat in straw.	1	60. Kelly, John H., Sulphur Springs. Corn.
b Oats.	3	61. Knowlton, Levi, Licking County. Corn.
31. Culbertson, Joseph, Grand Rapids.		62. Logan, Henry, Athens. Wheat in straw.
a Wheat.	1	63. Mamer, John, Grand Rapids. Wheat in straw.
b Corn.	2	64. Mann, A., Bowling Green. Corn.
c Oats.	3	65. Martin, Mm., Weston.
32. Demis, L. J., Maumee. Wheat in straw.	1	a Wheat in straw.
32a. Deevold, Peter, Caldwell. Corn.	2	b Corn.
33. Deweese & Son, Weston. Wheat.	1	c Oats.
34. Ellis S. H., Springboro.		66. Martin, William, Weston.
a Corn.	2	a Wheat in straw.
b Grass seed.	8	b Corn.
35. Emick, Geo., Haskins. Wheat in straw.	1	c Oats.
36. Erwin, Cornelius, Butler County. Corn.	2	67. McCane, Scotch Ridge. Wheat in straw.
37. Farnsworth, Watson, Waterville. Oats.	3	68. Mitchell, H., Bowling Green. Wheat in straw.
38. Fout, Joel, Tontogany. Wheat in straw.	1	69. Neifer, Albert, Weston.
39. Fillmore, Jas., Weston. Corn.	2	a Wheat.
40. French, B. A., Lenox. Wheat in straw.	1	b Corn.
41. Fuller, A. B., Bowling Green. Corn.	2	c Grasses and grass seeds.
42. Gillespie, J. L., Monroe County. Corn.	2	70. Neifer, E. C., Tontogany. Wheat.
43. Gumm, M. B., North Madison. Wheat in straw.	1	71. Nichols, Robert, Butler County. Corn.
44. Hackerman, D. J., Neopolis.		72. Ohio Agricultural Experiment Station. Wheat in straw.
a Corn.	2	b Oats.
b Grass seed.	8	73. Pettys, Lester, Weston. Wheat.
45. Hall, David, Bloom Center.		74. Phillips, Henry, Toledo. Grass seed.
a Wheat.	1	75. Powell, Frank, Haskins. Oats.
b Corn.	2	76. Potter, Henry, Tontogany.
c Grass seed.	8	a Wheat.
46. Hance, Ed., Grafton. Wheat in straw.	1	b Oats.
47. Hannah, Wm., Tontogany. Corn.	2	77. Powell, J. W., Benton. Wheat in straw.
48. Harper, J. C., Limerick. Wheat in straw.	1	78. Pugh, Wm., Weston. Oats.
49. Harrison, W. G., Carlton. Wheat in straw.	1	79. Roe, Jas., Weston. Wheat in straw.
50. Harris, Joseph, Butler County. Corn.	2	80. Ross, William, Weston. Oats.
51. Heckerman, D. J., Neopolis.		81. Russ, Wm., Weston.
a Corn.	2	a Wheat in straw.
b Grass seed.	8	b Oats.
52. Horn, Jos., Bowling Green. Corn.	2	82. Sater, Jacob, Weston. Wheat in straw.
53. Huber, Allen, Logan County. Corn.	2	83. Sawyer, R.E., Tiro. Wheat in straw.
54. Jewell, Geo., Weston. Corn.	2	84. Shafer, S. H., Logan County. Corn.
55. Jewell, Young, Defiance. Wheat in straw.	1	85. Shroyer, T., Preston. Wheat in straw.
56. Jones, Elnor, Weston. Wheat in straw.	1	86. Simms, Ewing, Eugene. Corn.
57. Jones, Wm., Weston.		87. Simmons, Frank, Bloom Center. Oats.
a Wheat.	1	88. Soash, W. O., Tontogany. Wheat.
b Corn.	2	89. Stearns, John, Weston. Wheat in straw.
c Oats.	3	90. St. John, J. F., Elroy. Wheat in straw.
58. Keckley, Jos., Marysville. Corn.	2	

## Cereals, Sugars, Syrups, Etc.

Exhibit No.	Class'n No.
91. Stretchberry, James, Weston. Corn.	2
92. Stretchberry, Wm., Weston.	
a Wheat.	1
b Corn.	2
93. Tunc, Lewis, Weston. Corn.	2
94. Wade, Ojeda, Weston. Corn.	2
95. Wan, J. H., Richards. Wheat in straw.	1
96. Weeks, Amos, Lima. Wheat in straw.	1
97. Western Cemetery Association, Weston. Grass seed.	8
98. Whipps, W. H., Marion.	
a Wheat.	1
b Corn.	2
c Oats.	3
99. Whipps, W. D., Marion. Corn.	2
100. Williams, Berry, Butler County. Corn.	2
101. Williamson, S., Butler County. Wheat in straw.	1
102. Winchester, W. R., Adams County. Wheat in straw.	1

## GROUP 2.

11. Abraham, M., & Co., Bellefontaine. Maple syrup.	21
12. Adams, E. J., Windsor. Maple sugar and syrups.	21
13. Adams, M. J., Burton Station. Maple sugar and syrups.	21
14. Adams, W. H., Windsor. Maple syrup.	21
15. Alderman, Ed., Windsor Mills. Maple sugar and syrups.	21
16. Alderman, Ellis, Windsor Mills. Maple sugar and syrups.	21
17. Antrim, Geo., New Jerusalem. Maple syrup.	21
18. Austin, W. E., North Lewisburgh. Maple syrup.	21
19. Bacon, H. G., & Co., Cortland. Maple sugar and syrup.	21
20. Bailey, E. L., Parkman. Maple sugar and syrup.	21
21. Baker, G. P., Bellefontaine. Maple syrup.	21
22. Bower, L. B., Windsor. Maple sugar and syrups.	21
23. Brinzer, Fred, & Son, New Jerusalem. Maple syrup.	21
24. Brooks, Mrs. Lois, Windsor. Maple sugar and syrups.	21
25. Burnett, Walter A., South Newbury. Maple sugar and syrups.	21
26. Carpenter, D. A., Windsor. Maple sugar and syrups.	21

Exhibit No.	Class'n No.
x17. Carr, Thomas, Edinburgh. Maple syrup.	21
x18. Chapman, W. H., South Newbury. Maple sugar and syrups.	21
x19. Clapp, A. R., Chatham Centre. Maple sugar and syrup.	21
x20. Clapp, D. A., Chatham Centre. Maple sugar and syrup.	21
x20a. Clark, Horace M., Hudson. Sugar and syrup.	21
x21. Crane, A. E., Garrettsville. Maple sugar and syrup.	21
x22. Dayton, Geo. W., Burton. Maple sugar and syrups.	21
x23. Devore, John A., East Liberty. Maple syrup.	21
x24. Downing & Ferris, Chardon. Maple sugar and syrup.	21
x25. Ensign, H. N., Claridon. Maple syrup.	21
x26. Ford, B. S., Burton. Maple syrup.	21
x27. Ford, H. E., & Sons, Burton. Maple syrup.	21
x28. Ford, H. J., Parkman. Maple sugar and syrup.	21
x29. Gladding, H. A., Windsor Mills. Maple syrup.	21
x30. Goss Bros., Edinburgh. Maple sugar and syrup.	21
x31a. Green, L., Russell, Geauga Co. Maple sugar and syrups.	21
x32. Gwyne, Ira, New Jerusalem. Maple syrup.	21
x33. Hall, D., Bloom Centre. Maple sugar and syrups.	21
x34. Haines, H. M., Mingo. Maple syrup.	21
x35. Haines, T. W., North Lewisburg. Maple sugar and syrup.	21
x36. Henry, David, New Jerusalem. Maple syrup.	21
x37. Henry, Geo. A., Bellefontaine. Maple syrup.	21
x38. Henry, K. W., Geauga Lake. Maple sugar and syrup.	21
x39. Higley, H. D., Windham. Maple sugar and syrup.	21
x40. Higley, J. L., Windham. Maple sugar and syrups.	21
x41. Holcomb, W. E., Claridon. Maple syrup.	21
x42. Hollenbeck, S. D., Chardon. Maple sugar and syrup.	21
x43a. Hoyt, Walter, North Fairfield. Maple sugar and syrup.	21
x44. Hurd, A. E., Bennett's Corners. Maple sugar and syrup.	21
x45. Inskeep, Isaac, West Middleburgh. Maple syrup.	21

# DEPARTMENT A. - AGRICULTURE.

## Sugars, Syrups, Etc.

Class	Exhibit
175. Noble, F. J., Windsor. Maple	syrups.
176. Painter, Richard, West Middleb	syrups and sugar.
177. Parmele, P. W., Burton. Maple s	yrups.
178. Patch, Adelbert, Welshfield. M	aple and syrups.
179. Patra, A. G., South Newbury. M	aple and syrups.
180. Peck, Wilson, Windsor. Maple s	yrups.
181. Penney & Northway. Windsor	syrups.
182. Porter, Hiram, Ford P. O. M	aple and syrups.
183. Pratt, C. W., Brunswick. M	aple and syrups.
184. Reed, L. M., Auburn. Maple s	yrups.
185. Sawyer, E. H., East Liberty. M	aple and syrups.
186. Richards, James C., Auburn. M	aple and syrups.
187. Roberts, M. E., Windsor. M	aple and syrups.
188. Robinson, E. & Son, Middleb	syrups.
189. Rowley, E. J., Carleton. Maple s	yrups.
190. Sackett & Son, Wingham. M	aple and syrups.
191. Smith, J. V., South Newbury	syrups.
192. Smith, J. V., Carleton. Maple sy	rups.
193. Smith, J. V., Carleton. Maple sy	rups.
194. Smith, J. V., Auburn. M	aple and syrups.
195. Smith, J. V., Carleton. M	aple and syrups.
196. Smith, J. V., Carleton. M	aple and syrups.
197. Smith, J. V., Carleton. M	aple and syrups.
198. Smith, J. V., Carleton. M	aple and syrups.
199. Smith, J. V., Carleton. M	aple and syrups.
200. Smith, J. V., Carleton. M	aple and syrups.
201. Smith, J. V., Carleton. M	aple and syrups.
202. Smith, J. V., Carleton. M	aple and syrups.
203. Smith, J. V., Carleton. M	aple and syrups.

## Sugar, Syrups, Farm Products, Tobacco, Animal Fibres.

Exhibit No.	Class'n No.
1104. Wilmot, Eugene L., Claridon. Maple syrup.	21
1105. Wilmot, M. J., Claridon. Sugar.	21
1106. Wilson, S. C., Windsor. Maple sugar and syrups.	21
1107. Wiswell, E. R. & B., Windsor Mills. Maple sugar and syrups.	21

## GROUP 5.

104. Croft, Thomas, Toledo. Vegetable seed.	92
105. Heckerman, David, Neopolis. Vegetable seeds.	92
106. Huber, Allen, Logan County. Vegetable seeds.	92
107. Johnson, Fred, Toledo. Vegetable seeds.	92
108. Neifer, Albert, Weston. 138 varieties of vegetables.	92

## GROUP 8.

109. Aikey, J. C., Horatio. Dutch seed leaf tobacco.	48
110. Alexander, Joseph, Miamisburg. Spanish and Dutch seed leaf tobacco.	48
111. Andrews, Henry, Georgetown. White burley seed leaf tobacco.	48
112. Arnstatt, Val., Bantam. White burley seed leaf tobacco.	48
113. Baker, S. J., Arcanum. Pennsylvania seed leaf tobacco.	48
114. Beechler, Jonathan, Farmersville. Pennsylvania seed leaf tobacco.	48
115. Binkley, Henry, Miamisburg. Ohio and Dutch seed leaf tobacco.	48
116. Brown, Henry, Batavia. White burley seed leaf tobacco.	48
117. Burns, Thos. A., Versailles. Ohio and Dutch seed leaf tobacco.	48
118. Bosch, Lewis, Bantam. White burley seed leaf tobacco.	48
119. Clark, Anthony, Arcanum. Ohio seed leaf tobacco.	48
120. Coles, C. O., Farmersville. Spanish seed leaf tobacco.	48
121. Cox, Chas., Comton. Spanish seed leaf tobacco.	48
122. Davis, H. C., West Milton. Spanish seed leaf tobacco.	48
123. Duckwall, Batavia. White burley seed leaf tobacco.	48
124. Evans, W. H., Farmersville. Pennsylvania seed leaf tobacco.	48
125. Fley, Jacob, Georgetown. White burley seed leaf tobacco.	48
126. Godney, Henry, Ripley. White burley seed leaf tobacco.	48

Exhibit No.	Class'n No.
127. Hahn, Fred, Versailles. Ohio and Dutch seed leaf tobacco.	48
128. Hallsar, Wm., Greenville. Ohio and Spanish seed leaf tobacco.	48
129. Judy, A. H., New Madison. Ohio seed leaf tobacco.	48
130. Keener, Solomon, Liberty. Pennsylvania seed leaf tobacco.	48
131. Kowler, Anthony, Ripley. White burley seed leaf tobacco.	48
132. Knofflinger, John, Versailles. Ohio seed leaf tobacco.	48
133. Lantz, John, Landis. Dutch seed leaf tobacco.	48
134. London, James E., Georgetown. White burley seed leaf tobacco.	48
135. Martin, S. C., Horatio. Dutch seed leaf tobacco.	48
136. Pangburn, Lines, Ripley. White burley seed leaf tobacco.	48
137. Patton, Cal., Liberty. Pennsylvania seed leaf tobacco.	48
138. Scott, Thos. A., Troy. Spanish seed leaf tobacco.	48
139. Shafer, Joseph, Cedar Hill. Dutch seed leaf tobacco.	48
140. Shock, D. W., Ansonia. Ohio seed leaf tobacco.	48
141. Smith, John W., Arcanum. Spanish seed leaf tobacco.	48
142. Sneeder, Val., Ripley. White burley seed leaf tobacco.	48
143. Starrett, J. A., Troy. Ohio seed leaf tobacco.	48
144. Stillwell, John W., Troy. Ohio seed leaf tobacco.	48
145. Tatman, J. C., Batavia. White burley seed leaf tobacco.	48
146. Thalman, John, Stone Lick. White burley seed leaf tobacco.	48
147. Thoma, Benj., Troy. Spanish seed leaf tobacco.	48
148. Weaver, Thos. C., Georgetown. White burley seed leaf tobacco.	48
149. Wissinger, John, West Milton. Spanish and Dutch seed leaf tobacco.	48
150. Yount, Peter, Gettysburg. Ohio seed leaf tobacco.	48
151. Zeller, Henry, Bloomers. Ohio seed leaf tobacco.	48
152. Zeller, Theo., West Milton. Spanish seed leaf tobacco.	48

## GROUP 9.

153. Backston & Son, Hopedale. Wool.	60
154. Brocaw, Jacob, New Athens. Wool.	60
155. Brown, J. W., New Athens. Wool.	60
156. Capperter, J. W., Bateville. Wool.	60
157. Cezatt, J., Tappan. Wool.	60

## Animal and Vegetable Fibres.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
158. Craig, Walter, Cadiz. Wool.	60	172. Holms, Clifford, Cadiz. Wool.	
159. Cusick, B., Marion. Wool.	60	173. Hull, Jacob, & Son, Flushing. Wool.	
160. Dahyer, John, Uniontown. Wool.	60	174. Ladd, J., Belmont Ridge. Wool.	
161. Dunlap, A. J., New Athens. Wool.	60	175. Lisle, David, & Son, Uniontown. Wool.	
162. Dunlap, Hugh, New Athens. Wool.	60		
163. Dunlap, Samuel M., Cadiz. Wool.	60	176. Lodge, Wm., Belmont Ridge. Wool.	
164. Ecleston & Son, Updegraf. Wool.	60	177. Love, Thomas, Fairpoint. Wool.	
165. Furgeson, J. P., Fairpoint. Wool.	60	178. McFadden, Samuel R., New Ath Wool.	
166. Garen, Archibald, Belmont Ridge. Wool.	60	179. McKee, Henry, Cadiz. Wool.	
167. Gillespie, W. C. & Thos., Shepards-town. Wool.	60	180. Milliken, Wm., Cadiz. Wool.	
168. Glover, G. W., Cadiz. Wool.	60	181. Porter, B. S., Cadiz. Wool.	
169. Griffin, Wm., Cadiz. Wool.	60	182. Ritchie, D. J., Uniontown. Wool.	
170. Hatfield, Nathan, Cadiz. Wool.	60	183. Starr, Joseph, Updegraf. Wool.	
171. Hays, J. D., Lafferty. Wool.	60	184. Watson, John, Fairpoint. Wool.	
		185. Watson, John, New Athens. Wool.	

## OKLAHOMA TERRITORY.

## LOCATION—SEC. D. S. W. QUARTER.

## Cereals, Syrups, Root Crops, Farm Products, Tobacco, Fibres.

Collective Exhibit.			GROUP 4.	
GROUP 1.			Exhibit No.	Class'n No.
1. a Wheat.	1		3. Peanuts.	
b Corn.	2			
c Oats.	3			
d Barley.	4			
e Rye.	5			
f Buckwheat.	7			
g Grasses and timothy.	8			
h Clover, alfalfa and millet.	9			
GROUP 8.			GROUP 5.	
2. Sorghum.	24		4. Broom corn, peas, beans and castor beans.	5
			GROUP 8.	
			5. Leaf tobacco.	4
			GROUP 9.	
			6. Cotton.	5
			7. Flax.	5

# OREGON.

LOCATION SEC. C.—S. E. QUARTER.

Cereals, Grasses, Hops, Fibres.

## GROUP 1.

Exhibit No.		Class'n No.
1.	Allison, John, Dayton. Wheat.	1
2.	Belshaw, George, Eugene. Wheat.	1
3.	Cottle, H. W., Salem. Grasses.	8
4.	Durbin, F. W. & M. S., Howell. Wheat.	1
5.	Hamilton & Rourk, Pendleton.	
	a Oats.	3
	b Barley.	4
6.	Joseph, Frank, McMinnville. Wheat.	1
7.	Ladd & Reed, Broadmeads.	
	a Wheat.	1
	b Oats.	3
	c Rye.	5
8.	Lafave, Ed., Pendleton. Wheat.	1
9.	Olds, George W., McMinnville. Oats.	3
10.	Simeral, W. L., Macleay. Wheat.	1
11.	Stout, David, McMinnville. Oats.	3
12.	Wilkins, Amos, Coburg, Lane Co.	
	a Wheat.	1
	b Oats.	3

Exhibit No.		Class'n No.
c	Barley.	4
d	Rye.	5
13.	Wilkins, M., Coburg.	
	a Wheat.	1
	b Oats.	3
	c Barley.	4
	d Rye.	5
	e Grasses.	8
	f Clover, alfalfa.	9

## GROUP 8.

50.	Bauer, J. C., Ankeney. Hops.	46
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## GROUP 9.

100.	Burkhart, C. P., Albany. Hemp.	59
101.	Cunningham, C., Pilot Rock. Wool, merino fleece.	60
102.	Hovenden, G. W., Hubbard. Angora wool.	60
103.	Scott, R., Milwaukee. Wool fleece.	60
104.	Wilkins, M., Coburg. Wool.	60

# PENNSYLVANIA.

LOCATION SEC. C.—N. W. QUARTER.

Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.		Class'n No.
1.	Allegheny County Home, Woodville. Wheat.	1
2.	Amer, G. A., Bath. Rye.	5
3.	Aten, H. A., Carnot. Wheat.	1
4.	Aten, J., Sabieski, McMin. Oats.	3
4a.	Aten, J. S., McMin.	
	a Wheat.	1
	b Corn.	2
	c Oats.	3

Exhibit No.		Class'n No.
5.	Baker, Thomas, Octoraro.	
	a Wheat.	1
	b Oats.	3
6.	Battin, B. F., Greenwood. Buck-wheat.	7
7.	Bean, M. B., Dalton. Oats.	3
8.	Benninger, W. M., Walnutport. Wheat.	1

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
9. Bennison, S. H., Abdera.		43. Fansola, David, Sunbury.	
a Wheat.	1	a Wheat.	
b Oats.	3	b Corn.	
10. Beyer, Simon, Eyer's Grove. Oats.	3	c Oats.	
11. Bierer, John L., Ft. Hunter. Wheat.	1	45. Faucett, Henry, Dilworthtown.	
12. Bird, Charles, Millview. Corn.	2	a Wheat.	
13. Bittenbender, D. Y., Alburtis. Corn.	2	b Corn.	
14. Blackburn, Wm. C., New Hope.		47. Fink, Daniel F., Allentown.	
Wheat.	1	a Wheat.	
15. Blair, J. A., Bath. Corn.	2	b Oats.	
16. Bohn, Edward K., Robisonia.		c Rye.	
a Wheat.	1	48. Forney, M. J., East Petersburg. Rye.	
b Oats.	3	48a. Fouse, B. S., Huntington. Wheat.	
17. Boose, A. J., Meyersdale.		49. Fraim, Isaac S., Abdera. Oats.	
a Wheat.	1	50. Fulleroff, Howard, Centre Hall. Corn.	
b Oats.	3	51. Garrett, Wm. S., Chadd's Ford. Corn.	
c Rye.	5	52. Gates, Luther & Son, Benore. Wheat.	
18. Bottorf, P. F., Pine Grove Mills.		53. Gibson, John M., Blairsville.	
a Wheat.	1	a Wheat.	
b Oats.	3	b Corn.	
19. Branson, D. H., Atglen.		c Oats.	
a Corn.	2	54. Gibson, Michael, Mansfield. Oats.	
b Oats.	3	55. Glatt, John, Chadd's Ford. Corn.	
20. Brewer, Clayton J., McConnellsburg.		56. Gravell, David, Upper Providence.	
Wheat.	1	Wheat.	
21. Brown, J. M., Butztown.		57. Greider, M. G., Moant Joy. Wheat.	
a Wheat.	1	58. Greider, L. M., Mount Joy. Oats.	
b Oats.	3	59. Grove, J. S., Tionesta. Corn.	
22. Bunting, J. M., Glen Mills. Corn.	2	61. Habbersett, J. P., Knowlton.	
23. Burpee, W. A., Philadelphia. Corn.	2	a Wheat.	
24. Calvin, H. H., Dalton.		b Corn.	
a Corn.	2	61a. Harversett, E., Mt. Alverno. Wheat.	
b Rye.	5	62. Haversett, Edmona, Mt. Alverno.	
25. Cary, G. W., Locust Lane. Wheat.	1	Corn.	
26. Clapp, Thomas L., Limestoneville.		63. Harvey, Abram, Brandywine. Corn.	
Corn.	2	64. Harvey, Ralph W., Ward. Wheat.	
27. Clark, Wm. H., Oakdale Station.		65. Harvey, R. M., Ward. Corn.	
Wheat.	1	66. Heed, John C., West Chester. Corn.	
28. Cloud, James, Oxford. Corn.	2	67. Heil, J. D., Brodhead. Barley.	
29. Cloud, James, Russelville. Corn.	2	68. Heister, Gabriel, Harrisburg. Wheat.	
30. Comact, G. A., Springville. Oats.	3	69. Hess, Jacob W., Oregon. Wheat.	
31. Comact, George W., Lynn. Wheat.	1	70. Heyburn, C. R., Camp Ground. Corn.	
32. Conner, S. J., Berwick.		71. Heyburn, M. S., Brandywine. Corn.	
a Wheat.	1	72. Hoffman, Peter, Scalp Level.	
b Oats.	3	a Wheat.	
c Rye.	5	b Oats.	
33. Conrad, Robert, Soleburg. Wheat.	1	73. Hoy, H. K., Bellefonte. Wheat.	
34. DeMatt, Cyrus, Millville. Corn.	2	74. Huber, David B., Neffsville. Oats.	
35. Derr, Jacob, Millville. Rye.	5	75. Hunter, J. A., Stormstown. Corn.	
36. Durst, George, Centre Hall. Wheat.	1	76. Hurley, Wm. W., New Hope. Wheat.	
37. Eckert, Wm., Robesonia. Corn.	2	77. Inscho, W. W., Canoe Camp. Buck-	
38. Engle & Son, H. M., Marietta. Corn.	2	wheat.	
39. Evans, Francis, Brandywine. Wheat.	1	78. Junkin, Joseph, Mercer.	
40. Evans, Samuel, Swarthmore. Wheat.	1	a Corn.	
41. Everhart, John, Franklinville.		b Oats.	
a Wheat.	1	79. Kemmer, J. W., Nazareth. Wheat.	
b Oats.	3	80. Kendall, W. A., McConnellsburg.	
42. Everhart, John, Stormstown. Corn.	2	a Corn.	
		b Timothy seed.	

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
81. Kester, N., Mardensville. Corn.	2	115. Reeder, E., New Hope.	
82. King, Geo. D., Chadd's Ford Junction. Corn.	2	a Corn.	2
83. Knapp, C. F., Falls. Oats.	3	b Oats.	3
84. Kupp, H. S., Shiremanstown.		116. Reese, Wm., Greenwood. Corn.	2
a Wheat.	1	117. Robinson, Chas., Mercer. Corn.	2
b Oats.	3	118. Robinson, Wm. M., Moorsburg. Corn.	2
c Rye.	5	119. Robb, John D., Oakdale Station. Wheat.	1
85. Lancaster, N. D., Chadd's Ford. Corn.	2	120. Rothrock, David, Bellefonte. Wheat.	1
86. Landis, Henry K., Lancaster. Wheat.	1	121. Sahn, Aaron, Neffsville. Oats.	3
87. Lanesburg, John, Canoe Camp. Corn.	2	122. Scholl, W. L., West Newton.	
88. Lussey, S. C., Hollidaysburg. Corn.	2	a Wheat.	1
89. Madara, Amos D., Robesonia. Oats.	3	b Corn.	2
90. Martin, Wm. J., Catawissa. Wheat.	1	123. Schweitzer, R. T., Bethlehem. Oats.	3
91. Mather, H. E., Greenwood. Corn.	2	124. Scott, Alexander, Concordville. Wheat.	1
92. McClue, B. B., Bath. Wheat.	1	125. Seat, Howard E., Chadd's Ford Junction. Corn.	2
93. McClure, B. B., Bath. Corn.	2	126. Shamafelt, Wm., Brinkerton. Corn.	2
94. McGraw, J. G., Newry. Buckwheat.	7	127. Shannafelt, Wm., Brinkerton. Wheat.	1
95. McGraw, J. S., Newry. Oats.	3	128. Sherwood, G. W., Falls.	
96. McGraw, John Y., Newry. Wheat.	1	a Wheat.	1
97. McMan, J. J., Cheney. Corn.	2	b Oats.	3
98. McNary, J. R., Burgettstown. Wheat.	1	129. Shivery, D. H., Bellefonte. Barley.	4
99. McSparrow, James G., Furniss.		130. Smith, Casper, Farmer's Valley. Corn.	2
a Wheat.	1	131. Smith, Gasper, Farmers Valley. Corn.	2
b Oats.	3	132. Smith, Joel, Glenburn. Oats.	3
100. Miller, Henry J., Catawissa.		133. Smith, S. W., Centre Hall. Oats.	3
a Wheat.	1	134. Snowberger, J. B., McKee's Gap. Corn.	2
b Corn.	2	135. Snyder, G. S., Middleburg.	
c Oats.	3	a Wheat.	1
d Rye.	5	b Corn.	2
e Buckwheat.	7	136. Thatcher, Howard, Brandywine.	
101. Miller, John, Brandywine. Wheat.	1	a Wheat.	1
102. Miller, John, Frankstown. Rye.	5	b Corn.	2
103. Molynenh, J. S., Millview. Wheat.	1	137. Tompson, E. A., Beech Cliff. Wheat.	1
104. Naginey, M. M., Milroy.		138. Tussey, A. C., Hollidaysburg. Wheat.	1
a Corn.	2	139. U. S. Indian School, Carlisle.	
b Oats.	3	a Wheat.	1
c Rye.	5	b Corn.	2
d Timothy seed.	8	c Oats.	3
105. Naginey, W. W., Milroy. Wheat.	1	140. Walter, Reno, Mifflinburg. Wheat.	1
106. Nesbit, W. H., Milton. Corn.	2	141. Warman, Thos., Bath.	
107. Nesbit, W. N., Milton. Oats.	3	a Corn.	2
108. Nichols, John, Brandenville.		b Buckwheat.	7
a Wheat.	1	142. Weimer, Peter, Wittenberg. Buckwheat.	7
b Corn.	2	143. Wolfe, John, Rebersburg. Wheat.	1
109. Patterson, W. C., McConnellsburg. Timothy seed.	8	144. Woodbridge, J. A., Dalton. Oats.	3
110. Patterson, W. C., State College.		145. Young, A. P., Millville.	
a Wheat.	1	a Wheat.	1
b Oats.	3	b Corn.	2
111. Piper, D. G., Locust Lane. Wheat.	1	c Oats.	3
112. Pitts, John F., Mansfield. Wheat.	1	146. Young, J. W., Romola. Oats.	3
113. Porter, Wm. A., Franklinville.		147. Zeigler, J. W., Rebersburg. Wheat.	1
a Wheat.	1	148. Zeisenheim, C., Girard.	
b Corn.	2	a Oats.	3
c Oats.	3	b Barley.	4
114. Ream, Henry, Neffsville. Rye.	5		

## Dairy and Dairy Products, Fibres.

## GROUP 7.

## Dairy Building.

Exhibit No.	Class'n No.
201. Big Elk Dairies, Oxford. Butter.	42
202. Brandywine Daines, Cossart. Butter.	42
203. Carter, John J., Chatham. Butter.	42
204. Cochran Creamery Co., Cochranville. Butter.	42
205. Corry Creamery Co., Corry. Butter.	42
206. Darlington, C. P., & Bro., Chadds Ford Junction. Butter.	42
207. Darlington, M. F., & Sons, Darlington. Butter.	42
208. Darlington, M., & Son, Pomroy. Butter.	42
209. Fawcett, Geo. C., & Sons, West Chester. Butter.	42
210. Hartley, R. S., Freehold. Butter.	42
211. Hoak, Henry, Prescott. Butter.	42
212. Jones, S. M., West Grove. Butter.	42
213. McClintock, John C., Meadville. Butter.	42

## Exhibit No.

214. McSpanan, E. L., Lancaster. Butter.	42
216. Pugh Bros., Oxford. Butter.	42
217. Reid, A. H., Brandywine. Butter.	42
218. Savery, J. S., Freehold. Butter.	42
219. Sharpless, Jos. C., London. Butter.	42
220. Sharpless, P. E., Ward. Butter.	42
221. Sharpless, W., Toughkluamon. Butter.	42
222. West Chester Dairy, West Chester. Butter.	42
223. Wild, R. J., & Ross J. T., State College. Butter.	42

## GROUP 9.

224. Woman's Silk Culture Ass'n, Philadelphia. C-A-1	42
a Silk products representing silk culture in the U. S.	42
b Cocoons.	42
c Silk flags and American-made reels.	42

## SOUTH DAKOTA.

## LOCATION SEC. C.—S. E. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class'n No.
1. Abbott, Wm., Tyndall. Grass.	8
2. Ackles, W. B., Spearfish. Wheat.	1
3. Alen, Mrs. S., Elk Point. Corn.	2
4. Alexander, J. B., Watertown. Wheat.	1
5. Atten, C., Center. Wheat.	1
6. Avery, I., Brookings. Millet.	8
7. Babb, M. L., Mitchell.	1
a Wheat.	1
b Grasses.	8
8. Babcock, Ira & Jay C., Sioux Falls.	3
a Oats.	3
b Barley.	4
9. Bachman, C. F., Watertown. Wheat.	1
10. Balenger, C., Vermillion. Corn.	2
11. Ball, Isaac, Watertown.	1
a Wheat.	1
b Oats.	3
12. Ball, James G., Watertown. Oats.	3

## Exhibit No.

13. Bartlett, George, Watertown.	8
a Wheat.	1
b Oats.	3
14. Belding, D. K., Palatine. Grass.	8
15. Benjamin, D. F., Beresford.	1
a Wheat.	1
b Corn.	3
c Oats.	3
d Grass.	8
16. Bergstresser, Fred, Wentworth. Grasses.	8
17. Bland, Arthur, Civil Bend. Corn.	2
18. Boek, O., Madison. Oats.	3
19. Bornes, Fred, Watertown.	1
a Wheat.	1
b Oats.	3
20. Bowman, Wm., Spearfish. Oats.	3
21. Bradley, D. W., Watertown. Oats.	3
22. Bridenbaugh, C., Fire Steel. Wheat.	1

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
23. Briggs, Alfred, Watertown.	Oats. 3	56. Donevah, Michael, Loretta.	Timothy 8
24. Brown, Chet, Mitchell.		grass.	
a Corn.	2	57. Eddy, James A., Long Creek.	
b Rye.	5	a Wheat.	1
c Grass.	8	b Corn.	2
25. Brown, Crawford, Kampeka.	Wheat. 1	c Oats.	3
26. Brubacher, J. A., Elk Point.	Corn. 2	d Grass.	8
27. Bruce, Charles, Yankton.	Wheat. 1	58. Evans, Robert, Spearfish.	Alfalfa 9
28. Bryant, C. H., Sioux Falls.	Blue joint grass. 8	grass.	
29. Bryany, W. H., Ellia.		59. Fancier, N. C., Fire Steel.	Grass. 8
a Wheat.	1	60. Fargo, S. C., Gayville.	Corn. 2
b Oats.	3	61. Fishback, Levi, Yankton.	Wheat. 1
30. Caldwell, W. A., Brookings.	Wheat. 1	62. Flannery, John, Elk Point.	Corn. 2
31. Carlson, C. A., Bessford.		63. Folger, A., Watertown.	Grass. 8
a Wheat.	1	64. Foster, James, South Shore.	Wheat. 1
b Corn.	2	65. Fowles, J. A., Canton.	
c Oats.	3	a Wheat.	1
32. Carlson, J., Mitchell.		b Corn.	2
a Wheat.	1	c Oats.	3
b Grass.	8	d Rye.	5
33. Carpenter, George, Watertown.	Oats. 3	c Grass.	8
34. Carter, P., Elk Point.	Corn. 2	66. Fry, D., Belford.	Wheat. 1
35. Chausee, A., Elk Point.	Corn. 2	67. Gale, Chas., White.	Wheat. 1
36. Clark, C., Mitchell.		68. Geise, John, Watertown.	Wheat. 1
a Wheat.	1	69. Gerber, Fred, Worthing.	
b Corn.	2	a Wheat.	1
37. Clark, F. H., Plankinton.		b Corn.	2
a Corn.	2	c Oats.	3
b Oats.	3	d Barley.	4
c Grass.	8	70. Green, H., Mitchell.	Grasses. 8
38. Coleman, C. M., Falesom.	Corn. 2	71. Greiner, Fred, Watertown.	Oats. 3
39. Colgan, Hugh, Tyndall.	Grass. 8	72. Greiner, J., Watertown.	
40. Conrad, Edward, Orland.	Wheat. 1	a Wheat.	1
41. Cook, John, Stover.	Grass. 8	b Oats.	3
42. Cosand, Charles F., Hartford.	Hun- arian grasses. 8	73. Griffith, John W., Canton.	
43. Cowles, E. D., Vermillion.		a Wheat.	1
a Wheat.	1	b Oats.	3
b Corn.	2	c Barley.	4
44. Crandall, Phineas, Loretta.	Rye. 5	74. Groves, J. A., Dexter.	
45. Crow, L. T., Madison.		a Oats.	3
a Wheat.	1	b Buckwheat.	7
b Oats.	3	75. Haight, Jessie, Watertown.	
c Grass.	8	a Wheat.	1
46. Crum, John, Elk Point.	Corn. 2	b Oats.	3
47. Crum, P., Elk Point.	Corn. 2	76. Hajen, I. W., Fairburn.	Wheat. 1
48. Curley, T., Henry.	Wheat. 1	77. Hall, J. B., Mitchell.	
49. Dandrel, J. M., Fairburn.	Wheat. 1	a Wheat.	1
50. Davidson, Walter, Watertown.	Wheat. 1	b Corn.	2
51. Davie, Albert, Sioux Falls.		c Barley.	4
a Wheat.	1	d Grass.	8
b Oats.	3	78. Hanson, C. P., Alexandria.	Wheat. 1
52. Deitrick, Charles, Spearfish.	Alfalfa 9	79. Hanson, John, Hermosa.	Rye. 5
grass.		80. Harriman, Wm., Spearfish.	Oats. 3
53. Dixon, Joseph, Madison.	Corn. 2	81. Harson, Amos, Elk Point.	Corn. 2
54. Dodge, Wm., Mitchell.	Oats. 3	82. Hartman, N., Mt. Vernon.	Wheat. 2
55. Doly, H., White.	Oats. 3	83. Hayward, D., Sioux Falls.	Millet. 9
		84. Hayward, O. A., Sioux Falls.	Long 8
		grass.	
		85. Hatter, W., Elk Point.	Corn. 2



## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
140. Montague, Dave, Vermillion. Corn.	2	171. Ran, L., Watertown. Wheat.	1
141. Moorehouse, A. S., Heary. Wheat.	1	172. Richardson, D., Watertown. Oats.	3
142. Morrison, George A., Sioux Falls. Barley.	4	173. Ringheim, A. A., Canton.	
143. Mulholland, J. C., Watertown.		a Wheat.	1
a Wheat.	1	b Corn.	2
b Oats.	3	c Oats.	3
144. Munger, W. H., Watertown.		d Barley.	4
a Wheat.	1	e Grass.	8
b Oats.	3	174. Riesling, Phillip, Yankton. Corn.	2
145. Murdock, M., Elk Point. Corn.	3	175. Robertson, Chas., Spokane. Wheat.	1
146. Myer, W. L., South Shore. Wheat.	1	176. Robinson, M. A., Mitchell. Grasses.	8
147. Nelson, August, Spearfish. Slough Grass.	8	177. Sandren, John, Worthing.	
148. Newton, M., Pleasant Lake. Corn.	2	a Wheat.	1
149. Nisbet, T. F., Watertown. Wheat.	1	b Oats.	3
150. Norbeck, C. L., Aurora. Wheat.	1	c Barley.	4
151. Northrop, C., Elk Point. Corn.	2	178. Sanford, John, Tyndall. Rye.	5
152. Olson, Austin, Canton.		179. Sawdusky, Samuel, Spearfish. Oats.	3
a Wheat.	1	180. Schulze, F. P., Watertown.	
b Corn.	2	a Wheat.	1
c Oats.	3	b Oats.	3
d Barley.	4	181. Schulze, L., Watertown.	
e Grass.	8	a Wheat.	1
153. Ottens, O. T., Brookings. Oats.	3	b Oats.	3
154. Overseth, Ole, Hudson.		182. Seville, John, Hopper.	
a Wheat.	1	a Wheat.	1
b Corn.	2	b Oats.	3
c Oats.	3	183. Seville, G. W., Hopper. Rye.	5
d Barley.	4	184. Seymour, F., Watertown. Wheat.	1
e Grass.	8	185. Sheldord, Earnest, White. Wheat.	1
155. Pace, J., Civil Bend. Corn.	2	186. Sheppardson, Charles, Gayville.	
156. Parry, Wm. G., Dudley. Oats.	3	a Wheat.	1
157. Patterson, John, Madison. Corn.	2	b Corn.	2
158. Perkins, Ira, Mt. Vernon.		187. Shouse, H. C., Plankinton. Wheat.	1
a Wheat.	1	188. Skinner, Samuel, Brookings. Oats.	3
b Grasses.	8	189. Slade, W. K., Hudson.	
159. Peterson, Peter, Hermosa. Oats.	3	a Wheat.	1
160. Pfifer, Herbert, Watertown. Wheat.	1	b Corn.	2
161. Pfifer, J., Watertown. Wheat.	1	c Oats.	3
162. Pierson, John, Yankton.		d Grass.	8
a Corn.	2	190. Smith, A. G., Madison.	
b Alfalfa and clover.	9	a Barley.	4
163. Piper, Wm., Avon.		b Timothy.	8
a Wheat.	1	191. Smith, C. H., Madison. Wheat.	1
b Oats.	3	192. Smith, Ira, Elk Point. Corn.	2
164. Pnusz, Fritz, Hartford.		193. Smith, J. C., Fairburn. Wheat.	1
a Red top grasses and timothy.	8	194. South Dakota Agr'l Experimental Station, Brookings.	
b Red clover.	9	a Wheat.	1
165. Pratt, Herbert, Spearfish. Corn.	2	b Oats.	3
166. Prentice, J., Brookings. Millet.	8	c Barley.	4
167. Pratt, J. S., Spearfish.		d Rye.	
a Corn.	2	e Millet.	8
b Grasses.	8	195. Spanen, H., Brant Lake. Rye.	5
c Clover and alfalfa.	9	196. Spencer, J. E., Watertown.	
168. Preston, H. C., Mitchell. Wheat.	1	a Wheat.	1
169. Purcell, Robert, Kampeska. Wheat.	1	b Oats.	3
170. Rackerville, C. R., Hermosa. Buckwheat.	7	197. Spencer, Samuel, Watertown. Oats.	3
		198. Spicer, George, Vermillion. Corn.	2
		199. Sprig, G., Otis. Wheat.	1

## Cereals, Grasses, Farm Products, Dairy Products, Fibres.

Exhibit No.		Class'n No.
200.	Spurling, Ed., Brookings. Oats.	3
201.	Stephens, H., Elk Point. Corn.	2
202.	Stephenson, L., Yankton. Grass.	8
203.	Stroup, J., South Shore. Wheat.	1
204.	Sweet, J. B., Watertown.	
	a Wheat.	1
	b Oats.	3
205.	Talcott, James, Elk Point. Corn.	2
206.	Tarjo, Mrs. James, Vermillion.	
	a Wheat.	1
	b Corn.	2
	c Oats.	3
207.	Tenvillije, Charles, Hermosa. Corn.	2
208.	Terrant, Wm., Fairburn. Alfalfa.	9
209.	Toms, M. G., Spearfish. Rye.	5
210.	Toomey, Daniel, Spearfish. Grass.	8
211.	Thorson, Samuel, Canton.	
	a Wheat.	1
	b Corn.	2
	c Oats.	3
	d Barley.	4
	e Rye.	5
212.	Tracy, G., Watertown.	
	a Wheat.	1
	b Oats.	3
213.	Tyler, Alfred, White. Oats.	3
214.	Vincent, Wm., Elk Point. Corn.	2
215.	Walkin, M., Castlewood.	
	a Wheat.	1
	b Corn.	2
216.	Walkus, C., Avon. Timothy grass.	8
217.	Wallace, N. J., Elk Point. Corn.	2
218.	Walters, B. T., Spearfish. Red-top.	8
219.	Weisser, John, Tyndall. Wheat.	1
220.	Wells, Fred., Bon Homme. Oats.	3
221.	Wells, Joseph, Spearfish.	
	a Rye	5
	b Buckwheat.	7
222.	Welsh, L. S., Watertown. Wheat.	1
223.	West, Daniel, Mitchell. Grasses.	8
224.	Whiting, George, Yankton. Corn.	2
225.	Wilson, L., Watertown.	
	a Wheat.	1
	b Millet.	8
226.	Willis, W., Watertown. Wheat.	1
227.	Wood, E. D., Elk Point. Corn.	2

## GROUP 5.

228.	Brown, Chet, Mitchell. Beans.	32
229.	Cook, J. E., Spearfish. Beans.	32
230.	Jenks, D. F., Yankton. Beans and peas.	32
231.	Kampshoff, Frank, Mitchell. Broom corn.	32
232.	Pratt, J. S., Spearfish. Beans.	32

## GROUP 7.

232a.	Becht, Mrs. Rosina Webster. Butter.	42
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## GROUP 9.

Exhibit No.	
233.	Anderson, C. J., Plankinton. Flax.
234.	Babcock, Ira & Jay C., Sioux Falls. Flax.
235.	Dixon, Joseph, Madison. Flax.
236.	Fowles, J. A., Canton. Flax.
237.	Griffith, John W., Canton. Flax.
238.	Hughes, E., Tyndall. Flax.
239.	Kartredt, G. S., Canton. Flax.
240.	Mapes, Orrin, Watertown. Flax.
241.	Millage, John, Canton. Flax.
242.	Miller, W. H., Canton. Flax.
243.	Olson, Austin, Canton. Flax.
244.	Patterson, John, Madison. Flax.
245.	Richardson, D., Watertown. Flax.
246.	Sandren, John, Worthing. Flax.
247.	Saunders, P. A., Mitchell. Flax.
248.	Schulze, F. P., Watertown. Flax.
249.	Schulze, L., Watertown. Flax.
250.	Spanen, H., Brant Lake. Flax.
251.	Stroup, J., South Shore. Flax.
252.	Thomas, D. C., Watertown. Flax.
253.	Wilson, L., Watertown. Flax.

## SOUTH DAKOTA FLOURING MILLS.

## Location—Sec. H-J-4.

1.	Aberdeen Mill Co., Aberdeen. Flour.
2.	Bascom, B. D., Clark. Flour.
3.	Beynan, L. J., Brookings. Flour.
4.	Bryan, Wheaton and Furchner, Plankinton. Flour.
5.	Carthage Merchant Mills, Carthage. Flour.
6.	Ditwiler, H. B. & Co., St. Lawrence. Flour.
7.	Ellendale Mill Co., Ellendale. Flour.
8.	Excelsior Mill Co., Excelsior. Flour.
9.	Frankfort Mill Co., Frankfort. Flour.
10.	Frederick Mill Co., Frederick. Flour.
11.	Kutnewsky Bros., Redfield. Flour.
12.	Laurson, Norton & Co., Howard. Flour.
13.	Miller, H. & Son, Miller. Flour.
14.	Monmouth Merchant Mills, Mitchell. Flour.
15.	Montrose Roller Mill Co., Montrose. Flour.
16.	Morrison, E. A., De Smet. Flour.
17.	Northey & Duncan, Wonsocket. Flour.
18.	Peck, C. E. & Co., Elkton. Flour.
19.	Smith, N.B. & Son, Madison. Flour.
20.	Stokes, W. H., Watertown. Flour.
21.	Taylor & Co., Marion. Flour.
22.	Webster Roller Mills, Webster. Flour.
23.	Winona & Dakota Grain Co., Arlington. Flour.

## UTAH.

## LOCATION—SEC. C.—N. W. QUARTER.

## Cereals, Root Crops, Farm Products.

## GROUP 1.

Exhibit No.	Class'n No.
1. Agricultural College, Logan.	
a Wheat.	1
b Barley.	4
2. Armstrong, T. C., Salt Lake City.	
Wheat.	1
3. Barrett, George, Logan. Wheat.	1
4. Carlisle, John, Mill Creek. Oats.	3
5. Cazier, David, Nephi.	
a Wheat.	1
b Oats.	3
6. Christenson, C. L., Salem.	
a Wheat.	1
b Oats.	3
7. Ellis, Wm., Logan. Corn.	2
8. Handly, C. I., Salt Lake City. Barley.	4
9. Hanson, F. H., Salt Lake City.	
Wheat.	1
10. Hanson, T. H., Salt Lake City. Barley.	4
11. Hagi, Christian, Logan. Corn.	2
12. Jessop, Richard, Millville. Lucerne seed.	8
13. Kidman, Wm., Peterboro.	
a Wheat.	1
b Corn.	2
14. King, J., Logan. Corn.	2
15. Lemon, J. C., Ferron. Lucerne seed.	8

Exhibit No.	Class'n No.
16. Mackay, John, Granger. Wheat in straw.	1
17. Maughan, C. W., Petersboro. Wheat in straw.	1
18. Middleton, C. F., Ogden. Wheat.	1
19. Moses, George, Taylorsville. Barley.	4
20. Oleson, T. F., Emery. Wheat.	1
21. Rayburn, Chas. W., Hyrum. Wheat.	1
22. Salisbury, Josiah, Wellsville. Barley.	4
23. Stalks, Morini, Lewiston. Wheat.	1
24. Titcomb, John, Mill Creek.	
a Wheat.	1
b Oats.	3
25. Woodfield, Wm., North Ogden.	
a Wheat.	1
b Barley.	4

## GROUP 4.

26. Salisbury, Joshua, Millville. Onion and carrot seeds.	30
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## GROUP 5.

27. Allen, A. A., Cache. Beans.	32
28. Carlisle, John, Logan. Beans and peas.	32
29. Lofthouse, James, Paradise. Peas.	32

## VERMONT.

## LOCATION—SEC. G.

## Sugars, Syrups, Dairy Products.

## GROUP 8.

## Location—G-I-9.

Exhibit No.	Class'n No.
1. Abbott, L. H., East Bethel.	Maple syrup. 21
2. Adams, Edwin P., Marlboro.	Maple sugar. 21
3. Allen, J. A., East Dummerston.	Maple sugar and syrup. 21
4. Bancroft, E. H., Calais.	Maple syrup. 21
5. Bass, E. L., Marlboro.	Maple sugar and syrup. 21
6. Bowker, B. A., Bloomfield.	Maple syrup. 21
7. Chase, Perry, East Fairfield.	Maple sugar. 21
8. Chase, Zenia G., East Fletcher.	Maple sugar. 21
9. Croft, A. J., Enosburg Falls.	Maple sugar. 21
10. Foster, S. H., North Calais.	Maple sugar. 21
11. Frost, J. B., & Son, Brattleboro.	Maple syrup. 21
12. Grout, W. W., East St. Johnsbury.	Maple sugar. 21
13. Holbrook, R. A. & W. W., Belvidere Corners.	Maple syrup. 21
14. Johnson, J. B., Shrewsbury.	Maple syrup. 21
15. Libbey, A. S., Northfield.	Maple syrup. 21
16. Miles, McMahon & Co., Stowe.	Maple sugar and syrup. 21
17. Miller, Joseph, East Dummerston.	Maple sugar and syrup. 21
18. Rhodes, J. Foster, Woodstock.	Maple syrup. 21
19. Spear, Victor I., Braintree.	Maple syrup. 21

Exhibit No.	Class'n No.
20. Strong, P. W., North Pomfret.	Maple syrup. 21
21. Taplin, E. Tenny, East Corinth.	Maple sugar. 21
22. Thurber, C. O., & Son, Halifax.	Maple syrup. 21
23. Vermont Maple Sugar Exhibit, Brattleboro.	Maple sugar and syrup. 21
24. Ware, O. O., Wilmington.	Maple sugar and syrup. 21
25. Whitman, C. D., Zafstville.	Maple syrup. 21
26. Wood, David R., Morrisville.	Maple sugar and syrup. 21

## GROUP 7.

## Dairy Building.

51. Brattleboro Creamery Co., Brattleboro.	Butter. 42
52. Burt, John W., West Randolph.	Butter. 42
53. Drew, L. S., Burlington.	Butter. 42
54. Drew, S. S., Burlington.	Butter. 42
55. Experimental Station, Burlington.	Butter. 42
56. Franklin County Creamery Association, St. Albans.	Butter. 42
57. Gilson, Truman, Sharon.	Butter. 42
58. Green Mt. Stock Farm, West Randolph.	Butter. 42
59. Hazen, C. D., Olcott.	Butter. 42
60. Loveland, J. H., Norwich.	Butter. 42
61. Miller, M. H., Pomfret.	Butter. 42
62. Sharon Creamery, Sharon.	Butter. 42
63. Springfield Creamery Co., Springfield.	Butter. 42
64. Vail, Homer W., Pomfret.	Butter. 42
65. Valley Creamery Association, Westminster.	Butter. 42
66. Walker, Henry, Brandon.	Butter. 42

## VIRGINIA.

## LOCATION—SEC. C.—S. E. QUARTER.

## Cereals, Root Crops, Farm Products, Tobacco, Fibres.

## GROUP 1.

Exhibit No.	Class'n No.
1. Apperson, Jno. S. Marion.	
a Wheat.	1
b Corn.	2
2. Bedford County.	
a Wheat.	1
b Oats.	3
3. Bransford, Mrs. Alice, Shirley. Hay.	8
4. Buckingham County.	
a Wheat.	1
b Corn.	2
c Oats.	3
5. Drewry, A. H., Westover. Corn.	2
6. Hanover County. Corn.	2
7. Hart, Jno. L., Hurt's Store. Wheat.	1
8. Madison County.	
a Wheat.	1
b Corn.	2
c Oats.	3
9. Preston, Jno. M., Seven Mile Ford. Hay.	8
10. Prince Edward County.	
a Wheat.	1
b Corn.	2
11. Princess Anne County. Corn.	2
12. Shenandoah County.	
a Wheat.	1
b Corn.	2
c Oats.	3
d Hay.	8
13. Tynes, G. A., Tazewell. Blue grass sod.	8

## GROUP 4.

4. Smith, I. C. Petersburg. Peanuts.	31
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## GROUP 5.

15. Bedford County. Pease.	32
16. Princess Anne County. Vegetables.	32

## GROUP 8.

17. Averett & Harvey, Danville. Tobacco.	48
18. Bedford County. Tobacco.	48

Exhibit No.	Class'n No.
19. Brown & Perkinson, Danville. Tobacco.	48
20. Cameron & Cameron, Richmond. Tobacco.	48
21. Cameron, Wm., & Bro. Tobacco.	48
22. Cosby, I. H., & Bro., Danville. Tobacco.	48
23. Dibbrell Bros., Danville. Tobacco.	48
24. Dixon & Co., Danville. Tobacco.	48
25. Duld, C. C., Danville. Tobacco.	48
26. Grandy & Miller, Danville. Tobacco.	48
27. Henderson, J. A., Danville. Tobacco.	48
28. Hickey, C. H., Danville. Tobacco.	48
29. Holcomb, D. I., Danville. Tobacco.	48
30. Hughes, Geo. S., & Co., Danville. Tobacco.	48
31. Jones, E. K., Danville. Tobacco.	48
32. Jordan, M. P., Danville. Tobacco.	48
33. Lee, Geo. A., Danville. Tobacco.	48
34. Madison County. Tobacco.	48
35. Pemberton & Pean, Danville. Tobacco.	48
36. Schofield, Boatright & Co., Danville. Tobacco.	48
37. Semple, Wm. M., & Co., Martinsville. Tobacco.	48
38. Spencer Bros., Martinsville. Tobacco.	48
39. Sutherland, Mead Tobacco Co., Danville. Tobacco.	48
40. Tobacco Ass'n, South Boston. Tobacco.	48
41. Venable, E. C., Danville. Tobacco.	48
42. Wemple & Co., Danville. Tobacco.	48
43. Williamson, T. S., Danville. Tobacco.	48

## GROUP 9.

44. Nielson, T. B., Craig Co. Wool.	60
45. Preston, John M., Seven Mile Ford. Wool.	60
46. Sanders, John L., Chilhowie. Wool.	60
47. Smith, H. E., Suffolk. Cotton.	53
48. Bedford County. Wool.	60

## WASHINGTON.

LOCATION—SEC. C.—S. E. QUARTER.

Cereals, Honey, Root Crops, Farm Products, Dairy Products, Fibres.

GROUP 1.		Class'n No.
Exhibit No.		
1. Bush, W. O., Olympia.		
<i>a</i> Wheat.	1	
<i>b</i> Corn.	2	
<i>c</i> Oats.	3	
<i>d</i> Barley.	4	
<i>e</i> Rye.	5	
<i>f</i> Buckwheat.	7	
<i>g</i> Grasses.	8	
<i>h</i> Alfalfa, etc.	9	
2. Thurston County.		
<i>a</i> Wheat.	1	
<i>b</i> Corn.	2	
<i>c</i> Oats.	3	
<i>d</i> Barley.	4	
<i>e</i> Grasses.	8	
<i>f</i> Clover, etc.	9	

## GROUP 2.

3. Bush, W. O., Olympia.	Honey.	26
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## GROUP 4.

4. Bush, W. O., Olympia.		
<i>a</i> Potatoes, onions, etc.	28	
<i>b</i> Beets, carrots, turnips, etc.	30	

## GROUP 3.

5. Bush, W. O., Olympia.	Beans and peas, and other farm products.	32
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## GROUP 7.

## Dairy Bufllding.

Exhibit No.		Class'n No.
7. Bush, W. O., Olympia.	Butter.	42

## GROUP 8.

8. Bush, W. O., Olympia.		
<i>a</i> Hops.		46
<i>b</i> Tobacco.		48
<i>c</i> Cigars.		52

## GROUP 9.

10. Bush, W. O., Olympia.	Flax and hemp.	59
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Exhibits Classified in Other Departments  
but Installed in This.

## DEPARTMENT B.

## GROUP 21.

Pomology. Manufactured Products.  
Methods and Appliances.

50. Bush, W. O., Olympia.		
<i>a</i> Nuts.		137
<i>b</i> Fruits and berries in glass.		140

## WEST VIRGINIA.

LOCATION SEC. C.—N. W. QUARTER.

Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.		Class'n No.
1. Adams, John D., Sileam.		
<i>a</i> Wheat.	1	
<i>b</i> Corn.	2	
<i>c</i> Oats.	3	
<i>d</i> Barley.	4	
<i>e</i> Rye.	5	
2. Alexander, J. S., Frankford.	Rye.	5
3. Atkinson, J. C., Buffalo.	Wheat.	1

Exhibit No.		Class'n No.
4. Baker, Dennis, Marlow.	Wheat.	1
5. Banc, John, Short Creek.	Wheat.	1
6. Barlow, Geo., Charlestown.	Wheat.	1
7. Barnett, G. W., Frazier's Bottom.		
<i>a</i> Corn.		2

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class's No.	Exhibit No.	Class's No.
8. Barnett, J. W., & Bro., Rockport.		43. Cox, Jack, West Liberty.	
Wheat.	1	a Corn.	2
9. Barnett, Thomas, Pliny. Wheat.	1	b Oats.	3
10. Barret, J. D., Academy. Corn.	2	44. Cox, T. R., Central City. Wheat.	1
11. Baylor, Geo., Charlestown. Corn.	2	45. Craft, D. C., Bethany. Corn.	2
12. Beard, C. J., Flat Rock. Wheat.	1	46. Creum, T., Sandyville. Wheat.	1
13. Beard, D. A., Martinsburg. Wheat.	1	47. Crow, G. B., Ripley. Oats.	3
14. Beckwith, Wm., Cottageville.		48. Crow, J. B., Ripley.	
a Wheat.	1	a Corn.	2
b Corn.	2	b Oats.	3
15. Blayne, Ed., Potomac. Wheat.	1	49. Crium, J. T., Sandyville. Oats.	3
16. Blayne, Jas., Potomac. Wheat.	1	50. Crow, Wm., Angerona.	
17. Bobbett, F. P., Gap Mills. Corn.	2	a Wheat.	1
18. Bobbett, H. P., Keenan. Corn.	2	b Corn.	2
19. Bobbett, R. W., Union. Corn.	2	51. Curry, John G., Hamlin. Oats.	3
20. Bobbett, Pen., Talcott. Corn.	2	52. Cyrus, Abram, White Creek. Wheat.	1
21. Bobbett, Pen., Wolf Creek. Corn.	2	53. Davis, Alvin, Love. Corn.	2
22. Bogger, Wm. R., Zenith. Buck- wheat.	7	54. Dixon, Jas., West Liberty. Wheat.	1
23. Borton, Mack, Wayne C. H. Wheat.	1	55. Douglass, Hiram, Ripley.	
24. Branaugh, E. A., Buffalo.		a Corn.	2
a Wheat.	1	b Oats.	3
b Corn.	2	56. Dunlop, Jas., Union. Corn.	2
25. Brown, C. C., Buffalo. Wheat.	1	57. Dunn, J. A., Maupins. Wheat.	1
26. Brown, C. C., Charleston.		58. Dunn, Wm., Leon. Corn.	2
a Wheat.	1	59. Elexander, Henry, Frazier's Bottom.	
b Corn.	2	Wheat.	1
27. Brown, E. W., Ravenswood.		60. Ellis, Albert, Hurricane. Wheat.	1
a Corn.	2	61. Ellison, T. A., Frost Hill. Corn.	2
b Oats.	3	62. Estes, Jack, Peays. Wheat.	1
28. Brown, Jas., Sandyville.		63. Everett, Jas., Milton. Wheat.	1
a Corn.	2	64. Farrell, D. W., Roneys Point. Corn.	2
b Oats.	3	65. Felker, C. G., Martinsburg. Barley.	4
29. Brown, M. V., Buffalo.		66. Ferguson, C. W., Wayne. Corn.	2
a Wheat.	1	67. Fergusson, Jas., Wayne, C. H. Corn.	2
b Corn.	2	68. Fergusson, Capt. S. J., Fergusson.	
30. Burkhart, J. D., Martinsburg. Wheat.	1	Corn.	2
31. Burkhart, J. D., Sr., Mineral Springs.		69. Ferrier, M. P., Lewisburg.	
Corn.	2	a Wheat.	1
32. Burley, Jas. A., Thompson. Buck- wheat.	7	b Oats.	3
33. Carson, Wm., McGill. Wheat.	1	70. Foard, D. A., Pliny	
34. Clipp, John W., Charlestown. Corn.	2	a Wheat.	1
35. Coffenbarger, Jas. H., Shepherdstown.		b Corn.	2
Wheat.	1	c Oats.	3
36. Conklyn, C. C., Charlestown. Corn.	2	71. Foard, T. W., Buffalo. Wheat.	1
37. Connelly, M. T., Clinton.		72. Forman, W. W., West Liberty.	
a Wheat.	1	Wheat.	1
b Oats.	3	73. Forney, C. C., Bethany.	
38. Cooper, W. P., Grimm's Landing.		a Wheat.	1
Corn.	2	b Buckwheat.	7
39. Copperton, Allen, Union. Corn.	2	74. Frazier, J. W., Frazier's Bottom.	
40. Couch, John B., Couch. Wheat.	1	Wheat.	1
41. Couch, P. S., South Side. Wheat.	1	75. Fowler, Jas., McGill. Corn.	2
42. Councleman, J. W., Bethany.		76. Gardner, J. W., Pt. Pleasant. Wheat.	
a Wheat.	1		
b Corn.	2	77. Garrett, W. B., Dickson. Corn.	2
c Oats.	3	78. Garrett, Wm. F., Dickson. Oats.	3

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class's No.	Exhibit No.	Class's No.
79. Gibson, W. B., West Alexander.	1	109. Kernes, F. J., Pliny.	
Wheat.	1	a Wheat.	
80. Good, W. A., Frost Hill. Oats.	3	b Corn.	
81. Gordon, A. W., Blennerhassett land. Corn.	2	110. Kyle, Ed., Huntington. Corn.	
82. Gruber, Joseph, Martinsburg. Corn.	2	111. Kyner, A. K., Martinsburg. Oats.	
83. Gruse, Wm., West Liberty. Oats.	3	112. Landis, Joseph, Marlow. Wheat.	
84. Guinn, A. B., Lowell. Corn.	2	113. Leach, J. B., Sink's Grove. Wheat.	
85. Guinn Bros., Huntington. Wheat.	1	114. Lemaster, A. J., Falling Water. Corn.	
86. Hall, Thomas, Oldarker's Mill. Wheat.	1	115. Lemons, Wash., Sink's Grove.	
87. Hanley, John, Mercer's Bottom. Wheat.	1	a Wheat.	
88. Hartley, Thomas, West Liberty.		b Corn.	
a Wheat.	1	116. Lemon, W. T., Sink's Grove. Wheat.	
b Corn.	2	117. Lemons, W. F., Sink's Grove. Corn.	
c Oats.	3	118. Lewis, W. G., Valley Grove.	
89. Harvey, R. T., Buffalo.		a Wheat.	
a Wheat.	1	b Rye.	
b Corn.	2	119. Light, J. H., Bedington. Wheat.	
c Oats.	3	120. Lindington, J. C., Frankford. Oats.	
90. Harwood, Jas., Potomac. Wheat.	1	121. Little, Robt., Parkersburg. Corn.	
91. Haymon, Rich, Willow Grove.		122. Lockwood, John, White's Creek. Oats.	
a Corn.	2	123. Love, Peter, Love. Wheat.	
b Oats.	3	124. Lowton, Arnold, West Liberty. Oats.	
92. Hedges, A. V., West Liberty.		125. Ludington, C. I., Frankford. Oats.	
a Wheat.	1	126. Lupton, Edward, Martinsburg. Corn.	
b Corn.	2	127. Lynch, C. E., Union. Wheat.	
93. Hanshaw, E. S., Bunker Hill. Wheat.	1	128. Lynch, G. T., Union. Wheat.	
94. Herburt, W. A., Gerrardstown. Wheat.	1	129. Madden, Robert, Hamlin. Wheat.	
95. High, Abel, Purgittsville. Wheat.	1	130. Mann, B. F., Ft. Spring.	
96. Hielt, Henry H., Hanging Rock.		a Corn.	
a Wheat.	1	b Oats.	
b Corn.	2	131. Markham, Lee, Griffith.	
97. Hodge, J. S., Peckaway. Wheat.	1	a Wheat.	
98. Hogg, William, Short Creek. Wheat.	1	b Corn.	
99. Holley, A. D., Hamlin. Corn.	2	132. Maxwell Bros., Roney's Point.	
100. Holly, Joel, Hamlin. Wheat.	1	a Wheat.	
101. Hunter, J. A., Lilly Dale.		b Corn.	
a Corn.	2	c Oats.	
b Oats.	3	133. Mays, J. S., Frankford.	
102. Jackson, H. A., Wayne. Corn.	2	a Wheat.	
103. Jacob, S. S., West Liberty.		b Corn.	
a Wheat.	1	134. McCallister, Maj. J., Hickory.	
b Corn.	2	a Wheat.	
104. Jenkins, Jeff, Green Botom.		b Corn.	
a Wheat.	1	135. McCausland, Gen. Jno. M., Grimm's Landing.	
b Corn.	2	a Wheat.	
c Oats.	3	b Oats.	
105. Johnson, C. E., Union. Corn.	2	136. McCulloch, J. W., Clinton. Corn.	
106. Johnson, M., Hamlin.		137. McCulloch, J. W., Clinton.	
a Wheat.	1	a Wheat.	
b Oats.	3	b Oats.	
107. Keesucker, Jacob, Oakton. Wheat.	1		
108. Kerrfoot, John B., Kearneysville.	1		

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
138. McGarey, John D., Shenandoah.		167. Rader, S. B., Renicks Valley.	
a Wheat.	1	a Wheat.	1
b Corn.	2	b Corn.	2
139. McGuffin, J. B., South Side.	1	c Oats.	3
140. McNeal, A. R., Old Fields.	2	168. Renick, J. H. & H. E., Falling Springs.	
141. McNeal, Geo., Academy.		a Wheat.	1
a Wheat.	1	b Corn.	2
b Corn.	2	c Buckwheat.	7
c Oats.	3	169. Riffle, Wm., Flat Rock.	1
142. McNeal, Jas., Academy.		170. Roberts, Wm., Muse's Bottom.	
a Wheat.	1	a Wheat.	1
b Corn.	2	b Corn.	2
c Buckwheat.	7	171. Rowan, J. M., Union.	
143. McWreath, W. C., Potomac.		a Wheat.	1
a Wheat.	1	b Corn.	2
b Oats.	3	c Oats.	3
144. Melen, J. G., Zenith.	7	172. Sayears, E., Jefferson.	1
145. Miller, Geo. W., Snyder's Mills.		173. Schultz, E. B., Hickory.	1
a Corn.	2	174. Sebrall, J. L., Grimm's Landing.	
146. Miller, Thomas, Zenith.	7	a Wheat.	1
147. Miller, Unah, Shepherdstown.		b Oats.	3
a Wheat.	1	175. Seferen, John, Buffalo.	
b Corn.	2	a Wheat.	1
148. Moore, C., Wayne C. H.	1	b Corn.	2
149. Moore, Elijah, W. Alexander.	2	176. Seibert, C. J., Martinsburg.	
150. Moore, Geo., Wayne C. H.	3	a Wheat.	1
151. Moore, Wm., West Alexander.		b Oats.	3
a Wheat.	1	177. Shanklin, J. P., Hunter's Springs.	
152. Morgan, Capt. J. B., Grimm's Land- ing.	1	a Wheat.	1
153. Morgan, John, Poca.	1	178. Shepherd, Wm. L., Martinsburg.	
154. Morgan, Henry C., West Liberty.		a Rye.	5
a Wheat.	1	179. Shoemaker, Jas., Love.	2
155. Morgan, Wm., Grimm's Landing.		180. Skinner, D. W., Pliny.	
a Wheat.	1	a Wheat.	1
b Corn.	2	b Corn.	2
156. Morris, Jas. M., Winfield.		181. Skinner, G. E., Pliny.	2
a Wheat.	1	182. Small, J. B., Martinsburg.	
b Corn.	2	a Wheat.	1
157. Morris, J. W., Midway.		b Corn.	2
a Wheat.	1	183. Small, John D., Martinsburg.	2
b Corn.	2	184. Small, M. V., Martinsburg.	1
158. Musgrave, Asa., Maggie.		185. Small, W. H., Martinsburg.	
a Wheat.	1	a Rye.	4
b Rye.	5	186. Smith, C. E., Shannon.	3
159. Nash, Robt., Buffalo.	2	187. Smith, H. C., West Liberty.	
160. Nuzum, Scott, Potomac.	3	a Wheat.	1
161. Nickell, C. C. & T. A., Nickells.		188. Smith, J. S., Shannon.	1
a Rye.	5	189. Snyder, D. W., Falling Water.	
162. Noffsinger, Ed., Red House Shoals.		a Wheat.	1
a Wheat.	1	190. Sperow, C. R., Martinsburg.	
163. Nell, Geo. M., Martinsburg.	1	a Wheat.	1
164. Novelty Mill Co., Parkersburg.		b Corn.	2
a Floor.	11	191. Sperow, Benj. F., Martinsburg.	
165. Packitt Bros., Charlestown.	1	a Wheat.	1
166. Park, Geo., Ravenswood.		b Corn.	2
a Wheat.	1	193. Sperow, George H., Spring Mills.	
b Corn.	2	a Wheat.	1

## Cereals, Grasses and Forage Plants, Farm Products, Tobacco.

Exhibit No.	Class'n No.	Exhibit No.
194. Sperow, George R., Martinsburg. Wheat.	1	221. Gordon, A. W., Blennerhassett Island. Beans.
195. Stalder, W. F., Pliny. Wheat.	1	222. Miller, Unah, Shepherdstown. Beans.
196. Staton, S. C., Red House Shoals. Wheat.	1	<b>GROUP 8.</b>
197. Staton, Simon, Red House Shoals. Corn.	2	223. Adams, John D., Bigstee. Tobacco.
198. Stordis, John, Griffith. Oats.	3	224. Barnett Bros., Port Rock. Tobacco.
199. Sydenstock, J. M., Lewisburg. Wheat.	1	225. Brown, J. M., Linside. Tobacco.
200. Tabler, J. N., Green Hill. Wheat.	1	226. Brown, Reuben, Linside. Tobacco.
201. Taylor, Milton, West Liberty. Wheat.	1	227. Calwell, S. W., Pt. Pleasant. Tobacco.
202. Thatcher, Joseph B., Martinsburg. Wheat.	1	228. Chamber, A. J., Mercer Salt Works. Tobacco.
203. Thacher, J. N., Martinsburg. Wheat.	1	229. Cooper, E. W., Oak Hill. Tobacco.
204. Thomas, J. B., West Alexander. Buckwheat.	7	230. Corgill, Hon. G. W., Winfield. Tobacco.
205. Thomas, Jas. R., Hunter's Springs. Oats.	3	231. Dunn, James P., Peterstown. Tobacco.
206. Thompson, Capt. J. K., Raymond City. Wheat.	1	232. Elexander, Henry, Frazier's Bottom. Tobacco.
207. Tomlinson, D., Pickaway. a Wheat.	1	233. Ellison, T. A., Frost Hill. Tobacco.
b Clover seed.	9	234. Epperly, Preston, Fayetteville. Tobacco.
208. Tyree, W. F., Frankford. Wheat.	1	235. Gentry, T. J., Fayetteville. Tobacco.
209. Waite, John P., Parkersburg. a Corn.	2	236. Johnson, V. C., Frazier's Bottom. Tobacco.
b Buckwheat.	7	237. Mandiville, J. H., Indian Mills. Tobacco.
210. Walker, C. W., Indian Mills. a Corn.	2	238. McCallister, Maj. J., Hickory. Tobacco.
b Oats.	3	239. Millard, W. H., Fayetteville. Tobacco.
c Buckwheat.	7	240. Nash, Robt. B., Buffalo. Tobacco.
211. Waugh, Wm., Bigstem. a Wheat.	1	241. Nash, M. C., Buffalo. Tobacco.
b Corn.	2	242. Perry, C. W., Fayetteville. Tobacco.
212. Way, Hamilton, Clinton. Wheat.	1	243. Perry, R. T., Fayetteville. Tobacco.
213. Wells, R. M., Buffalo. Corn.	2	244. Poteet, J. H., Oak Hill. Tobacco.
214. Westenhaver, Daniel, Martinsburg. Corn.	2	245. Roherson, S. H., Peterstown. Tobacco.
215. Westenhaver, David, Middleway. Wheat.	1	246. Shank, Jas. R., Buffalo. Tobacco.
216. Williams, Jas., Willow Grove. Oats.	3	247. Shank, Lewis, McGill. Tobacco.
217. Williamson, Jas., Willow Grove. a Wheat.	1	248. Smith, James R., Pliny. Tobacco.
b Corn.	2	249. Stewart, C. J., Flat Rock. Tobacco.
218. Wilson, Mrs. J. B., Wheeling. a Wheat.	1	250. Stewart, J. H., Raymond City. Tobacco.
b Oats.	3	251. Walker, C. W., Indian Mills. Tobacco.
219. Wilson, J. M., Short Creek. a Corn.	2	
b Oats.	3	
<b>GROUP 5.</b>		
220. Forney, C. C., Bethany. Navy beans.	32	

## WISCONSIN.

LOCATION—SEC. D.—S. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1 Acker, Wm., Junction. Wheat.	1	27. Beals, O., Omro.	2
2 Agneburg, Nels, Whitehall. Buckwheat.	7	a Corn.	5
3 Ahlers, N., Grafton. Wheat.	1	b Rye.	5
4 Albert, Henry W., Oconomowoc. Rye.	5	28. Beaver, M. G., Sun Prairie.	3
5 Allen, J. W., Ripon. Wheat.	1	a Oats.	7
5a. Allen, W. E., Beaver Dam. Timothy seed.	8	b Buckwheat.	7
6 Alvos, F., Chilton.		29. Behring, Hilman, Schleisingerville.	9
a Wheat.	1	Clover seed.	9
b Barley.	4	30. Beine, Catherine, Schleisingerville.	3
7. Ames, F. A., Clinton Junction. Popcorn.	2	Oats.	3
8. Anacker, Bernard, Portage. Wheat.	1	31. Bemis, A. D., Plymouth.	1
9. Anderson, H. C., Albion. Oats.	3	a Wheat.	7
9a. Anderson, Swan, Stockholm. Barley.	4	b Buckwheat.	7
10. Anderson, Mat, Klevenville. Clover seed.	8	32. Bender, John, Oconomowoc.	1
11. Andrews, John, Alma Centre. Wheat.	1	a Wheat.	3
12. Angell, C. E., Oshkosh.		b Oats.	3
a Wheat.	1	32a. Benton, J. D., Gillingham. Corn.	2
b Oats.	3	33. Beoming, Geo., Fond du Lac. Oats.	3
c Barley.	4	34. Berry, Theron, Fond du Lac. Corn.	2
d Timothy seed.	8	35. Biever, M. G., Sun Prairie. Oats.	3
14. Apple, Adam, North Cape.		36. Billings, C. G., Downsville. Clover seed.	9
a Wheat.	1	37. Binning, Geo., Fond du Lac. Barley.	4
b Barley.	4	38. Blaenr, E., Stokes. Millet seed.	8
c Barley.	4	39. Blair, Moses, Centralia. Oats.	3
d Timothy seed.	8	40. Blake, Louis, Appleton. Barley.	4
15. Askewitz, Alex., Merrill. Rye.	5	41. Blanding, Wm. M., St. Croix Falls.	2
16. Baatz, Fred, Plymouth. Corn.	2	Corn.	2
17. Bacon, W. C., Bristol. Wheat.	1	42. Bleser, Adam, Jr., Manitowoc. Wheat.	1
18. Bailey, W. J., Lancaster.		43. Bloch, Ch., Gillet. Wheat.	1
a Wheat.	1	44. Blumer, Adam, Monroe. Barley.	4
b Corn.	2	45. Bohman, O. O., Stockholm. Barley.	4
19. Barholz, Christ., Lake Mills. Corn.	2	46. Boll, Mrs. Anna, Chilton. Clover seed.	9
20. Barkhausen, Aug., Thiersville.		46a. Bolton, D. D., Bristol. Buckwheat.	7
a Wheat.	1	47. Boen, John A., Becker. Popcorn.	2
b Rye.	5	48. Bowle, E. K., Monroe. Popcorn.	2
21. Barney, John E., Soldiers' Grove.	2	50. Brackett, Myron, Cataract. Oats.	3
Corn.	2	51. Britton, H., Sparta. Corn.	2
22. Barnhart, A., Milton. Timothy seed.	8	52. Brown, Geo., Sussex.	1
23. Barton, Sylvester, Waupaca. Rye.	5	a Wheat.	4
24. Batchellor, G. W., Dedham. Wheat.	1	b Barley.	4
25. Batz, G. A., Sun Prairie. Clover seed.	9	53. Brown, Geo. W., Mineral Point. Millet seed.	8
26. Baumeisend, Jacob, Granville Centre. Wheat.	1	54. Brown, Mrs., Mauston. Oats.	3
27. Beach, John, Buena Vista. Rye.	5	55. Brown, Peter, Centralia. Clover seed.	9
		56. Brunner, W. W., Sheridan. Wheat.	1
		57. Bryson, James, Darlington. Popcorn.	2
		58. Buch, Gottlieb, Cedarburg. Wheat.	1

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
59. Bump, Chas., Peshtigo. Buckwheat.	7	88. Dachs, Jacob, Liberty Pole.	
60. Bunker, Nicholas, Luxembourg.		a Corn.	
Wheat.	1	b Oats.	
61. Bunnell, B., Boydtown. Millet seed.	8	88a. Daetz, Fred., Plymouth.	
62. Burge, G. G., Rube. Rye.	5	a Wheat.	
63. Burow, Herman, Schleisingerville.		b Corn.	
Buckwheat.	7	89. Dahl, John, Luxembourg. Barley.	
64. Butt, C. M., Viroqua. Wheat.	1	90. Dahms, Chas., Shawano. Wheat.	
65. Callon, Matt, Wausau. Oats.	3	91. Daily, Ed., Hudson. Corn.	
66. Calvary Station.		92. Daily, Jacob, Hudson. Corn.	
a Wheat.	1	93. Dalton, John, Mauston. Clover seed.	
b Corn.	2	94. Dartz, Fred, Plymouth. Wheat.	
c Oats.	3	95. Daul, John, Luxembourg. Rye.	
67. Campbell, Wm., Gillingham. Corn.	2	96. Davis, Rees D., Randolph. Wheat.	
68. Cane, Geo., Janesville. Clover seed.	9	97. Davis, Thos., Oshkosh.	
69. Cans, J., Lancaster.		a Wheat.	
a Wheat.	1	b Buckwheat.	
b Rye.	5	c Seeds.	
70. Cashman, M., Hudson.		98. Day, Edward, Hudson. Wheat.	
a Wheat.	1	99. Dayton, Andrew, Sparta. Buckwheat.	
b Oats.	3	wheat.	
71. Cate, Henry, Stockton. Oats.	3	100. Deaver, J. N., Viroqua. Buckwheat.	
72. Chadwick, F. G., Mauston. Wheat.	1	101. Deits, C. C., Minnesota Junction.	
73. Cheeney, R., Neenah. Corn.	2	a Corn.	
74. Cheeney, L. S., Prof., State University, Madison.		b Buckwheat.	
a Grasses.	8	102. Demerit, J., Aztalan. Corn.	
b Forage plants.	9	103. Densmore, Joseph, Blair. Corn.	
75. Cheesebro, A. J., Eau Claire. Popcorn.	2	104. Devoe, A. S., Shell Lake. Clover seed.	
75a. Christians, Wm., Johnson's Creek.		105. Dey, Ezra, Westfield. Red-top seed.	
a Wheat.	1	105a. Dobberpuhl, Frank, Cedarburg. Timothy seed.	
b Rye.	5	106. Douglass, M., Melrose. Rye.	
76. Christiansen, S., Scandinavia.		107. Duenow, Carl, Chippewa Falls. Wheat.	
a Oats.	3	108. Dunn, P. E., Darrow. Wheat.	
b Clover seed.	9	109. Dunst, Frank, Seymour. Barley.	
78. Cocking, Mrs. Joseph, Mineral Point. Corn.	2	110. Eberhardt, E., Manitowoc. Wheat.	
79. Cole, H. W., Waterloo.		111. Eckert, John, Thiensville. Wheat.	
a Wheat.	1	112. Edwards, N. J., Hancock. Oats.	
b Corn.	2	113. Eissner, Ferdinand, Schleisingerville.	
80. Collett, James, Maiden Rock. Wheat.	1	a Wheat.	
81. Collins, S. M., Springfield. Millet seed.	8	b Barley.	
82. Collway, John, Cedarburg. Barley.	4	114. Eldowney, Wm. M., West Salem. Corn.	
83. Conger, Eugene, Greenbush. Timothy seed.	8	115. Ellepson, Chris., Viroqua. Oats.	
84. Coon, B. F., Juneau. Corn.	2	116. Emerson, S., Blair. Wheat.	
84a. Cox, Orson, Indian Ford. Corn.	2	117. Emerton, A. J., Portage. Corn.	
85. Crandall, Lorenzo, Hudson. Timothy seed.	8	118. Emmerton, Thos., Cook's Valley. Oats.	
85a. Crane, George, Janesville. Clover seed.	9	119. Essmann, Theodore, Waterford. Oats.	
86. Culbertson, John, Greenville. Wheat.	1	119a. Eul, Jr., Theodore, Shawano.	
87. Cussik, Thomas, Oregon.		a Corn.	
a Corn.	2	b Rye.	
b Timothy seed.	8	120. Ewing, Arthur B., Sylvan.	
		a Wheat.	
		b Corn.	

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
121. Fadness, H. J., Deerfield. Wheat.	1	156. Green, L., Reedstown. Buckwheat.	7
122. Fadness, H. O., Cambridge. Wheat.	1	157. Griffith, D. J., Dodgeville. Wheat.	1
123. Fagan, John M., Prairie du Chien. Corn.	2	158. Groth, Ferdinand, Cedarburg. Rye.	5
123a. Faltionsky, G., Glidden. Oats.	3	159. Grubb, C. H., Baraboo.	
124. Farnham, E., Stephansville. Corn.	2	a Wheat.	1
125. Fear, E. J., Augusta. Oats.	3	b Corn.	2
126. Fehrmann, Aug., Waterloo.		160. Gurnee, B. M., Stephansville. Rye.	5
a Wheat.	1	160a. Haas, Fred., Templeton. Corn.	2
b Barley.	4	161. Haber, Jacob, Neenah. Wheat.	1
c Rye.	5	162. Hackett, Joseph, Baraboo. Clover seed.	9
d Buckwheat.	7	163. Haight, John, Johnstown. Clover seed.	9
127. Fetting, Adolph, Buffalo City. Rye.	5	164. Hake, G. W., Jefferson. Corn.	2
128. Fields, Wm., Prairie du Chien.		165. Hake, John F., Jefferson. Buck- wheat.	7
a Wheat.	1	166. Halbert, S. W., Augusta. Corn.	2
b Corn.	2	167. Hall, S. D., & Son, Johnstown. Oats.	3
129. Fisher, Fred. C., Sheridan. Wheat.	1	168. Hall, J. S., North Freedom.	
130. Fitzsimmons, Samuel, Mineral Point.		a Wheat.	1
a Corn.	2	b Rye.	5
b Clover seed.	9	169. Halpin, Thos., Cedarburg. Timothy seed.	8
131. Flemming, B. H., Shell Lake. Oats.	3	170. Hamm, Henry, Centralia. Rye.	5
132. Flemming Bros., Wilmot. Barley.	4	171. Hangrud, Alsak O., Rio. Corn.	2
133. Fletcher, Frank, Buena Vista. Corn.	2	172. Hankins, I., Blair. Oats.	3
134. Flucks, Joseph, Prairie du Chien.		173. Hans, John, Jefferson.	
a Corn.	2	a Wheat.	1
b Buckwheat.	7	b Barley.	4
c Clover seed.	9	174. Hanson, Martin, Blair. Wheat.	1
135. Fountain, Thomas, Tibbets. Corn and popcorn.	2	175. Hanson, Sievert, Westby. Timothy seed.	8
136. Fralich, Frank, Summer. Corn.	2	176. Hanz, Geo., Fort Atkinson. Clover seed.	9
137. Freihuba, T., Okauches. Barley.	4	177. Hardacker, H., Hortonville. Oats.	3
138. Fritz, C., White Creek.		178. Harden, C., Brodhead. Corn.	2
a Wheat.	1	179. Harder, Jos., Plymouth. Wheat.	1
b Buckwheat.	7	180. Harland, W., Duplainville.	
139. Fuller, Albert, Mauston. Corn.	2	a Wheat.	1
140. Fussenich, Gerhardt, Forestville.		b Oats.	3
a Wheat.	1	c Millet seed.	8
b Rye.	5	181. Harness, Geo., Neenah. Oats.	3
141. Gahn, Mrs. Nora, White Creek. Wheat.	1	182. Harris, J. E., Springville. Corn.	2
142. Ganske, A., Beaver Dam. Oats.	3	183. Hass, Fred, Templeton. Corn.	2
143. Gardner, W. F., Fulton. Pop corn.	2	184. Hass, Gottlieb, Mauston. Wheat.	1
144. Gates, John, Oakland. Timothy seed.	8	185. Hatch, Fred L., Caryville. Corn.	2
145. Gates, W., West Salem. Corn.	2	186. Hauer, Chas., Mauston. Millet seed.	8
146. Gerold, Henry C., Weyauwaga. Wheat.	1	187. Haupt, Susanna, Neosho. Rye.	5
147. Getzen, N., Manitowoc. Millet seed.	8	188. Hawthorne, W., Clarno. Corn.	2
148. Getz, Jos., Maplewood. Wheat.	1	189. Hayward, F. E., Hancock.	
149. Gilbert, Warren, Rio. Clover seed.	9	a Corn.	2
150. Gilbertson, I. W., Irving. Wheat.	1	b Oats.	3
151. Goldammer, Julius, Neillsville. Wheat.	1	190. Heath, Oliver R., Amherst. Oats.	3
152. Gollneck, Ernest, Cedarburg.		190a. Hein, Nic, Chilton. Clover seed.	9
a Wheat.	1	191. Heinke, Christ, Greenbush. Barley.	4
b Barley.	4	192. Hendhorn, Wm., Sylvan. Corn.	2
153. Graf, Peter, St. Lawrence. Clover seed.	9	194. Hendricks, Val., Merrill. Oats.	3
154. Grant, A. R., Stephansville. Corn.	2	195. Henes, W. H., York. Wheat.	1
155. Graser, Adam, Waukesha. Oats.	3		

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
196. Hennig, John, Princeton.	Corn. 2	230. Karnopp, Wm., Ellisville.	Corn. 1
197. Henry, Geo. E., Jefferson.		seed.	
<i>a</i> Wheat.	1	231. Kelling, August, Menominee.	1
<i>b</i> Timothy seed.	8	corn.	
198. Herman, A., Cream.	Oats. 3	232. Kelner, Anton, Irving.	Corn. 1
198a. Herrick, T. J., Horicon.	Rape seed. 8	233. Kemerer, Fred, Little Black.	
198b. Hess, Gottlieb, Mauston.	Wheat. 1	<i>a</i> Wheat.	
199. Higgins, Wm., Jonesdale.	Wheat. 1	<i>b</i> Barley.	
200. Hind, John, Indian Ford.	Clover seed. 9	234. Kennedy, Scott, Rio.	
201. Hinz, Herman, Oconto.	Wheat. 1	<i>a</i> Wheat.	
202. Hoffman, J. G., Helenville.	Wheat. 1	<i>b</i> Popcorn.	
203. Hoffman, M. L., Bassett.	Oats. 3	235. Kettlison, Levi, Stoughton.	Wheat. 1
204. Holden, Milton, Pepin.	Wheat. 1	236. Kiel, John, Plymouth.	Rye. 1
205. Holle, M., Sparta.	Clover seed. 9	236a. King, Mrs. Rozilla W., Neillsville.	Corn. 1
206. Home, Robert, Milton.	Corn. 2	237. Kingman, F. G., Bristol.	Buckwheat. 1
209. Hoover, H. H., Stoughton.	Corn. 2	238. Klein, Geo., Fort Atkinson.	Barley. 1
210. Hooversen, John C., Soldiers' Grove.	Corn. 2	239. Klumb, John, West Bend.	Rye. 1
211. Hopkins, James, Blair.	Rye. 5	239a. Knepel, Franz, Brown Deer.	Clover seed. 1
211a. Horn, Matt, Jericho.	Clover seed. 9	240. Kniep, Henry, Springfield.	Wheat. 1
211b. Hoyt, W. E., Rochester.	Wheat. 1	241. Koffman, M. S., Bassett.	Oats. 1
212. Huebner, W. J., Manitowoc.	Buckwheat. 7	241a. Kohlway, F., Cedarburg.	Clover seed. 1
212a. Huend, John, Indian Ford.	Clover seed. 9	242. Kohlweg, F., Grafton.	
213. Hulbert, C., Burns.	Rye. 5	<i>a</i> Wheat.	
214. Hurd, John, Indian Ford.	Timothy seed. 8	<i>b</i> Barley.	
214a. Jackson, Robert, Oconto.	Wheat. 1	243. Kromer, Wm., Johnsonville.	Clover seed. 1
215. Jacobson, Theodore, Burlington.	Corn. 2	244. Krueger, F. J., Juneau.	Timothy seed. 1
216. Jeffrey, H. T., Colgate.	Barley. 4	245. Krueger, Robert, Juneau.	
217. Jeffrey, Wm., Colgate.	Wheat. 1	<i>a</i> Wheat.	
218. Joch, Chas., Plymouth.	Wheat. 1	<i>b</i> Barley.	
219. John, F. W., Gillett.	Oats. 3	246. Kuehn, Jacob, Alma.	Wheat. 1
220. Johnson, James, Menominee.	Millet seed. 8	248. Kuhefuss, J. C., Cedarburg.	Barley. 1
221. Johnson, Henry, Oshkosh.	Corn. 2	249. Kull, Andrew, Geneva Lake.	
222. Johnson, Henry S., Eau Claire.		<i>a</i> Corn.	
<i>a</i> Rye.	5	<i>b</i> Rye.	
<i>b</i> Buckwheat.	7	250. Kurtz, Jacob, Fort Atkinson.	Buckwheat. 1
223. Johnson, Lars, Edsitt.	Wheat. 1	251. Lamb Bros., Johnson.	Barley. 1
224. Johnson, W. N., Oxford.		252. Lamke, Ernest, Merrill.	Wheat. 1
<i>a</i> Popcorn.	2	253. Langemak, P. J., New Holstein.	Wheat. 1
<i>b</i> Oats.	3	254. Lanicca, Paul, Alma.	Corn. 2
<i>c</i> Buckwheat.	7	255. Larson, M., Stockholm.	Wheat. 1
225. Jones, F. R., Hancock.		256. Lauer, Peter, Woodville.	Grass seed. 8
<i>a</i> Corn.	2	258. Law, John, Schleisingerville.	Clover seed. 9
<i>b</i> Oats.	3	258a. Lawber, Adam, Fond du Lac.	Barley. 4
226. Jones, S. B., Hustisford.	Oats. 3	259. Lee, T. F., Granton.	Corn. 1
227. Jordalen, L. C., Clarkson.	Barley. 4	260. Leen, Knut C., Blair.	Clover seed. 9
228. Jost, David, Alma.		261. Lemke, August, Freistadt.	Wheat. 1
<i>a</i> Wheat.	1	261a. Lenike, August, Freistadt.	Rye. 5
<i>b</i> Oats.	3	262. Leonard, P., & Son, Mineral Point.	Popcorn. 2
229. Kahler, Chas., Prairie du Chien.	Wheat. 1	264. Leslie, John, Juneau.	Wheat. 1

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
205. Lever, Wm., Mauston.		294. McCredie, Robert, Portage.	
a Wheat.	1	a Wheat.	1
b Clover seed.	9	b Corn.	2
206. Lewis, Bert, Greenville. Corn.	2	295. McCumber, Chas., Burlington. Pop-corn.	2
207. Lienas, John, Cooksville. Corn.	2	295a. McEldowney, Wm., West Salem. Corn.	2
208. Ligh Bros., Kansasville. Barley.	4	296. McEvoy, Will, Mauston. Wheat.	1
209. Link, F. A., Alma Centre. Barley.	4	297. McGill, D. D., Chippewa City. Rye.	5
210. Lipke, Aug., Jefferson. Wheat.	1	298. McIntyre, John, Mauston. Oats.	3
211. Little, James, Janesville. Corn.	2	300. McLean, John, St. Croix. Corn.	2
212. Lockhart, J. H., Maplewood. Clover seed.	9	301. McLees, Joseph, Springville. Corn.	2
212a. Long, C., West Bend.		302. McLees, U. O., Viroqua. Corn.	2
a Wheat.	1	303. McMillen, Ray, Douglas Centre. Corn.	2
b Barley.	4	304. McNeil, Hector, Schleisingerville. Timothy seed.	8
c Clover seed.	9	305. McNutt, E. W., Oxford. Corn.	2
213. Look, Fred, Watertown.		306. McNutt, F. H., Oxford. Wheat.	1
a Wheat.	1	307. McWeathy, A. P., Cook's Valley. Corn.	2
b Barley.	4	308. Meier, Matt, St. John. Clover seed.	9
c Rye.	5	309. Merran, Geo. B., Darlington. Wheat.	1
d Buckwheat.	7	310. Merrill, A. W., Alma Centre.	
e Timothy seed.	8	a Wheat.	1
f Clover seed.	9	b Corn.	2
216. Lutz, Andrew, Melrose. Corn.	2	311. Merrill, Frank S., Princeton. Corn.	2
217. Machin, Joseph, Forestville.		312. Merriman, R. D., Fort Atkinson. Corn.	2
a Corn.	2	313. Messinger, F. O., New London. Wheat.	1
b Barley.	4	314. Meyer, George, Plymouth. Barley.	4
218. Madden, John, Mauston.		315. Millard, Lewis, Sparta. Corn.	2
a Wheat.	1	316. Miller, Henry, Dotyville. Corn.	2
b Timothy seed.	8	317. Miller, Henry, West Salem. Oats.	3
219. Maine, Gil, Stephenville. Corn.	2	318. Miller, J., Melrose. Corn.	2
220. Mallinson, David, Randolph. Wheat.	1	319. Miller, Mike, Jefferson. Wheat.	1
221. Maltby, E. B., Portage. Corn.	2	320. Mills, Gabe, Linden. Corn.	2
222. Maltby, W. Ray, Portage. Corn.	2	321. Minahan, John, Clinton. Wheat.	1
223. Mangold, Louis, Sherwood. Buckwheat.	7	322. Moldenbauer, H., Lebanon. Wheat.	1
224. Markham, Arthur A., Independence.		323. Morrison, William, Leeds Centre. Barley.	4
a Corn.	2	324. Morse, F. O., Sparta. Corn.	2
b Oats.	3	325. Muehl, Fred, Seymour.	
225. Marsh, Frank, Jefferson. 1/2 Wheat.	1	a Wheat.	1
226. Martin, John G., Mineral Point.		b Rye.	5
a Corn.	2	326. Mullawaney, D., Mauston. Clover seed.	9
b Oats.	3	326a. Murray, James, Cataract. Millet seed.	8
c Buckwheat.	7	327. Nashold Bros., Rio. Corn.	2
227. Martin, Wm., Gillingham. Corn.	2	328. Nattke, Fred, Portage. Corn.	2
228. Mather, H. M., Prairie du Sac. Timothy seed.	8	329. Nelson, Paul, Peterson. Wheat.	1
229. Mattes, Chas., Jefferson. Oats.	3	330. Nelson, Peter, Waupaca. Wheat.	1
230. Mattka, Fred., Portage. Corn.	2	331. Newton, S. D. D., Peshtigo. a Oats.	3
231. Masd, John, Arcadia. Timothy seed.	8	b Barley.	4
232. May, Reuben, Viroqua. Clover seed.	9	332. Nichols, George, Stoughton. Rye.	5
233. McAdams, S., Barron. Oats.	3	333. Nickel, Daniel, Waupaca. Corn.	2
234. McCann, B., Fort Atkinson. Corn.	2		
235. McClintock, Wm. M., West Salem. Corn.	2		
236. McConnell, Wm. M., Ripon. Timothy seed.	8		

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
334. Noble, B., Monroe. Wheat.	1	367. Peul, Chas., Cedarburg.	
335. Noble, C., Sparta. Wheat.	1	<i>a</i> Oats.	
336. Nordley, J. H., Prairie Farm. Wheat.	1	<i>b</i> Barley.	
337. Northy, Richard, Fort Atkinson.		368. Peul, John, Schleisingerville. Whea	
Corn.	2	369. Pfeil, Christopher, Granville. Whea	
338. Ode, Wm., Portage. Wheat.	1	370. Pike, H., Packwaukee. Clo	
339. Oestreich, F., Juneau. Barley.	4	seed.	
340. Ogden, Marion E., Sylvan. Wheat.	1	371. Pinkerton, R. R., Waupaca. Whea	
341. Olds, O. P. H., Hudson. Wheat.	1	372. Place, Henry, Phestigo. Buckwhea	
342. Olp, John, Springfield. Buckwheat.	7	373. Plinske, Chas., Forestville.	
343. Olsen, Martin J., Viroqua. Wheat.	1	<i>a</i> Oats.	
344. Orton, T. F., Lancaster.		<i>b</i> Rye.	
<i>a</i> Timothy seed.	8	374. Pomeron, Orrin, Edgerton. Whea	
<i>b</i> Clover seed.	9	374a. Porch, Sidney, River Falls. Oats.	
345. Osceola Mill Company, Osceola Mills.		375. Porter, J. W., Oakland.	
Wheat.	1	<i>a</i> Wheat.	
346. Osmond, A. G., Milton. Clover seed.	9	<i>b</i> Buckwheat.	
347. Ottery, E. J., Fond du Lac.		376. Preston, Geo., Ft. Atkinson. Whea	
<i>a</i> Corn.	2	377. Price, Mrs. Julia, Black River Fal	
<i>b</i> Oats.	3	<i>a</i> Corn.	
348. Otto, Wm., Montello. Rye.	5	<i>b</i> Oats.	
349. Overson, Swain, Westby. Barley.	4	377a. Probst, M., Jefferson. Corn.	
350. Owen, S. B., Dartford.		378. Prosser, J. K., Antigo. Oats.	
<i>a</i> Wheat.	1	379. Puerner, O. E., Jefferson.	
<i>b</i> Corn.	2	<i>a</i> Wheat.	
351. Pagle, Henry, Horicon.		<i>b</i> Barley.	
<i>a</i> Wheat.	1	380. Puhl, Frank Dobber, Cedarburg.	
<i>b</i> Barley.	4	Timothy seed.	
352. Palmer, J. C., Baraboo. Corn.	2	381. Quandt, Wm. C., Woodland.	
353. Pansie, H., Princeton.		<i>a</i> Wheat.	
<i>a</i> Wheat.	1	<i>b</i> Barley.	
<i>b</i> Corn.	2	381a. Rabold, George, Roberts. Corn.	
<i>c</i> Buckwheat.	7	382. Randall, C. F., Janesville. Blue	
354. Parcher, R. E., Wausau.		grass seed.	
<i>a</i> Wheat.	1	383. Rank, Geo., Schleisingerville. Oats.	
<i>b</i> Rye.	5	384. Rasch, J. & C., Wilmot. Corn.	
<i>c</i> Buckwheat.	7	386. Rauh, Geo., Schleisingerville.	
<i>d</i> Timothy seed.	8	<i>a</i> Wheat.	
355. Patrick, C. H., Fond du Lac. Corn.	2	<i>b</i> Barley.	
356. Paulsen, Ernest, New Holstein.		386a. Ravold, George, Roberts. Corn.	
Wheat.	1	387. Ray, W. C., Richland Centre.	
357. Paulsen, Herman, Graville.		<i>a</i> Wheat.	
<i>a</i> Wheat.	1	<i>b</i> Oats.	
<i>b</i> Corn.	2	388. Reeve, Howard, Ironton. Wheat.	
358. Pease, Frank, Shell Lake. Grass.	8	388a. Reul, Andrew, Helenville. Corn.	
360. Pells, J., Coloma Station. Rye.	5	389. Reynolds, Frank, Cedarburg. Whea	
361. Pelton, Geo., & Sons, Reedsburg.		390. Rezin, Daniel, Centralia. Millet	
Corn.	2	seed.	
362. Penny, J. R., Arcadia. Corn.	2	391. Rhead, Turman R., Hixton. Wheat.	
363. Peot, Nicholas, Luxembourg. Rye.	5	392. Rheingans, Philip, Tilden.	
364. Perrot, Louis, Greenville. Corn.	2	<i>a</i> Wheat.	
365. Peschau, Henry, Sturgeon Bay. Tim-		<i>b</i> Corn.	
othy seed.	8	393. Richards, Frances, Sun Prairie. Corn.	
366. Peterson, Mads., Green Bay. Oats.	3	394. Risk, Wm., Easton.	
366a. Petry, Bearded, Calvary Station.		<i>a</i> Rye.	
<i>a</i> Wheat.	1	<i>b</i> Timothy seed.	
<i>b</i> Oats.	3	395. Roberts, F. W., Woodworth. Corn.	
<i>c</i> Barley.	4	395a. Roberts, W. H., Lafayette County.	
		Corn.	

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
35b. Robertson, Geo. S., Weyauwega. Corn.	2	428. Seeley, H. G., Maiden Rock. Wheat.	1
36. Robinson, James, Portage. a Barley.	4	429. Segerson, Hans, Rio. Corn.	2
b Buckwheat.	7	430. Seiderman, Stokes. Clover seed.	9
37. Rodger, Alex., Endeavor. Corn.	2	431. Selle, A., Mequon. a Wheat.	1
38. Rodka, Chas., Good Hope. Barley.	4	b Rye.	5
39. Roe, Andrew S., Waupaca. Rye.	5	c Clover seed.	9
40. Roecker, Wm., Portage. Buck- wheat.	7	431a. Severson, S. Oren, Stoughton. Mil- let seed.	8
41. Rondorf, W., Summit. a Wheat.	1	432. Seward, M. B., Soldiers' Grove. Corn.	2
b Barley.	4	433. Seymour, Merton, Reedsburg. Corn.	2
42. Rozilla, Mrs. King W., Neillsville. Corn.	2	434. Shadel, Jacob, Sun Prairie. Wheat.	1
43. Rumpf, Daniel, Ableman. Wheat.	1	435. Shall, W., North Freedom. Wheat.	1
44. Rumpf, Peter, Ableman. Wheat.	1	436. Shane, Daniel, Burns. Wheat.	1
45. Rusch, Wm., Merrill. Wheat.	1	437. Shattuck Bros., Sparta. Oats.	3
46. Ryder, H. C., Hustisford. Barley.	4	438. Shaver, James, Peshtigo. a Corn.	2
47. Sadtmitter, Joseph, Oshkosh. Wheat.	1	b Oats.	3
48. Sayre, David F., Fulton. Timothy seed.	8	439. Sherburne, W. R., Rusk. Clover seed.	9
49. Scanlan, Luke, Lamberton. Barley.	4	440. Shoff, J. M., Easton. Wheat.	1
50. Schadel, Fred, Sun Prairie. Barley.	4	441. Shulfelt, John, Oconto. Buckwheat.	7
51. Scheen, Ferdinand, Cedarburg. Clo- ver seed.	9	442. Sidney, Porch, River Falls. Oats.	3
52. Scherer, Matthias, Thiensville. Bar- ley.	4	443. Simen, Jacob, Calvary Station. Wheat.	1
52a. Schiller, Mrs. C., Glidden. Rye.	5	444. Sisson, Frank, Mindoro. Corn.	2
53. Schleiter, F., Cedarburg. Barley.	4	445. Skinner Bros., Merritt's Landing. Corn.	2
54. Schley, Geo., Waukesha. a Wheat.	1	445a. Slernitzky, Chas., Lynn. Timothy seed.	8
b Oats.	3	446. Slis, Anton, Forestville. Oats.	3
Barley.	4	447. Smith, Adam, Melrose. Oats.	3
55. Schmidt, Albert, Portage. a Corn.	2	447a. Smith, David, Milton. Corn.	2
b Barley.	4	448. Smith, J. F., Mauston. a Wheat.	1
56. Schmidt, Peter, Schleisingerville. Red-top seed.	8	b Buckwheat.	7
57. Schmitz, John, Calvary Station. a Wheat.	1	449. Snyder, Geo., Oconomowoc. a Wheat.	1
b Barley.	4	b Barley.	4
58. Schmitz, Nicholas, Eden. Corn.	2	450. Spaulding, Ferris A., Oconomowoc. Buckwheat.	7
59. Schneider, W., Waumandee. Wheat.	1	451. Spaulding, Luther, River Falls. Rye.	5
60. Schroeter, Gustav, Grafton. Barley.	4	452. Speiker, John, Burlington. Corn.	2
61. Schubert, Anton, Cedarburg. Clover seed.	9	453. Spenseley, D. H., Clinton. Corn.	2
62. Schuffelt, John, Oconto. Buckwheat.	7	454. Spenseley, James, Mineral Point. Corn.	2
63. Schwalen, Hale, Hudson. Oats.	3	455. Spoon, John, Janesville. Red-top seed.	8
63a. Schwascheno, Wm., Neenah. Oats.	3	456. Spring, M. E., Baraboo. Corn.	2
64. Schweinler, Chs., Jefferson. Corn.	2	457. Stackman, P. O., North Freedom. Corn.	2
65. Schweika, Fred, Grafton. Barley.	4	458. Starandt, W. F., Burr Oak. Wheat.	1
66. Schwolon, R., Weyauwega. a Wheat.	1	459. Stebbins, Fred, Melrose. Corn.	2
b Buckwheat.	7	460. Steonitzky, Chas., Lynn. Timothy seed.	8
66a. Scott, Kennedy, Rio. a Wheat.	1	460a. Stephens, Wm., Bristol. Corn.	2
b Corn.	2	461. Stephenson, Moses, Mineral Point. Clover seed.	9
67. Seamonson, Wm., Stoughton. Rye.	5	463. Stevens, Geo., Jefferson. Wheat.	1

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
464. Stevens, Hiram, Oshkosh. Corn.	2	497. Udell, John, North Freedom. Corn.	2
464a. Stier, Carl, New Holstein. Rape seed.	8	498. Uphome, Peter H., Soldiers' Grove. a Wheat.	5
465. Stiles, C. D., Lake Mills. Rye.	5	b Corn.	
466. Stoll, W. W., Burlington. Corn.	2	499. Upson, S. E., Pleasant Prairie. Clover seed.	
467. Stowe, Geo., Ironton. Timothy seed.	8	500. Veltus, J. B., De Pere. Wheat.	
468. Stonwell, A. F., Easton. Millet seed.	8	501. Verhalen, Peter J., Burlington. Corn.	
469. Stowell, A. F., White Creek. Buckwheat.	7	502. Vickerman, Jackson, Milton. a Wheat.	
470. Straitman, A., West Salem. Wheat.	1	b Barley.	
471. Stratton, E. E., Burlington. Red-top seed.	8	c Timothy seed.	
472. Strause, J. M., Sun Prairie. Grass seed.	8	503. Vogel, August, North Greenfield. a Wheat.	
473. Strauss, Henry, Thiensville. Corn.	2	b Barley.	
474. Stumckenhorst, Anton, Gravesville. Wheat.	1	504. Wagner, Jacob, Oakland. Rye.	
475. Suhr, Wm., Alma. Timothy seed.	8	505. Wagner, Ludwit, Lebanon. Wheat.	
476. Summers, J. W., Rochester. Wheat.	1	506. Wagner, Philip, West Bend. Oats.	
477. Swallen, B., Hudson. Barley.	4	507. Waise, Joe, Oconto. Rye.	
478. Swartz, Peter M., Waukesha. Wheat.	1	507a. Waken, D., Lancaster. Millet seed.	
479. Swatscheno, Wm., Neenah. a Wheat.	1	508. Waken, T., Lancaster. Millet seed.	
b Corn.	2	509. Walke, W. V., Lancaster. Corn.	
480. Taylor, J. W., Barrow. Wheat.	1	510. Walker, Moses, Berlin. Wheat.	
481. Taylor, Wm., River Falls. Blue grass seed.	8	511. Wallace, Geo., Fox Lake. Barley.	
482. Taylor, W. R., Cottage Grove. Corn.	2	512. Walrath, H., White Creek. a Buckwheat.	
483. Teele, Aron, Baraboo. Buckwheat.	7	b Timothy seed.	
484. Tepler, Robert, Neenah. Oats.	3	513. Walter, Ely, Neenah. Wheat.	
485. Thayer, M. A., Sparta. a Corn.	2	514. Walter, Michael, Amherst. Mill seed.	
b Rye.	5	514a. Walters, George, Mauston. Corn.	
486. Thern, Frank, Antigo. Wheat.	1	515. Walther, John N., Helenville. Wheat.	
487. Thibendeau, Simon, Luxembourg. a Wheat.	1	516. Warren, Gilbert, Rio. Timothy seed.	
b Rye.	5	516a. Wasic, Joe., Oconto. Rye.	
c Millet seed.	8	517. Wason, Robert, Waterville. Corn.	
488. Thomas, Frank, Sun Prairie. Oats.	3	518. Ward, C. E., Fort Atkinson. Corn.	
489. Thomas, J. W., Chippewa Falls. a Wheat.	1	519. Ward, George, Bridgeport. Wheat.	
b Corn.	2	520. Weaver, Frank, Dartford. Buckwheat.	
c Timothy seed.	8	521. Weber, Jacob, Merrill. Barley.	
489a. Thompson, Albert, Taylor. Millet seed.	8	522. Wedgewood, R. E., Shawno. Barley.	
489b. Tigh Bros., Kansasville. Barley.	4	523. Wegner, Wm., Plymouth. a Wheat.	
490. Timm, Jos., Grand Rapids. Rye.	5	b Corn.	
491. Timm, Wm., Grand Rapids. Red-top seed.	8	524. Weisensel, Caspar, Sun Prairie. Corn.	
492. Tipler, I., Allenville. Wheat.	1	525. Weisler, Geo., Ortonville. Corn.	
493. Tipler, Robert, Neenah. Wheat.	1	526. Welch, P. J., Mauston. Clover seed.	
493a. Toll, Carl, Deerfield. Wheat.	1	527. Welcome, W. H., Hancock. Corn.	
494. Trumpy, Fred, Clarno. a Oats.	3	528. Wellener, John, Centralia. Buckwheat.	
b Buckwheat.	7	529. Wells, Caleb, Milton. Wheat.	
495. Trutel, John, Aurora. Wheat.	1	530. Wells, Frank, Milton. Popcorn.	
496. Tunnel, Louis, Oconomowoc. Barley.	4	530a. Wells, Joseph, Monroe. Corn.	
		530b. Wesenderg, Fred W., Neillsville. Wheat.	

## Cereals, Grasses, Honey, Farm Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
531. West, H. P., Fayetteville.		558. Gross, Gustav, Milford. Honey.	26
a Wheat.	1	559. Hatch, C. A., Ithaca. Honey.	26
b Oats.	2	560. Keyes, J. W., Chippewa Falls.	
c Barley.	4	Honey.	26
d Millet and red-top seed.	8	561. Lotz, August, Cadott. Honey.	26
531a. West, Mark, Fayetteville.		562. McNay, Frank, Mauston. Honey and	
a Wheat.	1	beeswax.	26
b Oats.	3	563. McNay, Mr., Durand. Honey.	26
c Barley.	4	564. McNow, J. W., Sinsinawa. Honey.	26
532. Westing, J. B., Lancaster.		565. Morgan, E. A., Chippewa Falls.	
a Corn.	2	Honey.	26
b Buckwheat.	7	566. Ochsner, J. J., Prairie du Sac. Honey	
533. Weston, Chas. S., Edmund. Wheat.	1	and beeswax.	26
534. White, S. T., Beaver Dam. Wheat.	1	567. Priest, E. C., Henrietta. Honey.	26
535. Whitehead, David, Whitewater.		568. Putnam, W. H., River Falls. Honey.	26
Grass seed.	8	568a. Vandereicke, Adolph, Lake Mills.	
536. Whitehead, Frank, Whitewater.		Honey.	26
Oats.	3	569. Wilcox, Arthur, Chippewa Falls.	
538. Whitmond, W. H., Centralia. Corn.	2	Honey and beeswax.	26
539. Whittaker, Thos. F., Oconomowoc.		570. Wilcox, F., Mauston. Honey and	
a Wheat.	1	beeswax.	26
b Oats.	3		
540. Widman Bros., Fort Atkinson. Bar-			
ley.	4		
541. Wiepking, Henry D., Cedarburg.			
a Wheat.	1		
b Corn.	2		
c Barley.	4		
d Rye.	5		
542. Wiesen, Matthew, Scandinavia.			
Barley.	4		
543. Willis, Z. C., Cook's Valley. Buck-			
wheat.	7		
544. Wilson, Eliza T., Amy. Wheat.	1		
545. Wilson, W. E., Burlington. Clover			
seed.	9		
546. Wilson, William C., Burlington.			
a Popcorn.	2		
b Timothy seed.	8		
548. Wing, B. F., Whitehall. Corn.	2		
549. Winters, John J. F., Sparta. Corn.	2		
550. Winters, John, Sparta. Wheat.	1		
551. Wishart, Thos., De Pere.			
a Wheat.	1		
b Oats.	3		
551a. Wittkopp, Carl, Plymouth.			
a Wheat.	1		
b Barley.	4		
552. Woodruff, H. S., Janesville. Orchard			
grass.	8		
553. Woolenberg, Anna, Chilton. Clover			
seed.	9		
554. Works, O., Augusta. Barley.	4		
555. Young, A. W., Chippewa Falls.			
Corn.	2		

## GROUP 3.

556. Cousins, L. P., New London. Honey.	26
557. Green, C. H., Waukesha. Honey.	26

## GROUP 5.

572. Adams, John, Kewanee. Lentils.	32
573. Allen, Ethan, North Freedom. Beans.	32
574. Aloes, F., Chilton. Peas.	32
575. Anacker, Bernard, Portage. Beans.	32
576. Anderson, A. E., Stockholm. Beans.	32
577. Anderson, Gunder, Taylor. Beans.	32
578. Arnold, Freeman, Hanover. Peas.	32
579. Bailey, Aaron, Princeton. Beans.	32
580. Bailey, W. J., Lancaster. Peas.	32
581. Barkhausen, Aug., Thiensville. Peas.	32
582. Beals, O., Omro. Beans.	32
583. Beilke, F. W., Wausau. Peas.	32
584. Belky, Ed., Sparta. Beans.	32
585. Benedict, A. J., Woodworth. Beans.	32
586. Berz, Peter, Kewaunee. Lentils.	32
586a. Bingham, Dan., Arcadia. Peas.	32
587. Black, John, Kewanee. Lentils.	32
588. Boyden, E., Mills Centre. Peas.	32
590. Buswell, S. M., Amherst. Peas.	32
590a. Cate, Henry, Stockton. Beans.	32
591. Chittenden & Morse, Princeton.	
Beans and peas.	32
592. Cleland, Samuel, Footville. Beans.	32
593. Currier, A. W., River Falls. Beans.	32
594. Darrow, Nathaniel, Reedsburg.	
Beans.	32
595. Davis, P. M., Waupaca. Beans.	32
596. Davis, Thos., Oshkosh. Beans.	32
597. Day, Mr., Portage. Beans.	32
598. Demerest, E. L., Waupaca. Beans.	32
599. Dixon, Joshua, Kansasville. Peas.	32
600. Dodds, W. J., Brookside. Peas.	32
601. Dollyjack, J., Portage. Peas.	32
602. Duenon, Cark, Chippewa Falls.	
Peas.	32

## Cereals, Grasses and Forage P

Exhibit No.	Class'n No.	Exhibit No.
464. Stevens, Hiram, Oshkosh. Corn.	2	497. U
464a. Stier, Carl, New Holstein. Rape seed.	8	498. I
465. Stiles, C. D., Lake Mills. Rye.	5	
466. Stoll, W. W. Burlington. Corn.	2	499.
467. Stowe, Geo., Ironton. Timothy seed.	8	
468. Stonwell, A. F., Easton. Millet seed.	8	50
469. Stowell, A. F., White Creek. Buckwheat.	7	5
470. Straitman, A., West Salem. Wheat.	1	
471. Stratton, E. E., Burlington. Red-top seed.		
472. Strause, J. M., Sun Prairie. Grass seed.		
473. Strauss, Henry, Thiensville. Corn.		
474. Stumcenhorst, Anton, Gravesv. Wheat.		
475. Suhr, Wm., Alma. Timothy seed.		
476. Summers, J. W., Rochester. W.		
477. Swallen, B., Hudson. Barley		
478. Swartz, Peter M., Waukesha.		
479. Swatscheno, Wm., Neenah		
a Wheat.		
b Corn.		
480. Taylor, J. W., Barrow.		
481. Taylor, Wm., River		
Grass seed.		
482. Taylor, W. R., Cottage		
483. Teele, Aron, Baraboo.		
484. Tepler, Robert, Ne		
485. Thayer, M. A., Sp.		
a Corn.		
b Rye.		
486. Thern, Frank,		
487. Thibendeau, Si		
a Wheat.		
b Rye.		
c Millet seed.		
488. Thomas, I		
489. Thomas		
a Whee.		
b Corn.		
c Tim		
489a. Thom		
seed.		
489b. Tig		
490. Ti		
491. Ti		
top		
492. I		
493. I		
493a.		
494.		
49.		
4.		

Beans.

Beans.  
estville. L

North Greenfi

E.G., Stockholm. Beans.  
Henry, Ableman. Peas.

estine, Aug., Peshtigo. Peas.

Prill, A., Waupaca. Peas.

Ransom, Everett, Janesville. Beans.

Raumann, George, Portage. Beans.

Reamer, Wm., Mineral Point. Beans.

Reed, H. R., Plymouth. Beans.

Reed, L. H., Janesville. Peas.

665a. Reimer, John, Burke. Beans.

666. Reynolds, E. G., Mineral Poi

Peas and beans.

667. Rhoda, F., Mauston. Peas.

668. Rhodes, Louis, Kansasville. Beans.

669. Robertson, Robert, Oakland. Beans.

670. Rottstadt, E., Plymouth. Peas.

670a. Schaffer, B., Sparta. Pease.

671. Schemming, F. H., Silver Lak

Beans.

672. Schible, Peter, Sturgeon. Beans.

673. Schnellling, W. F., Cataract. Peas.

674. Schofield, Wm., Hancock. Beans.

675. Selle, A., Mequon. Vetches.

676. Skinner, John, Merritt's Landin

Beans.

677. Smith, Albert, Eau Claire. Beans.

678. Smith, Frank, Soloma. Beans.

679. Sonnenburg, Charles, North Ben

Beans.

680. Stone, Moses, Marcellon. Beans.

681. Stratton, E. E., Burlington. Beans.

682. Straubel &amp; Ebeling, Green Ba

Beans.

683. Tall, Sam, Janesville. Beans.

683a. Taylor, W. R., Cottage Grov

Beans.

684. Tenwke, Mr., Brodhead. Beans.

## Farm Products, Dairy and Dairy Products.

Class'n No.	Exhibit No.	Class'n No.
t. Peas.	16. Behringer, James, Newton.	
32	Cheese.	43
ourg.	17. Bender, John, Oconomowoc.	Butter.
32		42
3.	18. Blackman, H., Kenosha.	Butter.
		42
	19. Breakay, O. A., Blair.	Butter.
		42
	20. Breed, Geo. D., Chilton.	Cheese.
		43
	21. Brehun, F., Sheboygan.	Cheese.
		43
	Breittruck, Chas. J., Sagola.	Cheese.
		43
	Brickbauer, Geo., Elkhart Lake.	
		43
	Brinkman, Wm., Afton.	Butter.
		42
	25. Brockchen, Timothy.	Cheese.
		43
	26. Buchen, G., Cascade.	Cheese.
		43
	27. Carron, S. D., Dale.	Cheese.
		43
	28. Carswell Bros., Lone Rock.	Cheese.
		43
	28a. Cate, C. W. & A. G., Amherst Junction.	Butter.
		42
	29. Cate, C. W. & A. G., Plymouth.	Cheese.
		43
	30. Centre Creamery Co., Janesville.	Butter.
		42
	31. Chandlish, Mr., Rosendale.	Butter.
		42
	32. Chaplin, H. A., Plymouth.	Cheese.
		43
	33. Chapman, W. H., Oakfield.	Cheese.
		43
	34. Christians, H. C., Johnson's Creek.	Butter from Ayrshire, Stoneville and Az-
		talan creameries.
		42
	35. Christians, H. C., Ripon.	Butter.
		42
	36. Churchyard, H., Ripon.	Butter.
		42
	37. Clark, J. J., Berlin.	Cheese.
		43
	38. Clark, A. J., Osman.	Cheese.
		43
	39. Cook, Frank, Mazomanie.	Butter.
		42
	40. Crosby, D. L., Fond du Lac.	Butter.
		42
	41. Cross, J. W., Mauston.	Cheese.
		43
	43. Danenth, D. S., Fort Atkinson.	Butter.
		42
	44. Danforth, Z. A., Meeme.	Cheese.
		43
	45. Darrow, A. H., Brandon.	Butter.
		42
	46. Dassler, H. F., Timothy.	Cheese.
		43
	47. Dason & Blanke, Sheboygan Falls.	Cheese.
		43
	48. Dason & Frattschel, Sheboygan Falls.	Cheese.
		43
	49. Dason & John, Sheboygan Falls.	Cheese.
		43
	50. Dason & Klemme, Sheboygan Falls.	Cheese.
		43
	51. Dason & Wedder, Sheboygan Falls.	Cheese.
		43
	52. Denison, Jackson & Co., Hartford.	
	a Butter.	42
	b Cheese.	42

## GROUP 7.

## Dairy Building.

- Ackerman, Henry, Manitowoc. Cheese. 43
- Anthes, J., & Son, Ft. Atkinson. Butter. 42
- Arcadia Creamery Co., Arcadia. Butter. 42
- Alger, J. J., Greenbush. Cheese. 43
- Auger, Jr., H. M., Black Hawk. Cheese. 43
- Antonie, A., Belgium. Cheese. 43
- Averbeck, Lewis, Fond du Lac. Cheese. 43
- Bacon, F. L., Waupun. Cheese. 43
- Bachman, G. H., West Bloomfield. Cheese. 43
- Bahr, A., Timothy. Cheese. 43
- Bailhorn, Fred., Cascade. Cheese. 43
- Balthazor, John, Fond du Lac. Cheese. 43
- Barlass, D. M., Emerald Grove. Butter. 42
- Batchelder, J. O., Fond du Lac. Butter. 42
- Bauer, Fred., St. Johns. Cheese. 43

## Dairy and Dairy Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
53.	43	93.	43
54.	43	94.	43
55.	43	95.	43
56.	43	96.	43
57.	42	97.	43
Butter.	42	98.	43
58.	43	99.	43
Eastman, S. L., Saukville. Cheese.	43	100.	43
59.	43	101.	43
Eberle, John, Alma. Cheese.	43	Butter.	43
60.	42	102.	43
Edgerton Creamery Co., Edgerton.	42	Hertle, John, Meeme. Cheese.	43
Butter from Pleasant Grove, Stoughton,	42	103.	43
McFarland, Edgerton, Albion, Milton,	42	Hinn, Geo., Banner. Cheese.	43
junction, and Utica creameries.	42	104.	43
61.	43	Hingis, Henry, St. Wendell. Cheese.	43
Edler, Will, Plymouth. Cheese.	43	105.	43
62.	43	Hoard's Creameries, Fort Atkinson.	43
Egbert, Henver, Cedar Grove. Cheese.	43	Butter from North Branch, Fort Atkinson,	43
63.	43	Koshkonong, Whitney, Cambridge,	43
Eiring, Jno. St. Cloud, Cheese.	43	Oakland, Lima and Star Creameries.	43
64.	43	106.	43
Elston, A. C. V. Muscoda. Cheese.	43	Hobbs Bros., Brandon.	43
65.	42	a Butter.	43
Ely, O. C., Spring Creek. Butter.	42	b Cheese.	43
66.	43	107.	43
Emigh, Geo. Terrell. Cheese.	43	Hogdin Mrs. R. E., Hudson. Butter.	43
67.	43	108.	43
Engelland, H., Mishicott. Cheese.	43	Holzschub Casper, Sagola. Cheese.	43
68.	43	109.	43
Erbstoezer, Henry, Sheboygan Falls.	43	Hooper, Hoke, Sheboygan Falls.	43
Cheese.	43	Cheese.	43
69.	43	110.	43
Erdman, C. J., Plymouth. Cheese.	43	John Bros., Sheboygan Falls.	43
70.	43	Cheese.	43
Estabrook, Fond du Lac. Cheese.	43	111.	43
71.	43	Johnson C. A., New London.	43
Farmers' Dairy Association, Oslo.	43	Cheese.	43
72.	43	112.	43
Fasse Adolph, Johnsonville. Cheese.	43	Jones, D. D., Fond du Lac. Cheese.	43
73.	43	113.	43
Fessbender, P., Bungert. Cheese.	43	Jones, H. H., Dartford. Butter.	43
74.	43	114.	43
Flentze, Chas., Two Rivers. Cheese.	43	Jones, W. F., Burnett Junction.	43
75.	43	Butter.	43
Frick, John, Plymouth. Cheese.	43	115.	43
76.	42	Jones, W. F., Rolling Prairie. Butter.	43
Gardner Bros., Darien. Butter.	42	ter.	43
78.	43	116.	43
Gartman, F. W., Sheboygan Falls.	43	Kamman, Henry, Edwards. Cheese.	43
Cheese.	43	117.	43
79.	43	Karlen & Son J., Monroe. Cheese.	43
Gasch, Jr., Charles, Stockbridge.	43	118.	43
Cheese.	43	Karstaedt, C. F. F., Mosel. Cheese.	43
80.	43	119.	43
Geimer, J. A., Manitowoc. Cheese.	43	Kasbaum, J., Rube. Cheese.	43
81.	42	120.	43
George, F. A., Elk Creek. Butter.	42	Keif, N. N., Stockbridge. Cheese.	43
82.	42	121.	43
Gerlack, Aug., Apple Creek. Butter.	42	Kircher, F., Manitowoc. Cheese.	43
83.	42	122.	43
Gernon, S. E., Waukesha. Butter.	42	Kirchheck, H., Howard's Grove.	43
84.	43	Cheese.	43
Gilbertson, Henry, Rube. Butter.	43	123.	43
85.	43	Klemm, A. H., Manitowoc. Cheese.	43
Goehring, L. B., Scott. Cheese.	43	124.	43
86.	43	Klochon, Fred., Edwards. Cheese.	43
Gonger, John, Waushara. Cheese.	43	125.	43
87.	42	Knowles, C. M., St. Cloud. Cheese.	43
Goodrich, C. L., Fort Atkinson. Butter.	42		
88.	42		
Grashorn, Carl, Mayville. Butter.	42		
89.	43		
Grashorn, Wm., Adell. Cheese.	43		
90.	43		
Grashorn, Wm., Cascade. Cheese.	43		
91.	42		
Grebel, A. W., Beaver Dam. Butter.	42		
92.	42		
Green, W. B., Oshkosh. Butter.	42		

## Dairy and Dairy Products.

Exhibit No.	Class'n No.
126. Keehn & Potts, Appleton. Butter.	42
127. Koenig, N. F., Wrightstown. Cheese.	43
128. Kohl, W. J., Howard's Grove. Cheese.	43
129. Kohl & Fenner, Howard's Grove. Cheese.	43
130. Koop, Chas., West Bloomfield. Cheese.	48
131. Korb, E., Marytown. Cheese.	43
132. Kramer, Math, Charlesburg. a Butter.	42
b Cheese.	43
133. Kruger, F. A., Sawyer. Cheese.	43
134. Kuentz, Chas., Newtonburgh. Cheese.	48
135. Kuentz, Geo., Sheboygan Falls. Cheese.	43
136. Lanig, Peter, Potter. Cheese.	43
137. Lee, A. N., Bungert. Butter.	42
138. Lee, John, Stockbridge. Cheese.	43
139. Lemkin, H., Oostburgh. Cheese.	43
140. Lemmin, M., Edwards. Cheese.	43
141. Lensink, Joe., Oostburgh. Cheese.	43
142. Leonard, Anton, Dotyville. Cheese.	43
144. Lindsey, George, Manawa. Butter.	42
145. Linse, Charles, La Crosse. Butter.	42
146. Lockett, H. F., Cambellsport. Cheese.	43
147. Loehr, Lewis, Johnsburgh. Cheese.	43
148. Luecke, C. H., Plymouth. Cheese.	43
149. Lutzke, C., Osman. Cheese.	43
150. Manke, Rob't, Reedsville. Cheese.	43
151. Mansfield, Geo. C., & Co., Johnson's Creek. Butter from Johnson's Creek, Milford, Coogan, Hubbleton, and Juneau factories.	42
152. Martensen, M. A., Thompsonville. Butter.	42
153. Martin & Harter, Richland City. Butter.	42
154. McCabe, John R., Chilton. Cheese.	43
155. McCana, C. B., & Co., Burlington. Butter from Caldwell, Kansasville, Rochester, Dover, Big Bend, Honey Creek, New Muster, Waterford, Windsor and Prospect factories.	42
156. Megerpeter, Joseph, Beaver Dam. Butter.	42
157. Melendy, E. B., Sheboygan Falls. Cheese.	43

Exhibit No.	Class'n No.
158. Michek, M. J., Calumet Harbor. Cheese.	43
159. Miller, C., Mishicott. Cheese.	43
160. Miller, John, Winneconne. Cheese.	43
161. Miller, P. A., Osman. Cheese.	43
162. Montgomery, P. H., Armstrong. Cheese.	43
163. Morse, Uri, Big Springs. Butter.	42
164. Mott, Albert, Spring Lake. Cheese.	43
165. Murphy, A. L., Hortonville. Cheese.	43
166. Murphy, C. P., Darlington. Butter.	42
167. Murphy, C. P., & Co., Darlington. Butter.	42
168. Murphy, L., Curran. Cheese.	43
169. Mrgan, D., Cascade. Cheese.	43
170. Myers, J. R., Green Bay. Cheese.	43
171. Nelson, Andrew, Dale. Cheese.	43
172. Nelson, Birdell, Dale. Cheese.	43
173. Nelson, M., Hilbert. Cheese.	43
174. Noyes, H. J., Richland. Cheese.	43
175. O'Connell Bros., Beachwood. Cheese.	43
176. Olm, H., Niles. Cheese.	43
177. Orth, Nicholas, Darboy. Cheese.	43
178. Peffer, Kate F., Pewaukee. Butter.	42
179. Peters, F., Marytown. Cheese.	43
180. Philips, C. H., Addison. Butter.	42
181. Pingel, E. C., Chilton. Cheese.	43
182. Piper, J. W., Chilton. Cheese.	43
183. Pluss, Henry, Alverno. Cheese.	43
184. Poole, Albert, Darlington. Butter.	42
185. Powell, J. K., New Lisbon. Cheese.	43
186. Pozorske, J. P., Two Rivers. Cheese.	43
187. Race, F. C., Saukville. Butter.	42
188. Randolph Creamery Co., Randolph. Butter.	42
189. Reed, S. L., Medina. Cheese.	43
190. Regez, J., Monroe. Cheese.	43
191. Rehbein, Julius, Larrabee. Cheese.	43
192. Reineking, Aug., Franklin. Cheese.	43
193. Reineking, F. C., Bungert. Cheese.	43
194. Reis, Philip, St. Johns. Cheese.	43
195. Reis, Theo., St. Johns. Cheese.	43
196. Rickmeier, Rudolph, Glenbeulah. Cheese.	43
197. Riedel, F. W., Brillion. Cheese.	43
198. Roach & Seeber & Co., Waterloo. Butter.	42

## Dairy and Dairy Products, Tobacco.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
199. Rockland Dairy Ass'n, Manitowoc. Cheese.	43	240. Van Name, B. S., Hortonville. Cheese.	43
200. Roderwold, Wm., Timothy. Cheese.	43	241. Verity, W. H., Appleton. Cheese.	43
201. Roethel, Fred., Ada. Cheese.	43	242. Vetter, Fred., Manitowoc. Cheese.	43
202. Rowerdrink, J., Gibbville. Cheese.	43	243. Vetting, Wm. Newtonburg. Cheese.	43
203. Runte, Mrs. T., Hilbert. Cheese.	43	244. Vickers, T. Isaac, Darlington. Butter.	42
206. Scheibe, H., Plymouth. Cheese.	43	245. Wagoner, Mat., Mt. Calvary. Cheese.	43
207. Schempf, Henry, Fort Atkinson. Butter from Busseyville, Schlickemeier, Cold Spring, Hillside and Hebron factories.	42	246. Walters, C. J., Brushville. Cheese.	43
208. Schmidt, Albert, Fond du Lac. Cheese.	43	247. Walters, Wid., Berlin. Cheese.	43
209. Schneider, E., Howard's Grove. Cheese.	43	248. Walvord, Henry, Cedar Grove. Cheese.	43
210. Schoenman, R., Plain. Cheese.	43	249. Webb, Geo. E. Greenbush. Cheese.	43
211. Schulze, H., Johnsonville. Cheese.	43	250. Weing, J. P., Chilton. Cheese.	43
212. Sette, F., Iron Bridge. Cheese.	43	251. Werner, J. H., Brillion. Butter.	42
212a. Sette, M., Juneau. Cheese.	43	252. Werner, J. H., Ladoga. Cheese.	43
213. Siemers, F. H., Plymouth. Cheese.	43	253. Wernick & Hammer, Hillsborough. Butter.	42
214. Siemers, W. C., Edwards. Cheese.	43	254. Wernicke, C. F. G., St. Cloud. Cheese.	43
216. Simon & Co., N., Neenah. Cheese.	43	255. Whiting, A. C., Ladoga. Cheese.	43
216a. Simons & Hutson, Lodi. Cheese.	43	256. Widder, E., Sheboygan Falls. Cheese.	43
217. Skidmore, L. C., Stockbridge. Cheese.	43	257. Wienries, Peter, Johnsburgh. Cheese.	43
218. Smith, Albert, Augusta. Cheese.	43	258. Wigner & Heisdorf, Ada. Cheese.	43
219. Staeffler, C. W., Binghamton. Cheese.	43	259. Wisconsin Creamery Co., Thompsonville. Butter.	42
220. Stecker, John, Plymouth. Cheese.	43	260. Wittke, Robert, Beaver Dam. Butter.	42
221. Steffen, J. H., Mackville. Cheese.	43	261. Wittke, Rob't, Brillion. Butter.	42
222. Stephenson, L. R., Sturgeon. Cheese.	43	262. Wolfmeyer, John M., Brillion. Cheese.	43
223. Strassburger, C., Becker. Cheese.	43	263. Zimmerman, R., Attica. Cheese.	43
224. Strauss, Frank, Silver Creek. Cheese.	43	264. Zuercher, Chas., Juda. Cheese.	43
225. Strigel, M., Mackville. Cheese.	43		
226. Strodthoff, J. H., Alverno. Cheese.	43		
227. Suemnicht, Albert, Cascade. Cheese.	43		
228. Sweeney, Mrs. Wm., Fox Lake. Cheese.	43		
229. Tams, Wm. Nilbert. Cheese.	43		
230. Terrell, Ed., Berlin. Cheese.	43		
231. Teschendorf, E., Fond du Lac. Cheese.	43		
232. Themar, C. F., Sheboygan. Cheese.	43		
233. Thomas J. M., Dixon. Cheese.	43		
234. Thorpe, Charles, Burnett. Butter.	42		
235. Thrall, Mrs. E. T., Omro. Butter.	42		
236. Tricker, Henry J., Mineral Point. Cheese.	43		
237. Truttechel & Dassow, Sheboygan Falls. Cheese.	43		
238. Tubbs, Peter, Seymour. Butter.	42		
239. Van Kirk, Janesville. Butter.	42		

## GROUP 8. SE. I-C-7

705. Allness, Ole, Liberty Pole. Havana seed leaf tobacco.	48
706. Anderson, John, Edgerton. Havana seed leaf tobacco.	48
707. Anderson, Martin, Dunn. Havana seed leaf tobacco.	48
708. Anderson, Nels, Westby. Havana seed leaf tobacco.	48
709. Anderson, R. A., Lodi. Havana and leaf tobacco.	48
710. Anderson, S., Edgerton. Havana seed leaf tobacco.	48
710a. Aschia, Fred., Cedarburg. Caraway seed.	47

## Tobacco.

Exhibit No.	Class's No.	Exhibit No.	Class's No.
711. Asleson, Tom, Edgerton.	Havana	738. Craw, Wm., Center.	Havana seed
seed leaf tobacco.	48	leaf tobacco.	48
712. Ayer, A., Windsor.	Havana seed	739. Croddle, H., Dunn.	Havana seed leaf
leaf tobacco.	48	tobacco.	48
713. Baxter, James, Windsor.	Havana	739a. Cump, Louis, Edgerton.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
714. Bedley, Hans, Bristol.	Havana seed	740. Dach, J., Rocktown.	Havana seed
leaf tobacco.	48	leaf tobacco.	48
714a. Benson, N., Orfordville.	Havana	741. Davis, M. G., Viroqua.	Havana seed
seed leaf tobacco.	48	leaf tobacco.	48
715. Bergh, Torger, Liberty Pole.	Havana	742. Decker, J. A., Orfordville.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
716. Birtness, H. T., & Bro., Orfordville.	Havana	743. Doty, J., Burke.	Havana seed leaf
Havana seed leaf tobacco.	48	tobacco.	48
717. Bjoia, E., Utica.	Havana seed leaf	744. Douglas, H., Bristol.	Havana seed
tobacco.	48	leaf tobacco.	48
718. Blanchard, H. D., Madison.	Havana	744a. Dregne, C., Liberty Pole.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
719. Booras, Peter, Westby.	Havana	745. Dregne, John, Liberty Pole.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
720. Bosson, Andrew, Stoughton.	Havana	746. Drew, Thos., Edgerton.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
721. Brage, Ole, Liberty Pole.	Havana	747. Eagan, J. E., Edgerton.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
722. Bringe, Peter, Liberty Pole.	Havana	748. Eckhardt, Fred, Viroqua.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
723. Brown, Geo., York.	Havana seed	749. Edwards, John, Viroqua.	Havana
leaf tobacco.	48	seed leaf tobacco.	48
724. Brown, James, Stoughton.	Havana	750. Eieison, C., Liberty Pole.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
725. Bruette, N., Jefferson.	Havana seed	751. Erdall, C., Lancaster.	Havana seed
leaf tobacco.	48	leaf tobacco.	48
726. Brye, Lars, Viroqua.	Havana seed	752. Erickson, Andrew, Cambridge.	Havana
leaf tobacco.	48	seed leaf tobacco.	48
727a. Bulstad, B., Madison.	Havana seed	753. Everingham, Geo., Janesville.	Havana
leaf tobacco.	48	seed leaf tobacco.	48
728. Call, Thos., Viroqua.	Havana seed	755. Farness, O., York.	Havana seed
leaf tobacco.	48	leaf tobacco.	48
729. Carlson, Ole, Burke.	Havana seed	756. Fartney, D. T., Viroqua.	Havana
leaf tobacco.	48	seed leaf tobacco.	48
730. Cavanaugh, J., Lodi.	Havana seed	756a. Favor, Jerome, Springville.	Havana
leaf tobacco.	48	seed leaf tobacco.	48
730a. Chapman, George, Harmony.	Havana	757. Finbey, Lars, Cambridge.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
731. Chase, W., Bristol.	Havana seed	758. Fischer, A. L., Town Center.	Havana
leaf tobacco.	48	leaf tobacco.	48
732. Christianson, John, Cambridge.	Havana	758a. Fischer, L. N., Town Center.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
733. Christianson, O., Cambridge.	Havana	758b. Fischer, Seth, Town Center.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
734. Cleophas, Gus., Beloit.	Havana seed	759. Fladhammer, Andrew, Viroqua.	Havana
leaf tobacco.	48	seed leaf tobacco.	48
735. Collie, Geo., Brooklyn.	Havana seed	760. Flathme, Thos., Avalanche.	Havana
leaf tobacco.	48	seed leaf tobacco.	48
736. Connor, W. O., Liberty Pole.	Havana	760a. Forger, Ole, Liberty Pole.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
737. Cory, W. H., Edgerton.	Havana	760b. Fourn, John, Utica.	Havana seed
seed leaf tobacco.	48	leaf tobacco.	48

## Tobacco.

Exhibit No.	Class No.	Exhibit No.	Class No.
761. Fouran, H., Utica. Havana seed leaf tobacco.	48	787. Homey, K. Pleasant Springs. Havana seed leaf tobacco.	48
762. Froeland, Ben., Avalanche. Havana seed leaf tobacco.	48	788. Homstad, Elias, Westley. Havana seed leaf tobacco.	48
763. Gardner, O. P., Orfordville. Havana seed leaf tobacco.	48	790. Honeysett, Thos., Edgerton. Havana seed leaf tobacco.	48
763a. Geresse, Wm., Rocktown. Havana seed leaf tobacco.	48	790a. Hopkins, Sampson, Town Center. Havana seed leaf tobacco.	48
764. Goff, Geo., Dunkirk. Havana seed leaf tobacco.	48	791. Jacobson, Ole, Burke. Havana seed leaf tobacco.	48
765. Good, F., Burke. Havana seed leaf tobacco.	48	792. Jellum, S., Christiana. Havana seed leaf tobacco.	48
766. Green, John, Madison. Havana seed leaf tobacco.	48	793. Jemerson, Ole, Dunn. Havana seed leaf tobacco.	48
767. Gruetzmuehle, George, Madison. Havana seed leaf tobacco.	48	794. Jensen, Andrew, Edgerton. Havana seed leaf tobacco.	48
768. Gulbranson, O., Stoughton. Havana seed leaf tobacco.	48	795. Jensen, Erick, Lodi. Havana seed leaf tobacco.	48
769. Gundor, Louis, Lodi. Havana seed leaf tobacco.	48	796. Jensen, J. O., Brooklyn. Havana seed leaf tobacco.	48
770. Hall, Anamas, Viroqua. Havana seed leaf tobacco.	48	797. Johnson, B. M., Orfordville. Havana seed leaf tobacco.	48
771. Halverson, K., Madison. Havana seed leaf tobacco.	48	798. Johnson, E., Windsor. Havana seed leaf tobacco.	48
773. Hanson, Hans, Cottage Grove. Havana seed leaf tobacco.	48	799. Johnson, E. I., Dunn. Havana seed leaf tobacco.	48
775. Hanson, Hans, Dunkirk. Havana seed leaf tobacco.	48	800. Johnson, Evling, Cambridge. Havana seed leaf tobacco.	48
776. Hanson, John, Edgerton. Havana seed leaf tobacco.	48	801. Johnson, Halver, Avalanche. Havana seed leaf tobacco.	48
777. Hanson, Ole, Westley. Havana seed leaf tobacco.	48	802. Johnson, Hans, Dunkirk. Havana seed leaf tobacco.	48
778. Hanson, Peter, Sun Prairie. Havana seed leaf tobacco.	48	803. Johnson, H., Pleasant Springs. Havana seed leaf tobacco.	48
778a. Harvey, Mas, Pleasant Springs. Havana seed leaf tobacco.	48	804. Johnson, I., Westby. Havana seed leaf tobacco.	48
779. Hattan, Geo., Rutland. Havana seed leaf tobacco.	48	805. Johnson, Jens, Lodi. Havana seed leaf tobacco.	48
780. Hauge, J., Bristol. Havana seed leaf tobacco.	48	806. Johnson, Ole, Rutland. Havana seed leaf tobacco.	48
781. Haugen, Erick N., Orfordville. Havana seed leaf tobacco.	48	807. Johnson, Ole, Westby. Havana seed leaf tobacco.	48
781a. Haugen, H. O., Utica. Havana seed leaf tobacco.	48	808. Jotil, T., Pleasant Springs. Havana seed leaf tobacco.	48
782. Haugen, H. S., Stoughton. Havana seed leaf tobacco.	48	809. Karrow, E., Windsor. Havana seed leaf tobacco.	48
782a. Haugen, Nels, Rutland. Havana seed leaf tobacco.	48	810. Kastend, Ole, Westby. Havana seed leaf tobacco.	48
783. Haugenson, John, Westby. Havana seed leaf tobacco.	48	811. Kier, S. M., Liberty Pole. Havana seed leaf tobacco.	48
784. Heltand, E. T., Westby. Havana seed leaf tobacco.	48	812. Kleinschmidt, John, Ft. Atkinson. Havana seed leaf tobacco.	48
785. Hendrickson, Henry, Liberty Pole. Havana seed leaf tobacco.	48	813. Klongeland, O., Stoughton. Havana seed leaf tobacco.	48
786. Henry, M., Viroqua. Havana seed leaf tobacco.	48	814. Knudson, C., Cambridge. Havana seed leaf tobacco.	48
786a. Holman, Peter, Avalanche. Havana seed leaf tobacco.	48	815. Knudson, Ole, Leeds. Havana seed leaf tobacco.	48

## Tobacco..

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
868. Knudson, Ole O., Orfordville.	Havana	843. Morrison, E. C., Edgerton.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
877. Knudson, Sever, Blooming Grove.	Havana	843a. Neling, J., Rocktown.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
818. Krause, Carl, Stockbridge.	Caraway	844. Nelson, Anton, Avalanche.	Havana
seed.	47	seed leaf tobacco.	48
819. Kravick, Lars, Edgerton.	Havana	845. Nelson, Cornelius, Edgerton.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
820. Larson, Sever, Viroqua.	Havana	846. Nelson, O. P., Edgerton.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
821. Lawrence, Tim, Stoughton.	Havana	847. Nelson, Wm., Boscobel.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
822. Lenaas, Mrs. O., Utica.	Havana	848. Neprud, Elias, Westby.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
823. Lindermuth, Matt., Chilton.	Caraway	849. Neprud, S. W., Westby.	Havana
seed.	47	seed leaf tobacco.	48
824. Liston, Ston, Orfordville.	Havana	850. Nettum, A., Albion.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
825. Linton, J. B., Edgerton.	Havana	851. Norden, Nels., Mt. Horeb.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
826. Loomis, S. L., Edgerton.	Havana	852. Noyes, W. H., Janesville.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
827. Loper, C., York.	Havana	853. Oberson, Swain, Westby.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
827a. Lorgier, Ole, Liberty Pole.	Havana	853a. Obyrson, Chas., Rocktown.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
828. Loudon, F. W., Janesville.	Havana	854. Olson, Brown, Westby.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
829. London, Jas. M., Janesville.	Havana	855. Olson, Henry, Vienna.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
829. Lovend, K. K., Viroqua.	Havana	856. Olson, Jens, Hampden.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
832. MacKend, Simon, Westley.	Havana	857. Olson, John, Dunn.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
833. Marks, John, Edgerton.	Havana	858. Olson, T., Windsor.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
834. Mathieson, P., Edgerton.	Havana	859. Overstrud, O. E., Spring Valley.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
835. McGinnis, John, Dunkirk.	Havana	860. Parker, Frank, Janesville.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
836. Meissner, F. A., Cashton.	Caraway	861. Pearson, John, Edgerton.	Havana
seed.	47	seed leaf tobacco.	48
837. Miland, T. O., Lodi.	Havana	862. Pederson, Yon, Hanover.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
838. Mitchell, G., Bristol.	Havana	863. Peterson, C., Liberty Pole.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
839. Mitchell, J., Burke.	Havana	864. Peterson, Elias, Westby.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
839a. Moakend, Simon, Westby.	Havana	865. Potter, W. K., Cambridge.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
839b. Moen Bros., Rutland.	Havana	866. Powell, E., Viroqua.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
840. Moen Bros., Stoughton.	Havana	867. Preus, N., Viroqua.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
841. Moen, G. G., Edgerton.	Havana	868. Quamen, O., Edgerton.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
842. Mohr, Jas. R., Janesville.	Havana	869. Risum, C. L., Orfordville.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48



## ALGERIA.

## LOCATION—SEC. A.

## Cereals, Forage Plants, Bread, Products of the Farm, Vegetable Substances.

## GROUP 1.

Exhibit No.	Class'n No.
1. Caillat, Edmond, Boufarik.	
a Wheat.	1
b Corn.	2
c Oats.	3
d Barley.	4
e Alfalfa.	9
f Flour, meal, etc.	11
2. Carrafang Freres, Mascara.	
a Wheat.	1
b Barley.	4
c Flour, meal, etc.	11
3. Chollet, E. E. & A., Ain-Arnat.	
a Wheat.	1
b Barley.	4
4. Comice agricole (Agricultural Society), Bougie.	
a Wheat.	1
b Oats.	3
c Barley.	4
5. Compagnie Genevoise des Colonies Suisses, Setif.	
a Wheat.	1
b Barley.	4
6. Deyries, Bougie.	
a Wheat.	1
b Barley.	4
7. Durand, M., Berronaghia. Wheat.	1
8. Giraud, Lezin, Blida.	
a Wheat.	1
b Oats.	3
c Barley.	4
d Flour, meal, etc.	11
9. Jourdan Freres, Affreville.	
a Wheat.	1
b Oats.	3
c Barley.	4
10. Lavie & Co., Alfred, Constantine. Flour, meal, etc.	11
11. Narbonne, Louis, Hussein-Dey.	
a Wheat.	1
b Flour, meal, etc.	11
12. Ollivier Leutenegger & Co., Tizi-ouzon. Flour, meal, etc.	11
13. Sost, Berronaghia. Wheat.	1
14. Thomas & Pautard, Azazga. Wheat.	1
15. Trabut, Dr., Algiers. Wheat.	1

Exhibit No.	Class'n No.
16. Yahia Cherif Si Salah ben Sliman, Colbert.	
a Wheat.	1
b Barley.	4

## GROUP 2.

17. Caillat, Edmond, Boufarick. Semolino, etc.	15
18. Carrafang Freres, Mascara. Semolino, etc.	15
19. Debono & Suitana, Bone. Pastes of various kinds.	15
20. El Hachemi ben Si Lounis, Fort National. Starch producing cereals.	16
21. Giraud, Lezin, Blida.	
a Semolino.	15
b Starch producing cereals.	16
22. Lavie & Co., Constantine. Semolino.	15
23. Ollivier Leutenegger & Co., Tizi-Ouzou. Semolino.	15
24. Zurcher, Aime, Courbet. Starch producing cereals.	16

## GROUP 3.

25. Coquard, Emile, Algiers. Honey.	26
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## GROUP 5.

26. Caillat, Edmund, Boufarik. Peas and beans.	32
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## GROUP 8.

26a. Amoros, Pedro, Oran.	
a Manufactured tobacco.	51
b Cigars and cigarettes.	52
27. Bastos, J., Oran. Manufactured tobacco.	51
28. Chebat, Jacob, Algiers.	
a Manufactured tobacco.	51
b Cigarettes.	52
29. De Richemond, Count, Birtouta. Leaf tobacco.	48
30. El Hachemi ben Si Lounis, Fort National. Leaf tobacco.	48
31. Fernandez-Amor, G., Oran. Cigarettes.	52
32. Jobert, G., Mostaganem.	
a Manufactured tobacco.	51
b Cigarettes.	52

## Dairy and Dairy Products, Tobacco.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
199.	43	240.	43
Rockland Dairy Ass'n, Manitowoc. Cheese.		Van Name, B. S., Horton. Cheese.	
200.	43	241.	43
Roderwold, Wm., Timothy. Cheese.		Verity, W. H., Appleton. Cheese.	
201.	43	242.	43
Roethel, Fred., Ada. Cheese.		Vetter, Fred., Manitowoc. Cheese.	
202.	43	243.	43
Rowerdrink, J., Gibbville. Cheese.		Vetting, Wm. Newtonburg. Cheese.	
203.	43	244.	43
Runte, Mrs. T., Hilbert. Cheese.		Vickers, T. Isaac, Darlington. Cheese.	
206.	43	245.	43
Scheibe, H., Plymouth. Cheese.		Wagoner, Mat., Mt. Calvary. Cheese.	
207.	43	246.	43
Schempi, Henry, Fort Atkinson. Butter from Busseyville, Schlickemeier, Cold Spring, Hillside and Hebron factories.	42	Walters, C. J., Brushville. Cheese.	
208.	43	247.	43
Schmidt, Albert, Fond du Lac. Cheese.		Walters, Wid., Berlin. Cheese.	
209.	43	248.	43
Schneider, E., Howard's Grove. Cheese.		Walvord, Henry, Cedar Grove. Cheese.	
210.	43	249.	43
Schoenman, R., Plain. Cheese.		Webb, Geo. E. Greenbush. Cheese.	
211.	43	250.	43
Schulze, H., Johnsonville. Cheese.		Weing, J. P., Chilton. Cheese.	
212.	43	251.	43
Sette, F., Iron Bridge. Cheese.		Werner, J. H., Brillion. Butter.	
212a.	43	252.	43
Sette, M., Juneau. Cheese.		Werner, J. H., Ladoga. Cheese.	
213.	43	253.	43
Siemers, F. H., Plymouth. Cheese.		Wernick & Hammer, Hillsboro. Butter.	
214.	43	254.	43
Siemers, W. C., Edwards. Cheese.		Wernicke, C. F. G., St. Cloud. Cheese.	
216.	43	255.	43
Simon & Co., N., Neenah. Cheese.		Whiting, A. C., Ladoga. Cheese.	
216a.	43	256.	43
Simons & Hutson, Lodi. Cheese.		Widder, E., Sheboygan Falls. Cheese.	
217.	43	257.	43
Skidmore, L. C., Stockbridge. Cheese.		Wienries, Peter, Johnsburgh. Cheese.	
218.	43	258.	43
Smith, Albert, Augusta. Cheese.		Wigner & Heisdorf, Ada. Cheese.	
219.	43	259.	43
Staefler, C. W., Binghamton. Cheese.		Wisconsin Creamery Co., Thoms-sonville. Butter.	
220.	43	260.	43
Stecker, John, Plymouth. Cheese.		Wittke, Robert, Beaver Dam. Butter.	
221.	43	261.	43
Steffen, J. H., Mackville. Cheese.		Wittke, Rob't, Brillion. Butter.	
222.	43	262.	43
Stephenson, L. R., Sturgeon. Cheese.		Wolfmeyer, John M., Brillion. Cheese.	
223.	43	263.	43
Strassburger, C., Becker. Cheese.		Zimmerman, R., Attica. Cheese.	
224.	43	264.	43
Strauss, Frank, Silver Creek. Cheese.		Zuercher, Chas., Juda. Cheese.	
225.	43		
Strigel, M., Mackville. Cheese.			
226.	43		
Strodthoff, J. H., Alverno. Cheese.			
227.	43		
Suennicht, Albert, Cascade. Cheese.			
228.	43		
Sweeney, Mrs. Wm., Fox Lake. Cheese.			
229.	43		
Tams, Wm. Nilbert. Cheese.			
230.	43		
Terrell, Ed., Berlin. Cheese.			
231.	43		
Teschendorf, E., Fond du Lac. Cheese.			
232.	43		
Themar, C. F., Sheboygan. Cheese.			
233.	43		
Thomas J. M., Dixon. Cheese.			
234.	42		
Thorpe, Charles, Burnett. Butter.			
235.	42		
Thrall, Mrs. E. T., Omro. Butter.			
236.	43		
Tricker, Henry J., Mineral Point. Cheese.			
237.	43		
Truttschel & Dassow, Sheboygan Falls. Cheese.			
238.	42		
Tabbs, Peter, Seymour. Butter.			
239.	42		
Van Kirk, Janesville. Butter.			

## GROUP 8. SE. I-C-7

705.	43	Allness, Ole, Liberty Pole. Havana seed leaf tobacco.
706.	43	Anderson, John, Edgerton. Havana seed leaf tobacco.
707.	43	Anderson, Martin, Dunn. Havana seed leaf tobacco.
708.	43	Anderson, Nels, Westby. Havana seed leaf tobacco.
709.	43	Anderson, R. A., Lodi. Havana leaf tobacco.
710.	43	Anderson, S., Edgerton. Havana seed leaf tobacco.
710a.	43	Aschia, Fred., Cedarburg. Caraway seed.

## Tobacco.

	Class's No.	Exhibit No.	Class's No.
Adams, Tom, Edgerton. Havana	48	738. Craw, Wm., Center. Havana seed	48
leaf tobacco.	48	leaf tobacco.	48
Ayer, A. Windsor. Havana seed	48	739. Croddle, H., Dunn. Havana seed leaf	48
leaf tobacco.	48	tobacco.	48
Baker, James, Windsor. Havana	48	739a. Cump, Louis, Edgerton. Havana	48
leaf tobacco.	48	seed leaf tobacco.	48
Baker, Hans, Bristol. Havana seed	48	740. Dach, J., Rocktown. Havana seed	48
leaf tobacco.	48	leaf tobacco.	48
Barnes, N., Orfordville. Havana	48	741. Davis, M. G., Viroqua. Havana seed	48
leaf tobacco.	48	leaf tobacco.	48
Berg, Torger, Liberty Pole. Havana	48	742. Decker, J. A., Orfordville. Havana	48
leaf tobacco.	48	seed leaf tobacco.	48
Burke, H. T., & Bro., Orfordville.	48	743. Doty, J., Burke. Havana seed leaf	48
seed leaf tobacco.	48	tobacco.	48
Burns, E., Utica. Havana seed leaf	48	744. Douglas, H., Bristol. Havana seed	48
tobacco.	48	leaf tobacco.	48
Richard, H. D., Madison. Havana	48	744a. Dregne, C., Liberty Pole. Havana	48
leaf tobacco.	48	seed leaf tobacco.	48
Burns, Peter, Westby. Havana	48	745. Dregne, John, Liberty Pole. Havana	48
leaf tobacco.	48	seed leaf tobacco.	48
Bushon, Andrew, Stoughton. Ha-	48	746. Drew, Thos., Edgerton. Havana	48
seed leaf tobacco.	48	seed leaf tobacco.	48
Burge, Ole, Liberty Pole. Havana	48	747. Eagan, J. E., Edgerton. Havana	48
leaf tobacco.	48	seed leaf tobacco.	48
Burge, Peter, Liberty Pole. Havana	48	748. Eckhardt, Fred, Viroqua. Havana	48
leaf tobacco.	48	seed leaf tobacco.	48
Brown, Geo., York. Havana seed	48	749. Edwards, John, Viroqua. Havana	48
leaf tobacco.	48	seed leaf tobacco.	48
Brown, James, Stoughton. Havana	48	750. Elefson, C., Liberty Pole. Havana	48
leaf tobacco.	48	seed leaf tobacco.	48
Buckett, N., Jefferson. Havana seed	48	751. Erdall, C., Lancaster. Havana seed	48
leaf tobacco.	48	leaf tobacco.	48
Burt, Lars, Viroqua. Havana seed	48	752. Erickson, Andrew, Cambridge. Ha-	48
leaf tobacco.	48	vana seed leaf tobacco.	48
Bustad, B., Madison. Havana seed	48	753. Everingham, Geo., Janesville. Ha-	48
leaf tobacco.	48	vana seed leaf tobacco.	48
Bull, Thos., Viroqua. Havana seed	48	755. Farness, O., York. Havana seed	48
leaf tobacco.	48	leaf tobacco.	48
Burison, Ole, Burke. Havana seed	48	756. Fartney, D. T., Viroqua. Havana	48
leaf tobacco.	48	seed leaf tobacco.	48
Bavanaugh, J., Lodi. Havana seed	48	756a. Favor, Jerome, Springville. Havana	48
leaf tobacco.	48	seed leaf tobacco.	48
Chapman, George, Harmony. Ha-	48	757. Finbey, Lars, Cambridge. Havana	48
seed leaf tobacco.	48	seed leaf tobacco.	48
Chase, W., Bristol. Havana seed	48	758. Fischer, A. L., Town Center. Havana	48
leaf tobacco.	48	leaf tobacco.	48
Christianson, John, Cambridge. Ha-	48	758a. Fischer, L. N., Town Center. Ha-	48
vana seed leaf tobacco.	48	vana seed leaf tobacco.	48
Christianson, O., Cambridge. Havana	48	758b. Fischer, Seth, Town Center. Ha-	48
seed leaf tobacco.	48	vana seed leaf tobacco.	48
Cleophas, Gus., Beloit. Havana seed	48	759. Fladhammer, Andrew, Viroqua. Ha-	48
leaf tobacco.	48	vana seed leaf tobacco.	48
Collie, Geo., Brooklyn. Havana seed	48	760. Flathme, Thos., Avalanche. Havana	48
leaf tobacco.	48	seed leaf tobacco.	48
Connor, W. O., Liberty Pole. Ha-	48	760a. Forger, Ole, Liberty Pole. Havana	48
vana seed leaf tobacco.	48	seed leaf tobacco.	48
Cory, W. H., Edgerton. Havana	48	760b. Fouran, John, Utica. Havana seed	48
leaf tobacco.	48	leaf tobacco.	48

## Tobacco.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
199. Rock	48	787. Homey, K. Pleasant Springs.	48
200. Rock	48	vana seed leaf tobacco.	
201. Rock	48	788. Homstad, Elias, Westley. Havana	48
202. Rock	48	seed leaf tobacco.	
203. Rock	48	790. Honeysett, Thos., Edgerton. Havana	48
204. Rock	48	vana seed leaf tobacco.	
205. Rock	48	790a. Hopkins, Sampson, Town Cent.	48
206. Rock	48	Havana seed leaf tobacco.	
207. Rock	48	791. Jacobson, Ole, Burke. Havana seed	48
208. Rock	48	leaf tobacco.	
209. Rock	48	792. Jellum, S., Christiana. Havana seed	48
210. Rock	48	leaf tobacco.	
211. Rock	48	793. Jemerson, Ole, Dunn. Havana seed	48
212. Rock	48	leaf tobacco.	
213. Rock	48	794. Jensen, Andrew, Edgerton. Havana	48
214. Rock	48	seed leaf tobacco.	
215. Rock	48	795. Jensen, Erick, Lodi. Havana seed	48
216. Rock	48	leaf tobacco.	
217. Rock	48	796. Jensen, J. O., Brooklyn. Havana	48
218. Rock	48	seed leaf tobacco.	
219. Rock	48	797. Johnson, B. M., Orfordville. Havana	48
220. Rock	48	seed leaf tobacco.	
221. Rock	48	798. Johnson, E., Windsor. Havana seed	48
222. Rock	48	leaf tobacco.	
223. Rock	48	799. Johnson, E. I., Dunn. Havana seed	48
224. Rock	48	leaf tobacco.	
225. Rock	48	800. Johnson, Evling, Cambridge. Havana	48
226. Rock	48	vana seed leaf tobacco.	
227. Rock	48	801. Johnson, Halver, Avalanche. Havana	48
228. Rock	48	seed leaf tobacco.	
229. Rock	48	802. Johnson, Hans, Dunkirk. Havana	48
230. Rock	48	seed leaf tobacco.	
231. Rock	48	803. Johnson, H., Pleasant Springs. Havana	48
232. Rock	48	vana seed leaf tobacco.	
233. Rock	48	804. Johnson, I., Westby. Havana seed	48
234. Rock	48	leaf tobacco.	
235. Rock	48	805. Johnson, Jens, Lodi. Havana seed	48
236. Rock	48	leaf tobacco.	
237. Rock	48	806. Johnson, Ole, Rutland. Havana seed	48
238. Rock	48	leaf tobacco.	
239. Rock	48	807. Johnson, Ole, Westby. Havana seed	48
240. Rock	48	leaf tobacco.	
241. Rock	48	808. Jotil, T., Pleasant Springs. Havana	48
242. Rock	48	seed leaf tobacco.	
243. Rock	48	809. Karrow, E., Windsor. Havana seed	48
244. Rock	48	leaf tobacco.	
245. Rock	48	810. Kastend, Ole, Westby. Havana seed	48
246. Rock	48	leaf tobacco.	
247. Rock	48	811. Kier, S. M., Liberty Pole. Havana	48
248. Rock	48	seed leaf tobacco.	
249. Rock	48	812. Kleinschmidt, John, Ft. Atkinson.	48
250. Rock	48	Havana seed leaf tobacco.	
251. Rock	48	813. Klongeland, O., Stoughton. Havana	48
252. Rock	48	seed leaf tobacco.	
253. Rock	48	814. Knudson, C., Cambridge. Havana	48
254. Rock	48	seed leaf tobacco.	
255. Rock	48	815. Knudson, Ole, Leeds. Havana seed	48
256. Rock	48	leaf tobacco.	

## Tobacco..

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
838. Knudson, Ole O., Orfordville.	Havana	843. Morrison, E. C., Edgerton.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
839. Knudson, Sever, Blooming Grove.	Havana	843a. Neling, J., Rocktown.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
840. Krause, Carl, Stockbridge.	Caraway	844. Nelson, Anton, Avalanche.	Havana
seed.	47	seed leaf tobacco.	48
841. Kravick, Lars, Edgerton.	Havana	845. Nelson, Cornelius, Edgerton.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
842. Larson, Sever, Viroqua.	Havana	846. Nelson, O. P., Edgerton.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
843. Lawrence, Tim, Stoughton.	Havana	847. Nelson, Wm., Boscobel.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
844. Lensas, Mrs. O., Utica.	Havana	848. Neprud, Elias, Westby.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
845. Lindermuth, Matt., Chilton.	Caraway	849. Neprud, S. W., Westby.	Havana
seed.	47	seed leaf tobacco.	48
846. Liston, Ston, Orfordville.	Havana	850. Nettum, A., Albion.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
847. Lointon, J. B., Edgerton.	Havana	851. Norden, Nels., Mt. Horeb.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
848. Loomis, S. L., Edgerton.	Havana	852. Noyes, W. H., Janesville.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
849. Loper, C., York.	Havana	853. Oberson, Swain, Westby.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
850. Lorgier, Ole, Liberty Pole.	Havana	853a. Obyrson, Chas., Rocktown.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
851. Loudon, F. W., Janesville.	Havana	854. Olson, Brown, Westby.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
852. Loudon, Jas. M., Janesville.	Havana	855. Olson, Henry, Vienna.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
853. Lovend, K. K., Viroqua.	Havana	856. Olson, Jens, Hampden.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
854. MacKend, Simon, Westley.	Havana	857. Olson, John, Dunn.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
855. Marks, John, Edgerton.	Havana	858. Olson, T., Windsor.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
856. Mathieson, P., Edgerton.	Havana	859. Overstrud, O. E., Spring Valley.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
857. McGinnis, John, Dunkirk.	Havana	860. Parker, Frank, Janesville.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
858. Meissner, F. A., Cashton.	Caraway	861. Pearson, John, Edgerton.	Havana
seed.	47	seed leaf tobacco.	48
859. Miland, T. O., Lodi.	Havana	862. Pederson, Yon, Hanover.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
860. Mitchell, G., Bristol.	Havana	863. Peterson, C., Liberty Pole.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
861. Mitchell, J., Burke.	Havana	864. Peterson, Elias, Westby.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
862. Moakend, Simon, Westby.	Havana	865. Potter, W. K., Cambridge.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
863. Moen Bros., Rutland.	Havana	866. Powell, E., Viroqua.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
864. Moen Bros., Stoughton.	Havana	867. Preus, N., Viroqua.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
865. Moen, G. G., Edgerton.	Havana	868. Quamen, O., Edgerton.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48
866. Mole, Jas. R., Janesville.	Havana	869. Risum, C. L., Orfordville.	Havana
seed leaf tobacco.	48	seed leaf tobacco.	48

## Tobacco, Animal Fibres.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
870. Roam, C., Stoughton.	Havana seed leaf tobacco. 48	892. Svenson, Even, Cambridge.	Havana seed leaf tobacco. 48
871. Rodriguez, A., Ft. Atkinson.	Havana seed leaf tobacco. 48	893. Swenson, Peter, Rio.	Havana seed leaf tobacco. 48
872. Routlin, K., Stoughton.	Havana seed leaf tobacco. 48	893a. Swerson, Knud, Medina.	Havana seed wrappers and binders. 48
873. Rumsey, Henry, Springville.	Havana seed leaf tobacco. 48	894. Swiggum, Thos., Westby.	Havana seed leaf tobacco. 48
873a. Running, A., Schleisingerville.	Caraway seed. 47	895. Swinson, Thos., Viroqua.	Havana seed leaf tobacco. 48
874. Rusta, Peter, Stoughton.	Havana seed leaf tobacco. 48	896. Temple, A. H., Edgerton.	Havana seed leaf tobacco. 48
875. Sander, Wm., Morrisonville.	Havana seed leaf tobacco. 48	896a. Texley, A., Cambridge.	Havana seed leaf tobacco. 48
876. Sanders, Ole, Albion.	Havana seed leaf tobacco. 48	896b. Texley, H., Christiana.	Havana seed leaf tobacco. 48
877. Sawgstad, Theodore, Westby.	Havana seed leaf tobacco. 48	897. Thompson, John, Westport.	Havana seed leaf tobacco. 48
878. Schrode, F., Stoughton.	Havana seed leaf tobacco. 48	898. Thones, K. B., Orfordville.	Havana seed leaf tobacco. 48
878a. Schroeder, Fred, Town Center.	Havana seed leaf tobacco. 48	899. Thorsquaard, L., Springville.	Havana seed leaf tobacco. 48
878b. Seigmann, A., Schleisingerville.	Canary seed. 47	900. Thorstonson, Helick, Christiana.	Havana seed leaf tobacco. 48
879. Severson, Jens, Burke.	Havana seed leaf tobacco. 48	901. Tisberg, K. H., Deerfield.	Havana seed leaf tobacco. 48
879a. Severson, O., Rutland.	Havana seed leaf tobacco. 48	902. Tisberg, O. K., Pleasant Springs.	Havana seed leaf tobacco. 48
880. Sherman, E., Madison.	Havana seed leaf tobacco. 48	903. Tointon, J. B., Edgerton.	Havana seed leaf tobacco. 48
881. Simonson, Ole, Pleasant Springs.	Havana seed leaf tobacco. 48	904. Usher, Ole, Deerfield.	Havana seed leaf tobacco. 48
881a. Skoag, C., Westby.	Havana seed leaf tobacco. 48	905. Utter, Dave, Rutland.	Havana seed leaf tobacco. 48
883. Smith, Anamas, Viroqua.	Havana seed leaf tobacco. 48	906. Wack, Jacob, Liberty Pole.	Havana seed leaf tobacco. 48
884. Smith, Jac., Madison.	Havana seed leaf tobacco. 48	907. Wangen, Y., Westby.	Havana seed leaf tobacco. 48
884a. Smithack, Ole, Christiania.	Havana seed leaf tobacco. 48	907a. Westram, A. G., Lodi.	Havana seed leaf tobacco. 48
885. Snyder, J. T., Center.	Havana seed leaf tobacco. 48	908. Westram, A. S., Windsor.	Havana seed leaf tobacco. 48
886. Solverson, Peter, Liberty Pole.	Havana seed leaf tobacco. 48	909. Williams, W. C., Liberty Pole.	Havana seed leaf tobacco. 48
887. Sorenson, Knud, Medina.	Havana seed leaf tobacco. 48	909a. Zickert, Christ, Town Center.	Havana seed wrappers and binders. 48
888. Soverhill & Porter, Janesville.	Havana seed leaf tobacco. 48		
889. Starks, Ole, Stoughton.	Havana seed leaf tobacco. 48		
890. Stevenson, A., Cambridge.	Havana seed leaf tobacco. 48		
890a. Strucksniss, O., Westby.	Havana seed leaf tobacco. 48		
891. Strundbreg, Nels, Westby.	Havana seed leaf tobacco. 48		
891a. Sussik, Tom, Oregon.	Caraway seed. 47		

## GROUP 9.

910. Brewger, Jacob, Clyman.	Wool. 60
911. Broughton, Arthur, Albany.	Wool. 60
912. Cunningham, D. N., Burlington.	Wool. 60
913. English Shire & Hackney Horse Co., Neillsville.	Wool. 60
914. Fox, A. O., Oregon.	Wool. 60
915. Gaines, J. W., Lowell.	Wool. 60
916. Harding, George, & Sons, Waukesha.	Wool. 60

## Fibres, Literature and Statistics, Fats, Oils, Etc., Forestry.

Exhibit No.	Class'n No.
916a. Jewell, N. M., Mineral Point. Wool.	60
917. Jones, D. B., Werner. Wool.	60
918. Jones, Samuel, Hustisford. Wool.	60
919. Kull, Andrew, Geneva Lake. Wool.	60
919a. McCumber, Chas., Burlington. Wool.	60
920. McKerrow, George, Sussex. Wool.	60
920a. Mills, R. H., Palmyra. Wool.	60
920b. Murdock, S., Troy Center. Wool.	60
921. Payne, J. C., Prairie du Sac. Wool.	60
922. Phelps, C. K., Springfield. Wool.	60
923. Pitcher, J. H., Eagle. Wool.	60
924. Price, Hugh H., Black River Falls. Wool.	60
925. Weaver, E. W., Sussex. Wool.	60
926. White, Alexander, Fulton. Wool.	60
927. White, Charles, Fulton. Wool.	60
928. Wisconsin Agricultural & Experimental Station, Madison. Wool.	60

## GROUP 15.

929. Moore, Willis, L., Milwaukee. Wisconsin weather service statistics.	83
930. Wisconsin State Commission. Statistics of Wisconsin farm lands and photographs of farm buildings.	83

## GROUP 18.

931. Adams, Frank, Paris. Flax seed.	95
932. Bauer, Joseph, West Bend. Flax seed.	95
933. Baumach, Henry, Ridgeville. Flax seed.	95
933a. Buch, Gottlieb, Cedarburg.* Flax seed.	95
934. Cussik, Tom, Oregon. Flax seed.	95
935. Detlaff, Augusta, Alaska. Flax seed.	95
936. Getgen, N., Manitowoc. Flax seed.	95
936a. Halpin, Thomas, Cedarburg. Flax seed.	95
937. Herrick, T. J., Horicon. Rape seed.	95
937a. Kohlway, F., Cedarburg. Flax seed.	95
938. Link, John, Menominee. Flax seed.	95
939. Loomis, J. C., Alma. Flax seed.	95

Exhibit No.	Class'n No.
940. Mathews, Dan, Shullsburg. Flax seed.	95
940a. Nickel, Daniel, Waupaca. Flax seed.	95
941. Norris, John, Viroqua. Flax seed.	95
942. Pound, Samuel, Indian Ford. Flax seed.	95
943. Roberts, F. W., Woodworth. Flax seed.	95
944. Schroeter, Gustav, Grafton. Flax seed.	95
945. Shall, William, North Freedom. Flax seed.	95
946. Stevenson, Mose, Waldwick. Flax seed.	95
947. Stier, Carl, New Holstein. Rape seed.	95
948. West, H. P., Fayetteville. Flax seed.	95
949. Wickel, Daniel, Waupaca. Flax seed.	95
950. Winkle, Henry, Portage. Flax seed.	95

## Exhibits Classed in other Departments but Installed in This.

## DEPARTMENT N.

## Forestry, Forest Products.

951. Galligan, E., Langlade. Silver birch, balsam, fir, and hemlock spruce.	99
952. Iron River Lumber Co., Iron River. Norway pine.	99
953. Richardson Bros., Sheboygan Falls. White oak, red oak, blue oak, hard maple, soft maple, hickory, cherry, basswood, white ash, black ash, beech, and bird's eye maple.	99
954. Smith, John, Melrose. Red cedar.	99
955. Timmer, I., New Holstein. Bitternut hickory.	99
956. Webster Manufacturing Co., South Superior. Yellow birch, curly birch, red birch, bird's eye maple, red oak, poplar, basswood, red cherry, white oak, white ash, and soft elm.	99

## WYOMING.

## LOCATION—SEC. C.—S. E. QUARTER.

## Cereals, Grasses, Root Crops, Farm Products, Fibres.

GROUP 1.					
Exhibit No.		Class'n No.	Exhibit No.		Class'n No.
1.	Brown, William, Big Horn.		8.	McCormick, John, Sheridan.	
	<i>a</i> Wheat.	1		<i>a</i> Wheat.	3
	<i>b</i> Corn.	2		<i>b</i> Oats.	4
	<i>c</i> Oats.	3		<i>c</i> Barley.	5
2.	Dickinson, Leroy.			<i>d</i> Rye.	6
	<i>a</i> Wheat.	1	9.	Milne, John, Casper.	
	<i>b</i> Oats.	3		<i>a</i> Wheat.	1
3.	Gordon, John H., South Bend.			<i>b</i> Corn.	2
	<i>a</i> Wheat.	1		<i>c</i> Oats.	3
	<i>b</i> Corn.	2	10.	Sonneberger, M. A., Buffalo.	
	<i>c</i> Oats.	3		<i>a</i> Wheat.	1
	<i>d</i> Barley.	4		<i>b</i> Oats.	3
4.	Johnston, M. R., Wheatland.			<i>c</i> Barley.	4
	<i>a</i> Wheat.	1		<i>d</i> Rye.	5
	<i>b</i> Corn.	2	11.	State Experimental Farm, Saratoga.	
	<i>c</i> Oats.	3		<i>a</i> Wheat.	1
	<i>d</i> Barley.	4		<i>b</i> Oats.	3
	<i>e</i> Rye.	5		<i>c</i> Barley.	4
	<i>f</i> Buckwheat.	7		<i>d</i> Rye.	5
	<i>g</i> Timothy, millet, etc.	8	12.	Ward, J. P., Crook County.	
	<i>h</i> Alfalfa, clover.	9		<i>a</i> Wheat.	1
5.	Lambrigger, A. A., Sheridan.			<i>b</i> Millet.	8
	<i>a</i> Wheat.	1	13.	Williams, Richard, Crook County.	
	<i>b</i> Corn.	2		<i>a</i> Wheat.	1
	<i>c</i> Oats.	3		<i>b</i> Oats.	3
	<i>d</i> Barley.	4		<i>c</i> Rye.	5
	<i>e</i> Rye.	5	GROUP 4.		
	<i>f</i> Buckwheat.	7	14.	Entulorlhn, Gustav. Potatoes.	28
	<i>g</i> Millet and other grasses.	8	GROUP 5.		
	<i>h</i> Clover, alfalfa.	9	15.	Johnson, M. R., Wheatland. Pease and beans.	32
6.	Laramie Experimental Farm, Laramie.		16.	Lambrigger, A. A., Sheridan. Beans and pease.	32
	<i>a</i> Wheat.	1	GROUP 9.		
	<i>b</i> Oats.	3	17.	Johnston, M. R., Wheatland. Flax.	59
	<i>c</i> Barley.	4	18.	Laramie Experimental Farm, Laramie. Flax.	59
	<i>d</i> Rye.	5			
	<i>e</i> Buckwheat.	7			
	<i>f</i> Alfalfa.	9			
7.	Lee, William, Saratoga. Oats.	3			

## ALGERIA.

## LOCATION—SEC. A.

## Cereals, Forage Plants, Bread, Products of the Farm, Vegetable Substances.

## GROUP 1.

Exhibit No.	Class'n No.
1. Caillat, Edmond, Boufarik.	
a Wheat.	1
b Corn.	2
c Oats.	3
d Barley.	4
e Alfalfa.	9
f Flour, meal, etc.	11
2. Carrafang Freres, Mascara.	
a Wheat.	1
b Barley.	4
c Flour, meal, etc.	11
3. Chollet, E. E. & A., Ain-Arnat.	
a Wheat.	1
b Barley.	4
4. Comice agricole (Agricultural Society), Bougie.	
a Wheat.	1
b Oats.	3
c Barley.	4
5. Compagnie Genevoise des Colonies Suisses, Setif.	
a Wheat.	1
b Barley.	4
6. Deyries, Bougie.	
a Wheat.	1
b Barley.	4
7. Durand, M., Berronaghia. Wheat.	1
8. Giraud, Lezin, Blida.	
a Wheat.	1
b Oats.	3
c Barley.	4
d Flour, meal, etc.	11
9. Jourdan Freres, Affreville.	
a Wheat.	1
b Oats.	3
c Barley.	4
10. Lavie & Co., Alfred, Constantine. Flour, meal, etc.	11
11. Narbonne, Louis, Hussein-Dey.	
a Wheat.	1
b Flour, meal, etc.	11
12. Ollivier Leutenegger & Co., Tizi-ouzon. Flour, meal, etc.	11
13. Sost, Berronaghia. Wheat.	1
14. Thomas & Pautard, Azazga. Wheat.	1
15. Trabut, Dr., Algiers. Wheat.	1

Exhibit No.	Class'n No.
16. Yahia Cherif Si Salah ben Sliman, Colbert.	
a Wheat.	1
b Barley.	4

## GROUP 2.

17. Caillat, Edmond, Boufarick. Semolino, etc.	15
18. Carrafang Freres, Mascara. Semolino, etc.	15
19. Debono & Sultana, Bone. Pastes of various kinds.	15
20. El Hachemi ben Si Lounis, Fort National. Starch producing cereals.	16
21. Giraud, Lezin, Blida.	
a Semolino.	15
b Starch producing cereals.	16
22. Lavie & Co., Constantine. Semolino.	15
23. Ollivier Leutenegger & Co., Tizi-Ouzou. Semolino.	15
24. Zurcher, Aime, Courbet. Starch producing cereals.	16

## GROUP 3.

25. Coquard, Emile, Algiers. Honey.	26
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## GROUP 5.

26. Caillat, Edmund, Boufarik. Peas and beans.	32
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## GROUP 8.

26a. Amoros, Pedro, Oran.	
a Manufactured tobacco.	51
b Cigars and cigarettes.	52
27. Bastos, J., Oran. Manufactured tobacco.	51
28. Chebat, Jacob, Algiers.	
a Manufactured tobacco.	51
b Cigarettes.	52
29. De Richepond, Count, Birtouta. Leaf tobacco.	48
30. El Hachemi ben Si Lounis, Fort National. Leaf tobacco.	48
31. Fernandez-Amor, G., Oran. Cigarettes.	52
32. Jobert, G., Mostaganem.	
a Manufactured tobacco.	51
b Cigarettes.	52

## Vegetable Substances, Fibres, Liquors, Statistics, Implements.

Exhibit No.	Class'n No.
33. Omar ben Smaia, Algiers.	
<i>a</i> Leaf tobacco.	48
<i>b</i> Smoking and chewing tobacco.	51
<i>c</i> Cigars and cigarettes.	52
34. Rey, Auguste, Mascara. Cigars and cigarettes.	52
35. Sabatier, Jerome, Tlemcen. Cigars and cigarettes.	52
36. Sanchez, D., fils, Oran. Cigarettes.	52
37. Yniesta, F., Oran.	
<i>a</i> Manufactured tobacco.	51
<i>b</i> Cigars and cigarettes.	52
38. Zurcher, Aime, Courbet. Leaf tobacco.	48

## GROUP 9.

39. Averseng, El Affroun. Vegetable fibres.	59
40. Baudin, Vve. Marie, Hydra El Biar. Cocoons; silk worms, etc.	61
41. Bergerie Nationale, Moudjebour. Fleece of sheep and Angora goats.	60
42. Borgeaud, Jules, Algiers. Vegetable fibres and alfa.	59
43. Boulang, Nemours. Vegetable fibres and alfa.	59
44. Boutonnet, E., Kerba. Vegetable fibres and alfa.	59
45. Brissonnet, Paulin, Algiers. Vegetable fibres and alfa.	59
46. Caillat, Edmond, Boufarik. Flax.	59
47. Carrafang Freres, Mascara. Alfa, esparto, etc.	59
48. Chamboulive, Algiers. Alfa and esparto.	59
49. Comice Agricole (Agricultural Society), Medea.	
<i>a</i> Literature on wool culture.	58
<i>b</i> Alfa.	59
<i>c</i> Wools.	60
50. Compagnie Algerienne, Jardin d'Essai, Hamma. Silk growing products.	61
51. Dumont, La Chiffa. Cocoons, spun silk, etc.	61
52. Galibert, Eugene, Constantine.	
<i>a</i> Alpiste fibre and seed.	59
<i>b</i> Debris of wool.	60
53. Giraud, Lezin, Blida. Alpiste fibres.	59
54. Jaubert, Dr., Aumale. Ergot de Diss.	59
55. Lakhdar ben Ammar, Colbert. Wool.	60
56. Sady, Leopold, Medea. Alfa and esparto.	59
57. Sturm, Oscar, Chebli. Vegetable fibre.	59
58. Tardieu, Louis, Colbert. Wool.	60

Exhibit No.	Class'n No.
59. Yahia Cherif ben Si Salah, Colbert. Wool.	
60. Yahia Cherif Si Salah ben Ammar, Colbert. Wool.	
61. Ziza, fils, Ch., Algiers. Wool.	

## GROUP 11.

62. Amoros, Pedro, Oran. Anisette.	6
63. Andre, Frederic, Oran. Quinine-wine and mandarin liqueur.	6
64. Barnaudet & Benejan, Bougie. Mandarin liqueur.	6
65. Boulan Vve. & Flandin Thoniel, Ciz. Ouzou. Cordials and assorted liqueurs.	6
66. Cartoux, Henri, Ouailis. Sweet wine cordial.	6
67. Charriere, J., Mustapha. Liqueurs.	6
68. Chatelain, A., Oran. Liqueurs.	6
69. Fallet, Ulrich, Medea. Sweet wine cordial.	6
70. Fayolle du Moustier, Oued-el-Alleug. Liqueurs and sweet wine cordial.	6
71. Gouzin, A., Bel Abbes. Liqueurs.	6
72. Gristi Freres, Medea. Aperient.	6
73. Jourdan Freres, Affreville. Alcohol and pure spirits.	6
74. Juglard, M. de, Boufarik. Cordial.	6
75. Metzi, Charles, Algiers. Aperient, La Bresilienne.	6
76. Michel, Hippolyte, Courbet. Sweet wine cordial.	6
77. Michelet & Pons Freres, Algiers. Mandarin liqueur.	6
78. Regler, M., Medea. Aperient, of wine of Medea.	6
79. Rouquet, Leon, Carnot. Sweet wine cordial.	6
80. Roquefort, Pierre, Renault. Sweet wine cordial.	6
81. Sabatier, Jerome, Tlemcen. Cordials and liqueurs.	6
82. Sintes, Joseph, Algiers. Aperient, Andienne.	6
83. Tete, Emile, Algiers. Cherry brandy, Guignolet.	6
84. Tournier, Joseph, El Kantour. Sweet wine cordial.	6

## GROUP 15.

85. Gouvernement general de l'Algerie. Algiers. Agricultural atlas, reports, etc.	83
86. Jaubert, Dr., Aumale. Statistics and report about Diss.	83

## GROUP 16.

87. Trusson, Jean, Algiers. Machines for sharpening farm tools and implements.	84
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## Animal Products, Fats, Oils, Viticulture.

## GROUP 17.

Exhibit No.		Class'n No.
88.	Altairac, Frederic, Algiers. Goat skins.	90
89.	Borgeaud, Jules, Algiers. Hides, etc.	90
90.	Boulang, Nemours. Goat skins.	90
91.	Galibert, Eugene, Constantine. Skins of goats, lambs, etc.	90
92.	Lassallas (Les successeurs de J. J.), Algiers. Goat skins.	90
93.	Lozes, Mme. Vve., Oran. Hides, horns, etc.	90
94.	Zizi, fils, Ch., Algiers. Skins.	90

## GROUP 18.

95.	Aderrhaman ben Mahmoud, Oued Amizour. Olive oil.	95
96.	Boulang, Nemours. Animal oils and fats.	94
97.	Capela, Joseph, Relizane. Olive oil.	95
98.	Claret, Chabet el Ameur. Olive oil.	95
99.	Comice Agricole (Agricultural Society), Bougie. Olive oil.	95
100.	Commune Mixte du Haut Sebaou, Azazga. Olive oil.	95
101.	Cognard, Emile, Algiers. Animal oils and fats.	94
102.	Cruves, Eugene, Algiers. Olive oil.	95
103.	Deyries, Bougie. Olive oil.	95
104.	El Hachemi ben Si Louais, Fort National. Olive oil.	95
105.	Finck, Charles, Palestro. Olive oil.	95
107.	Lavie, Alfred, & Co., Constantine. Olive oil.	95
108.	Olivier Leutenigger & Co., Tizi-Ouzou. Olive oil.	95
109.	Pelling, J., Algiers. Olive oil.	95
110.	Rey, F., Aumale. Olive oil.	95
111.	Richard, Auguste, Akbou. Olive oil.	95
112.	Sabatier, Jerome, Tiemcen. Olive oil.	95
113.	Sturm, Oscar, Chebli. Olive oil.	95
114.	Thomas et Pautard, Azazga. Olive oil.	95
115.	Tournier, Joseph, El Kantour. Animal oils and fats.	90
116.	Vialar, Baron de La Chiffa. Olive oil.	95
117.	Ziza, fils, Ch, Algiers. Olive oil.	95

Exhibits Classed in Other Departments but Installed in This.

## DEPARTMENT B.

## GROUP 20.

118.	Amory, Germain, Lodi. a White wine.	126
	b Red wine.	127

Exhibit No.		Class'n No.
119.	Ancey, Theodore, Dellys. a White wine.	126
	b Brandy.	131
120.	Andre, Frederic, Oran. a White wine.	126
	b Red wine.	127
	c Brandy.	131
121.	Bardoux, Keller, Oran. a Red wine.	127
	b Brandy.	131
122.	Besson, Perrault, La Reghaia. a White wine.	126
	b Red wine.	127
	c Brandy.	131
	d Sparkling wine.	129
123.	Billand, Pierre, Rouba. Red wine.	127
124.	Billand, Antoine, Vesoul Benain. a White wine.	126
	b Red wine.	127
125.	Bloch, N., Ain Bessem. Red wine.	127
126.	Bossion, G., Mustapha. a White wine.	126
	b Red wine.	127
	c Brandy.	131
127.	Bosquet, Henri, Ben Chicao. a White wine.	126
	b Red wine.	127
128.	Brimontier, A., Menerville. White wine, Muscat.	126
129.	Brunet, Damiette. a White wine.	126
	b Red wine.	127
130.	Boulard, Mme. Vve, & Flandin Thon-iel, Tizi Ouzou. a White wine.	126
	b Brandy.	131
131.	Capela, Joseph, Relizane. a White wine.	126
	b Red wine.	127
132.	Carette, Oran. a White wine.	126
	b Red wine.	127
	c Process of fermenting wines.	130
133.	Carbou & Chouillon, El K'seur. Brandy.	131
134.	Carboux, Henri, Crullis. Red wine.	127
135.	Cazaux, Emile, Medea. Red wine.	127
136.	Carrafang freres, Mascaa. a White wine.	126
	b Red wine.	127
	c Brandy.	131
137.	Chatain, Wilfrid, Colca. Red wine.	127

## Viticulture, Manufactured Products. Methods and Appliances.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
138.		156.	
Charvet, Camille, Castiglione.		Despaux, Ernest, Meurad.	
a White wine.	126	a White wine.	126
b Red wine.	127	b Red wine.	127
c Brandy.	131	157.	
139.		Despaux, Berrouaghia. Red wine.	127
Chaubard de Berenguier, Boufarick.			
Brandy.	131	158.	
140.		Desbois, L., Bouira. Red wine.	126
Chebat, Jacob, Alger. Red wine.	127	159.	
		Deyries, Bougie.	
141.		a White wine.	126
Chollet, E. E. & A., Ain-Arnat.	127	b Red wine.	127
Red wine.		160.	
142.		Dudouit, Anatole, Lourmel.	
Claret, Chabet el Aneur.		a White wine.	126
a White wine.	126	b Brandy.	131
b Red wine.	127	161.	
143.		Ducil, G. Huertas, L., Guessibah.	
Clement, Paul Emile, Doera.		a Dry white wine and Muscat doux.	126
a Dry white wine.	126		129
b Red wine.	127	b Sparkling wine.	131
144.		c Brandy.	131
Combier, Adolphe, Bertville.		162.	
a White wine.	126	Durand, Berrouaghia. Red wine.	127
b Red wine.	127	163.	
c Brandy.	131	D'Yerville, L. O., Djidjelli.	
145.		a White wine.	126
Cochez, E., Guyotville.		b Red wine.	127
a White wine.	126	c Brandy.	131
b Red wine.	127	164.	
c Brandy.	131	Ehremport, Alger.	
146.		a White wine.	126
Comice agricole, Bougie.		b Red wine.	127
a White wine.	126	c Brandy.	131
b Red wine.	127	165.	
c Brandy.	131	Fajolle du Moustier, One sel Alleng.	
147.		a White wine.	126
Compagnie Genevoise des Colonies		b Red wine.	127
Suisses, Setif.		c Brandy.	131
a White wine.	126	166.	
b Red wine.	127	Fallet, Ulrich, Medea.	
148.		a White wine.	126
Commune mixte du Haut Sebaon,		b Red wine.	127
Azazga.		c Brandy.	131
a White wine.	126	167.	
b Red wine.	127	Figarol & Co., Paul, Medea. Red wine.	127
149.		168.	
Convert, Jules, Guyotville.		Figarol, Simeon, Medea. Red wine.	127
a White wine.	126		
b Red wine.	127	169.	
c Brandy.	131	Finck, Charles, Palestro.	
150.		a Red wine.	127
Courgeon, Joseph, Guyotville.		b Brandy.	131
a Dry white wine and Muscat doux.	126	170.	
b Red wine.	127	Foy, Mme. Vve, Bertville.	
c Brandy.	131	a White wine.	126
151.		b Red wine.	127
Cuvellier, Lachapelle, Dely Brahim.		171.	
Red wine.	127	Gallieu, Desire Martel, Damremont.	
152.		Brandy.	131
Dauphin, La Reunion.		172.	
a White wine.	126	Gauch, Lion, Praria.	
b Red wine.	127	a White wine.	126
c Brandy.	131	b Red wine.	127
153.		173.	
Delage, Francois, Birkadem.	Red wine.	Geslin, Chabet el Amerer.	
	127	a White wine.	126
154.		b Red wine.	127
Demangeat, Berrouaghia.		174.	
a White wine.	126	Georges, Jean Baptiste, Damiette.	
b Red wine.	127	Red wine.	127
c Brandy.	131	175.	
155.		Girand, Lazin, Blida. Red wine.	127
Delabarre, Camille, Traria.		176.	
a White wine.	126	Gouzin, Aristide, Bel Abbas. White wine.	126
b Red wine.	127		

## Viticulture, Manufactured Products. Methods and Appliances.

Exhibit No.	Class's No.	Exhibit No.	Class's No.
177. Gristi Bros., Medea.		200. Lemestroff, Emile, Hassam ben Ali.	
a White wine and Muscat.	126	a White wine.	126
b Red wine.	127	b Red wine.	127
178. Gronier, Emile, Alger. Red wine.	127	201. Lefrancois, Em., La Reghaia. Red wine.	127
179. Gtatch, Hamman R'hira.		202. Levasseur, Jules, Miliana.	
a White wine.	126	a White wine.	126
b Red wine.	127	b Red wine.	127
c Brandy.	131	c Brandy.	131
180. Harland, Sr., Mustapha. White wine, Muscatel.	126	203. Lorrain, Alfred, Renault. White wine.	126
181. Hertogh & Co., El Ancer.		204. Loubeyre, Colea. Red wine.	127
a White wine.	126	205. Lozes, Paul, Oran.	
b Red wine.	127	a Red wine.	127
c Brandy.	131	b Brandy.	131
182. Hippolyte, Jean, Alger.		206. Maisonnasse, A., Tlemcen.	
a White wine.	126	a White wine.	126
b Red wine.	127	b Red wine.	127
183. Humieres, Comte d', Arba.		207. Mathiss, Lion, Mostaganem. White wine.	126
a Red wine.	127	208. Mayols, Berrouaghia. Red wine.	127
b Brandy.	131	209. Michel, R. Francisque, La Senia.	
184. Huron, Damiette. Red wine.	127	a White wine.	126
185. Klipfel, Auguste, Ain-Bessem. Red wine.	127	b Red wine.	127
186. Jourdan freres, M. & Ch., Affreville.		210. Michel, Hippolyte, Courbet. Red wine.	127
a Red wine.	127	211. Michelet & Pons Bros., Alger.	
b Brandy.	131	a White wine.	126
187. Jugard, de, Bonfarick.		b Red wine.	127
a White wine, Muscat.	126	c Sparkling wine.	129
b Brandy.	131	d Brandy.	131
188. Julien, Ain-Bessem.		212. Mirehouse, Henri, Thibarine.	
a White wine.	126	a White wine.	126
b Red wine.	127	b Red wine.	127
c Brandy.	131	c Brandy.	131
189. Lagarde, J., Port Guaydon. Red wine.	127	213. Misset, Medea.	
190. Lapostole, Medea.		a White wine.	126
a White wine.	126	b Red wine.	127
b Red wine.	127	214. Morand de la Genevraye, Orleansville. Red wine.	127
191. Lacroix, Paul, Medea.		215. Morteuil, Mme. Vve, Bel Abbes..	
a White wine.	126	a White wine.	126
b Red wine.	127	b Brandy.	131
192. Lansac, de, Mouzaiaville.		216. Mulsant-Perreau, Alger.	
a White wine.	126	a White wine.	126
b Red wine.	127	b Red wine.	127
193. Larousse, Prariah. White wine.	126	c Brandy.	131
194. Larousse, Vahi Jean, Drariah. Red wine.	127	217. Nicolas, Louis, Medea.	
195. Laurier, Francois, Ben Chicao. Red wine.	127	a White wine.	126
196. Larcelet, Mme. Vve, Medea. Red wine.	127	b Red wine.	127
197. Larcher, Owed Maras. Red wine.	127	c Sparkling wine.	129
198. Landry, Aime Francois, Marengo. Red wine.	127	d Brandy.	131
199. Lebarriere, Eugene, Lambese.		218. Neustrasie, Hassen ben Ali. Red wine.	127
a White wine.	126	219. Olivier-Lecq, La Reghaia. Red wine.	127
b Red wine.	127	220. Ollivier, Leutenegger & Co., Tizi-Ouzon. White wine.	126

## Viticulture, Manufactured Products. Methods and Appliances.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
221. Orphelinat protestant agricole, Dely-Brahim.		239. Roquefort, Pierre, Renaud.	
a White wine.	126	a White wine.	126
b Red wine.	127	b Red wine.	127
c Brandy.	181	c Brandy.	181
222. Oustric, C., Hamman Righa.	Red	240. Ryf, G., Setif.	
wine.	127	a White wine.	126
223. Oustry, Frederic, Dra-el-Mizan.	Red	b Red wine.	127
wine.	127	241. Sabatier, Jerome, Tlemcen.	
224. Paoli, J. L., Bonira.		a Red wine.	127
a Red wine.	127	b Brandy.	181
b Brandy.	181	242. Sady, Leopold, Medea.	
225. Pardies, Raphael, Saida.		a White wine.	126
a White wine.	126	b Red wine.	127
b Red wine.	127	243. Saint Pierre, Paul, Tizi-Ouzou.	Red
226. Pavie & Cie, Alger.	Brandy.	wine.	127
227. Portes, E., El Biar.		244. Sardou, Amouchas.	
a White wine.	126	a White wine.	126
b Brandy.	181	b Red wine.	127
228. Prestat, Georges, Oran.		245. Saur, Jean, Hassem-ben Ali.	Red
a White wine.	126	wine.	127
b Red wine.	127	246. Schmidt, Lourmel.	White wine.
c Sparkling wine.	129	247. Schneider-Delaluxiere, Mustapha.	
d Brandy.	181	a White wine.	126
229. Pujo, Mme., Alger.		b Red wine.	127
a White wine.	126	248. Silvestre, Damiette.	
b Red wine.	127	a White wine.	126
230. Quesquerry, B., Miliana.		b Red wine.	127
a White wine.	126	249. Societe Anonyme de la grand fine	
b Red wine.	127	Metidja, Benri Mered.	Brandy.
c Brandy.	181	250. Societe agricole et industrielle du	
231. Reboul de la Coste, Ain-Bessem.	Red wine.	Sud Algerie, Biskra.	Date brandy.
232. Regler, M., Medea.		251. Sost, Berrouaghia.	
a White wine.	126	a White wine.	126
b Red wine.	127	b Red wine.	127
c Brandy.	181	252. Soualhat, P. de, Margueritte.	Red
233. Reverchon, Louis, Birkadem.		wine.	127
a White wine.	126	253. Sturm, Oscar, Chibli.	
b Red wine.	127	a White wine.	126
234. Rey, F., Aumale.		b Red wine.	127
a White wine.	126	c Brandy.	181
b Red wine.	127	254. Sultan, Saul d'Tchouan, Medea.	Red
c Brandy.	181	wine.	127
235. Rey, Francois, Bouzarea.		255. Tete, Emile, Alger.	
a White wine.	126	a Sparkling wine.	129
b Red wine.	127	b Brandy.	181
236. Richardat, Mme. Vve, Ben Chicao.	Red wine.	256. Tisserand, Hassen ben Ali.	Red
237. Richemond, Comte de, Birtonta.		wine.	127
a White wine.	126	257. Thomas, Joseph, Guelma.	
b Red wine.	127	a Red wine.	127
238. Ronquet, Lion, Carnot.		b Brandy.	181
a White wine.	126	258. Thomas & Pautard, Azazga.	Red
b Red wine.	127	wine.	127
c Brandy.	181	259. Tournier, Joseph, El Kantour.	
		a White wine.	126
		b Red wine.	127
		c Brandy.	181
		260. Tyssandier d'Escous, A., Miliana.	Red wine.
			127

## Viticulture, Pomology, Mining, Machinery, Manufactures.

Exhibit No.	Class'n No.
261. Tzard, Jean, Lodi.	
a White wine.	126
b Red wine.	127
262. Velon, freres et Cie., Hamman R'hira.	
Red wine.	127
263. Virolland, Chabet el Ameur.	Red wine. 127
264. Wilson, Ch., Castiglione.	
a White wine.	126
b Red wine.	127
265. Zurcher, Aime, Courbet.	
a White wine.	126
b Red wine.	127
c Brandy.	131

## GROUP 21.

266. Chatelain, Armand, Oran.	Currant conserves.	141
267.	Comice agricole, Bougie. Olives.	145
268.	Commune mixte du Haut Sebaon, Azaga. Figs.	135
269.	El Hachemi Ben Si Lounis. Figs.	139
270.	Hertogh & Cie., El Ancor. Vinegar.	143
271.	Liza fils, Ch., Alger. Figs and dates.	139
272.	Societe agricole industrielle du Sud Algerie, Biska. Dates.	139

## GROUP 23.

273. Chatelain, Armand, Oran.	Green peas.	172
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## GROUP 24.

274.	Compagnie Algerienne, Jardin d'essai, Hamma. Collection of seeds, etc.	180
275.	Vialar, Baron de, La Chiffa. Orange and mandarin peel.	184

## GROUP 25.

276.	Compagnie Algerienne, Jardin d'essai, Hamma. Living plants, palms, etc.	185
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## DEPARTMENT C.

## GROUP 34.

277.	Compagnie Algerienne, Jardin d'essai, Hamma. Products of the ostrich.	232
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## DEPARTMENT D.

## GROUP 40.

278.	Dion, G., Tenes. Sardines in oil.	272
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## DEPARTMENT E.

## GROUP 42.

279.	Gouvernement General de l'Algeria, Algiers. Ores and minerals.	290
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## GROUP 44.

Exhibit No.	Class'n No.
280. Campagne des Marbreries de Guelma, Guelma. Marble.	296
281. Vagne, Joseph, Constantine. Marble and granite.	

## GROUP 47.

282.	Vague, Joseph, Constantine.	
a	Lime and cement.	309
b	Plaster.	313

## DEPARTMENT F.

## GROUP 69.

283.	Fayet, Edouard, Mostaganem. Water filter, apparatus for lifting water.	417
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## DEPARTMENT G.

## GROUP 85.

284.	Russo & Camillerie, Collo. Life saving buoys, belts, etc.	534
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## DEPARTMENT H.

## GROUP 87.

285.	Baranes, Algiers. Oriental perfumery.	549
286.	Borgeaud, Jules, Algiers. Geranium essence.	549
287.	Carette, Oran. Geranium essence.	549
288.	Court, Louis, Setif. Pills, etc.	547
289.	Gallin, M. D., Damremont. Geranium essence.	549
290.	Pellet, El, Kantour.	
a	Pharmaceutical preparations.	547
b	Perfumery, etc.	549
291.	Sturm, Oscar, Chebli. Essence of eucalyptus.	549
292.	Sulpice, Mme. M. L., Mustapha. Perfumery.	549
293.	Trottier Freres, Algiers. Essence of eucalyptus.	549

## GROUP 89.

294.	Metzi, Charles, Algiers. Artistic work in card-board, etc.	557
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## GROUP 90.

295.	Omar ben Smaia, Algiers. Painted and gilded Arab mirror-frame.	569
296.	Pincemy, Oran. Inlaid chest.	567

## GROUP 91.

297.	Pierrot, Alice, Mlle., Mustapha. Decorated plate.	577
298.	Pierrot, Mlle. Marthe, Agha-Alger. Oriental cachepot, etc.	575
299.	Soupireau, Mustapha. Two panels.	579

## Manufactures, Electricity, Liberal Arts, Forestry.

## GROUP 98.

Exhibit No.	Class'n No.
300. Marchand, Frederic, Oran. works.	Artistic 585
301. Palanque, Mostaganem. works.	Artistic 585

## GROUP 96.

302. Ahmed Saïd ben Mihoub, Ighil Ali. Objects of sculptured wood.	
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## GROUP 97.

303. Bou Sâad ou Arab, Fort National. Kabylé objects of German silver.	611
304. Mohammed ben Taleb, Aït Thasen. Native jewelry.	604

## GROUP 98.

305. Baranes, Algiers. Oriental jewelry.	616
306. El Hachemi ben Si Lounis, Fort National. Oriental jewelry.	616
307. Hassoun, Eliaou, Constantine. Onyx jewelry, in gilded, enameled and carved silver.	614

## GROUP 103.

308. Boronat, Vicenta, Oran. Velvet counterpane.	649
309. Borgeand, Lucien, Alger. Carpets.	649
310. Eskenazi, Moise, Alger. Embroidered rugs.	649
311. El Hachemi ben Si Lounis, Fort National. Native fabrics.	640

## GROUP 104.

312. Santoni, Jules, Alger. Military clothing, equipments and manikins.	652
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## GROUP 109.

313. Amaoua, Alger. European shoes, etc.	683
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## GROUP 118.

314. Baranes, Alger.	
a Arabian rifles, pistols, etc.	714
b Arabian poignards and sabres.	717

## GROUP 121.

315. Societe Caussemille Jeune & Cie., Roche & Cie, Algiers. Matches.	
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## DEPARTMENT J.

## GROUP 122.

316. Bertrand, Z., Maison-Caree. Generator of electricity without motive power.	758
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## DEPARTMENT L.

## GROUP 147.

Exhibit No.	Class'n No.
317. Tete, Emile, Alger. Window fastenings and casements.	827

## GROUP 149.

318. Capedevielle, Urbain, La Reunion. Primary work of common-school children.	842
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## GROUP 150.

319. Berard, Blida. Reports of charitable institutions of Algeria.	918
320. Gouvernement General de l'Algerie, Alger.	
a Official publications.	863
b Topographical maps, etc.	864
321. Jourdan, A., Alger.	
a Books and pamphlets in French Arabic, Hebrew, etc.	854
b Maps and plans of Algiers and Algeria.	864

## GROUP 154.

322. Gouvernement Peneral de l'Algerie, Alger. Commercial statistics.	895
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## DEPARTMENT N.

## GROUP 19.

323. Borgeaud, Jules, Algiers.	
a Cork.	104
b Wood for canes, umbrella handles, etc.	112
c Oak-bark.	117
324. Comice agricole (Agricultural Society) Bougie.	
a Forest products.	99
b Corks.	104
325. Craves, Eugene, Algiers. Corks.	104
326. Gillibert, L., & Cie, Mustapha. Woods for canes, umbrella handles, etc.	112
327. Giraud, Lezin, Blida. Corks.	104
328. Gouvernement general de l'Algerie, Algiers. Botanical collection of Algerian woods.	99
329. Lassallas, Les, successeurs de J. J., Algiers. Cork.	104
330. Marill & Laverny, Algiers. Cork-wood, corks, etc.	104
331. Rebattu, Amedee, Oued-Soudan. Cork.	104
332. Russo & Camillerie, Collo. Cork.	104
333. Thomas & Pantard, Azaza. Cork.	104
334. Ziza, Fils, Ch., Algiers. Oak-bark.	117

# ARGENTINE REPUBLIC.

LOCATION—SEC. B.—N. W. QUARTER.

## Cereals, Grasses and Forage Plants.

### GROUP 1.

Exhibit No.	Class'n No.
1. Abelleira, N., Canelas, Buenos Ayres. Wheat.	1
1a. Acevedo, Ramos, Buenos Ayres. Wheat.	1
2. Aguiar, Deriderio, San Juan. Wheat.	1
3. Albantay, P., Colony, Rafaela, Santa Fe. Wheat.	1
4. Alfaro, N., Canelas, Buenos Ayres. Corn.	2
5. Alfredo, Miguel, Mar del Plata, Buenos Ayres. Wheat.	1
7. Alleri, Ant., La Colina. Wheat.	1
8. Alomar & Hijos, Bragado, Buenos Ayres. Wheat.	1
9a. Alonso, Alfredo, Alberti, Buenos Ayres. Wheat.	1
b Corn.	2
9. Alonso, A., Rodriguez, Buenos Ayres. Corn.	2
10. Alonso & Co., 3 Arroyos, Buenos Ayres. Wheat.	1
b Corn.	2
11. Alsina, F. A., Zarate, Buenos Ayres. Wheat.	1
b Corn.	2
c Barley for beer.	4
d Rye.	5
12. Alston, Juan, Depto 30, Buenos Ayres. Wheat.	1
13. Altgelt & Co., Sauce Corto, Buenos Ayres. Wheat.	1
14. Alvarez, Chivilcoy, Buenos Ayres. Rye.	5
15. Alvarez, D., Posadas, Misiones. Corn meal.	11
16. Alvear, A., Rojas, Buenos Ayres. Corn.	2
17. Alvear, C. F. de, Chacabuco, Buenos Ayres. Wheat.	1
b Corn.	2
c Rye.	5
18. Amade, N., 9 de Julio, Buenos Ayres. Wheat.	1
19. Amade y G., 9 de Julio, Buenos Ayres. Corn.	2

Exhibit No.	Class'n No.
20. Amadeo, S., 9 de Julio, Buenos Ayres. Wheat.	1
21. Amorelli, Cap., Sarmiento, Buenos Ayres. Corn.	2
22. Amuele, J., 9 de Julio, Buenos Ayres. Wheat.	1
23. Andiaarena, D., Lujan, Buenos Ayres. Corn.	2
24. Andrew & Labro, Cordoba. a Wheat.	1
b Corn.	2
25. Angaut, Juan, Zarate, Buenos Ayres. a Wheat.	1
b Corn.	2
c Barley for beer.	4
d Bird seed.	7
26. Antiello, Olascoaga, Buenos Ayres. Wheat.	1
27. Apellani, V. de, Ayacucho, Buenos Ayres. Corn.	2
28. Apellaniz, Viuda, Trenque Lauquen, Buenos Ayres. Wheat.	1
29. Arana, Tandil, Buenos Ayres. Wheat.	1
30. Arbuco & Co., Azul, Buenos Ayres. Oats.	3
31. Arcozen, N., Roca, Buenos Ayres. Wheat.	1
32. Arcozen & Co., O'Higgins, Buenos Ayres. a Wheat.	1
b Bird seed.	7
33. Argerich, T. M., S. Nicolas, Buenos Ayres. a Corn.	2
b Barley for coffee.	4
c Rye.	5
d Bird seed.	7
34. Arias, Luis E., Azul, Buenos Ayres. a Wheat.	1
b Corn.	2
34a. Arles, G., Buenos Ayres. Wheat.	1
35. Arade, N., 9 de Julio, Buenos Ayres. Wheat.	1
36. Arnoldo, Bragado, Buenos Ayres. Corn.	2
37. Arrayagacay, Chacabuco, Buenos Ayres. Wheat.	1

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
38. Arrondo, Jose, Parana, Entre Rios.	1	61. Basavilbaso, R., Buenos Ayres.	1
Wheat and wheat flour.	1	a Wheat.	1
39. Articino, Chacabuco, Buenos Ayres.	2	b Corn.	1
Corn.	2	62. Bassini, General, Hornos, Buenos Ayres.	1
39a. Artexano, Buenos Ayres.	1	Wheat.	1
40. Artessiano, Chacabuco.	2	63. Bataglia, I., Chacabuco, Buenos Ayres.	1
41. Astoul, Chivilcoy, Buenos Ayres.	2	Corn.	1
Corn.	2	64. Batista, G., Gowland, Buenos Ayres.	1
42. Avanthay, P., Colonia Rafaela, Santa Fe.	11	Corn.	1
Wheat flour.	11	65. Bauer & Sigel, San Carlos Sud, Santa Fe.	1
43. Avendano, Chacabuco, Buenos Ayres.	1	a Wheat.	1
a Wheat.	1	b Wheat flour.	11
b Corn.	2	66. Bausson & Hermanos, Ayacucho, Buenos Ayres.	1
44. Avila, B., General Rodriguez, Buenos Ayres.	1	Wheat.	1
a Wheat.	1	67. Belando, E., Pilar, Buenos Ayres.	1
b Corn.	2	Corn.	1
45. Ayarragaray & Co., Pourtale, Buenos Ayres.	1	68. Belando, E., Samiento, Buenos Ayres.	1
a Wheat.	1	Corn.	1
b Corn.	2	69. Belmar, Bancalari, Buenos Ayres.	1
46. Bacaro, S., Eston, Chas., Buenos Ayres.	2	Wheat.	1
Corn.	2	70. Belando, N., Bragado, Buenos Ayres.	1
47. Bacigalupo Hnos., Olavarria, Buenos Ayres.	1	Wheat.	1
Wheat.	1	70a. Bellmann, Pedro, Villa Urquiza, Entre Rios.	1
47a. Bacigalupo, Velarde hijo, Buenos Ayres.	1	Wheat.	1
Wheat.	1	71. Belloc & Co., Olavarria, Buenos Ayres.	1
48. Bacigalupo, Manuel & Hijo, Buenos Ayres.	11	Wheat.	1
Wheat flour.	11	72. Bellocq & Durañona, Olavarria, Buenos Ayres.	1
48a. Bahner, Buenos Ayres.	1	Wheat.	1
49. Balbiani & Co., Buenos Ayres.	1	73. Bemberg, O., & Co., Passo, Buenos Ayres.	1
Wheat.	1	a Wheat.	1
50. Baldez, Gmo., 25 de Mayo, Buenos Ayres.	1	b Corn.	2
Wheat.	1	74. Benavente, Chacabuco, Buenos Ayres.	1
51. Ballesteros, Juan, Lobos, Buenos Ayres.	1	Wheat.	1
a Wheat.	1	76. Benites, Hnos., Estacion Benites, Buenos Ayres.	1
b Corn.	2	a Wheat.	1
52. Balestrassa, U., San Antonio, Buenos Ayres.	2	b Corn.	2
Corn.	2	77. Benoccio, N., Roca, Buenos Ayres.	1
53. Ballestini, J., Colonia Casares, Buenos Ayres.	11	Wheat.	1
Wheat flour.	11	78. Benvenuto & Co., Zarate, Buenos Ayres.	1
54. Balleto, N., Saladillo, Buenos Ayres.	1	Wheat.	1
Wheat.	1	79. Berazzo, D., Colony Rafaela, Santa Fe.	1
54a. Ballhorst, F., Villa Urquiza, Entre Rios.	1	Wheat.	1
Wheat.	1	80. Berris, Hermanos, Colonia Franck, Santa Fe.	11
55. Balser, S., French.	1	Wheat flour.	11
56. Balviani, Trenque Lauquen, Buenos Ayres.	1	81. Bertram, E., Azcuenega, Buenos Ayres.	1
Wheat.	1	Wheat.	1
57. Bancalari, M., Alfalfa, Buenos Ayres.	1	82. Bertram, Gmo., Pihue, Buenos Ayres.	1
Wheat.	1	Wheat.	1
58. Bancalari, M., Buenos Ayres.	11	83. Berutti, Ia., Junta, Buenos Ayres.	1
Wheat flour.	11	Wheat.	1
58a. Barrutti, Buenos Ayres.	1	84. Berzone & Co., Coronda, Santa Fe.	11
Wheat.	1	Wheat flour.	11
59. Barrean, E., La Capilla, Buenos Ayres.	1	85. Bethomien, Chivilcoy, Buenos Ayres.	2
Wheat.	1	Corn.	2
59a. Barroyo, Buenos Ayres.	1	85a. Beurein, R., Buenos Ayres.	1
Wheat.	1	Wheat.	1
60. Barzan, O., Avellaneda, Buenos Ayres.	2		
Corn.	2		

Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.
86. Bibolan, M., Gonzales Chaves, Buenos Ayres. Wheat.	1
87. Blecker, L., & Co., Diamante, Entre Rios. Wheat.	1
88. Bohner, J., Villa Urquiza, Entre Rios. Wheat.	1
89. Bonade, R., San Pedro, Buenos Ayres. Corn.	2
90. Bonejo, Alberti, Buenos Ayres. Wheat.	1
91. Bonifacio, Enrique, 3 Arroyos, Buenos Ayres. a Wheat.	1
b Corn.	2
92. Bonorino, A., Chivilcoy, Buenos Ayres. Barley for beer.	4
93. Borchers, Zarate, Buenos Ayres. Rye.	5
94. Bordoy & Coll, Olavarria, Buenos Ayres. a Wheat.	1
b Corn.	2
c Barley for beer.	4
95. Bosch, Stoessel & Co., Colonia Esperanza, Santa Fe. Wheat flour.	11
96. Botini, Jose, Roque Perez, Buenos Ayres. Corn.	2
97. Brand, E., Azcuenega, Buenos Ayres. Wheat.	1
98. Brebbia, C., Candelaria, Santa Fe. Wheat.	1
99. Brestrup, B., Buenos Ayres. Rye.	5
100. Brestrup, Vald., 3 Arroyos, Buenos Ayres. a Wheat.	1
b Corn.	2
101. Brizuela, F., Bragado, Buenos Ayres. Corn.	2
102. Brizuela, M., Olascoaga, Buenos Ayres. Wheat.	1
103. Bruhl, R., & Co., Colonia Rafaela. Santa Fe. Wheat flour.	11
104. Bruke, R., & Co., Colonia Rafaela, Santa Fe. Wheat.	1
105. Brunt, B., Chubut. a Wheat.	1
b Barley for coffee.	4
106. Bruyo, C., 25 de Mayo, Buenos Ayres. Wheat.	1
107. Butti, E., Gonzales Chaves, Buenos Ayres. Wheat.	1
108. Butti, H., Necochea, Buenos Ayres. Wheat.	1
109. Caceres, M., Manantial, Tucuman. Decorated rice.	11
110. Cañals, Canuelas, Buenos Ayres. Wheat.	1
111. Calderon, Carlos, Casares, Buenos Ayres. Wheat.	1

Exhibit No.	Class'n No.
111. Calvo, P., Mercedes, Buenos Ayres. Corn.	2
112. Cambas, G. B., 25 de Mayo. Wheat.	1
113. Cambille, S., Bragado, Buenos Ayres. Corn.	2
114. Camet, S. P., Gonzales Chaves, Buenos Ayres. Wheat.	1
115. Campos, N., Casares, Buenos Ayres. Wheat.	1
116. Camisa, M., Gutierrez, Buenos Ayres. Wheat.	1
117. Campo, L., Casares, C., Buenos Ayres. Wheat.	1
117a. Camps, Leon, Canuelas, Buenos Ayres. Wheat.	1
118. Cañas, J., 9 de Julio, Buenos Ayres. Corn.	2
119. Candini, Chivilcoy, Buenos Ayres. Wheat.	1
120. Cané, B., Diamante, Entre Rios. Corn.	2
121. Capariela, Chivilcoy, Buenos Ayres. Wheat.	1
122. Capatava, J., 9 de Julio, Buenos Ayres. Wheat.	1
123. Capidimitelli, N., Chivilcoy. Wheat.	1
123a. Capelanon, Chacabuco, Buenos Ayres. Wheat.	1
123b. Capdeville y Cia, Buenos Ayres. Wheat.	1
124. Carabieri, N., Bragado, Buenos Ayres. Wheat.	1
125. Carbone, Lobos, Buenos Ayres. Corn.	2
126. Cargallo, R., Lujan, Buenos Ayres. Wheat.	1
127. Carica, C., Junin. Oats.	3
128. Carrara, H., la Junta, Buenos Ayres. Wheat.	1
129. Carreca, N., Junin, Buenos Ayres. Wheat.	1
130. Carreras, Rocha, Buenos Ayres. Barley.	4
131. Carricas, Roca, Buenos Ayres. Wheat.	1
132. Carrico, Chacabuco. Wheat.	1
133. Carrie, Roca, Buenos Ayres. Wheat.	1
134. Carril, Junin, Buenos Ayres. Wheat.	1
135. Cartellu, V., & Co., Coronel Pringles, Buenos Ayres. Wheat.	1
136. Carvello, Lujan, Buenos Ayres. Wheat.	1
136a. Cassallos, Olascoaga, Buenos Ayres. Wheat.	1

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
137. Casareto, C., Bragado, Buenos Ayres. Wheat.	1	160. Chizalde, P., 9 de Julio, Buenos Ayres. Wheat.	
138. Casella, A., Arroyo Corto, Buenos Ayres. Wheat.	1	161. Christio, Juan, Juarez, Buenos Ayres. Wheat.	
139. Caseres, M., Dto. Monteros, Tucuman. Wheat.	1	162. Chueco, Hermanos, Villa Emilia, Formosa. Corn.	
140. Casinelli, N., Olascoaga, Buenos Ayres. Wheat.	1	162a. Cibils Haos., Las Flores, Buenos Ayres. Corn.	
141. Castanos & Avendaño, Merlo, Buenos Ayres. Wheat.	1	163. Cifoni, Scipion, Guamini. Wheat.	
142. Castelli, N., Col., Salazar, Buenos Ayres. Wheat.	1	164. Cilley, Vernet J., La Plata, Buenos Ayres. Corn.	
143. Castellanos, C. Casares, Buenos Ayres. a Wheat. 1 b Barley for beer. 4		164a. Cintas, J., Chacabuco, Buenos Ayres. Wheat.	
144. Castrella, V., & Co., Sauce Corto, Buenos Ayres. Wheat.	1	165. Claverie, J., Chacabuco, Buenos Ayres. Corn.	
145. Cavalieri, N., Bragado, Buenos Ayres. Wheat.	1	166. Colonia, Salazar, Castelli, Buenos Ayres. Wheat.	
146. Cebilo Haos., Las Flores, Buenos Ayres. Corn.	2	166a. Coll y Bordoy, Hinojo. Buenos Ayres. Wheat.	
147. Ceonentino, V., 3 Arroyos, Buenos Ayres. Wheat.	1	167. Comision Auxiliar de la Pampa Central, Depto. 3. Wheat.	
148. Cerero, A., Chivilcoy, Buenos Ayres. Corn.	2	167a. Commission of San Juan. Wheat.	
149. Cernadas, Sixto, Chacabuco, Buenos Ayres. Wheat.	1	168. Cooles, A., Gorostiaga, Buenos Ayres. Corn.	
150. Cesarte, S., Rojas, Buenos Ayres. Wheat.	1	169. Copello, Arrecifes, Buenos Ayres. Barley.	
151. Cervetto, J., Mercedes, Buenos Ayres. Corn.	2	169a. Cortes, Gorostiaga, Buenos Ayres. Corn.	
151a. Chacerit, Trenque Lanquen, Buenos Ayres. Wheat.	1	170. Cortinas, Suipacha, Buenos Ayres. Wheat.	
152. Chamber of Commerce, 11 de Setiembre. Corn from the north, center and south of Buenos Ayres.	2	171. Cosentino, V., 3 Arroyos, Buenos Ayres. Wheat.	
153. Chamber of Commerce, 11 de Setiembre. Wheat from the north, center and south of the state of Buenos Ayres.	1	172. Coseo, Claveire & Co., Junin, Buenos Ayres. Corn.	
154. Chapetal, R., Dept. Rosario, Santa Fe. Wheat.	1	173. Cossutrino, W., 3 Arroyos, Buenos Ayres. Wheat.	
155. Chaveri, S., Azcuenega, Buenos Ayres. Corn.	2	174. Costa, J., Alberti, Buenos Ayres. Wheat.	
156. Chima, J., Gualaguay, Entre Rios. a Wheat. 1 b Corn. 2 c Barley. 4 d Rye. 5 e Bird seed. 7		175. Costa, S., Bragado, Buenos Ayres. Wheat.	
157. Chiclana, N., Vecino, Buenos Ayres. Corn.	2	176. Coustes, Juan, Las Martinetas, Buenos Ayres. Wheat.	
158. Chillado, Gonzales & Co., Junia, Buenos Ayres. a Wheat. 1 b Corn. 2		177. Covalion, M., Bragado, Buenos Ayres. Corn.	
159. Chillado, M., Hinojo, Buenos Ayres. Wheat.	1	178. Covres, L., Colina, Buenos Ayres. Wheat.	
		179. Creu, A., 9 de Julio, Buenos Ayres. Wheat.	
		180. Cuneo, Carlos, Keen, Buenos Ayres. Wheat.	
		181. Cueto, P., Navarro, Buenos Ayres. Wheat.	
		182. Cutiellos, F., Bragado, Buenos Ayres. Wheat.	
		184. Cuto, R., Arroyo Corto, Buenos Ayres. Wheat.	
		185. Dagnino, J. M., Goya, Corrientes. Corn.	

Cereals, Grasses and Forage Plants.

Exhibit No.	Class No.
186. Darrena, Pehuajo. Wheat.	1
187. Davies D. M., Chubut. Wheat.	1
188. Davis, Hnos, Chubut. Wheat.	1
189. Decasatis, Genl. Rodriguez, Buenos Ayres. Wheat.	1
190. Defferari, L., Vazquez, Buenos Ayres. Wheat.	1
191. Delino, Pena, Buenos Ayres. Barley.	4
192. Del Piano & Gottuzzo, Empedrado, Corrientes. Corn.	2
193. Del Piano, Lucas & Co., Molino Solis. Wheat flour.	11
193a. Demaria, Hermanos, Saladillo, Buenos Ayres. Corn.	2
194. Demarchi, Arrecifes, Buenos Ayres. Wheat.	1
195. Demichelis, Quilmes, Buenos Ayres. Barley.	4
196. Derpey, Rojas, Buenos Ayres. Bird seed.	7
197. Despay, Rojas. Rye.	5
198. Dessain, A., Mar del Plata. a Barley for beer.	4
b Rye.	5
c Bird seed.	7
199. Devicenci, Jose, Chivilcoy, Buenos Ayres. Wheat.	1
200. Devicenci & Co., Varela, Buenos Ayres. Wheat.	1
200a. Devicenci, Francisca, Buenos Ayres. Wheat.	1
201. Devoto, Balbiani & Co., Buenos Ayres. a Wheat.	1
b Corn.	2
c Oats.	8
d Barley for beer.	4
202. Diers, L., Azul, Buenos Ayres. Wheat flour.	11
203. Diaz, N., Saladillo, Buenos Ayres. Corn.	2
204. Diehl, Vogther & Co., San Pedro, Buenos Ayres. Corn.	2
205. Dierrari, N., Bragado, Buenos Ayres. Wheat.	1
207. Doe, John, Rosario, Santa Fe. Wheat flour.	11
208. Dominguez, D., Saladillo, Buenos Ayres. Corn.	2
209. Donda, Hermanos, Diamante, Entre Rios. Wheat.	1
210. Doriga, Jose Juarez, Buenos Ayres. Arroyos. Wheat.	1
211. Doriga, S., Vazquez, Buenos Ayres. Wheat.	1
212. Droz Bros., Colonia Esperanza, Santa Fe. Wheat flour.	11

Exhibit No.	Class No.
213. Drysdale, J., Estacion, Guanaco, Buenos Ayres. Wheat.	1
214. Ducho, C., Bragado, Buenos Ayres. Wheat.	1
215. Dufour, Formosa, Misiones. Rice.	6
216. Duggan Hnos, Las Rosas, Buenos Ayres. Wheat.	1
217. Ekell, E., Azul, Buenos Ayres. Corn.	2
218. Elia, H. de, Tandil, Buenos Ayres. Corn.	2
219. Elia, J., San Miguel, Buenos Ayres. Wheat.	1
220. Elizalde, J. de, 9 de Julio, Buenos Ayres. Wheat.	1
221. Elordi, J., Guanaco, Buenos Ayres. a Wheat.	1
b Corn.	2
222. Engel, R., Villa Urquiza, Entre Rios. Corn.	2
223. Exequiel Real de Azua, Chascomus, Buenos Ayres. Corn.	2
224. Errazquin, La Gama, Buenos Ayres. Wheat.	1
225. Errazquin & Co., Olavarria, Buenos Ayres. Wheat.	1
226. Esquivel, T., Mercedes, Buenos Ayres. Corn.	2
227. Estragan, Rawson, Buenos Ayres. Wheat.	1
228. Etchart, C., Rojas, Buenos Ayres. Wheat.	1
229. Etchart, R., Adolfo Alsina, Buenos Ayres. Wheat.	1
230. Etchepareborda, N., Bragado, Buenos Ayres. Wheat.	1
231. Etcheparte, J., Bragado, Buenos Ayres. a Wheat.	1
b Corn.	2
233. Etcheverry, Gorostiaga, Buenos Ayres. Wheat.	1
233a. Etkell, Ernesto, Azul, Buenos Ayres. Wheat.	1
234. Falomir, F. E., Depto. Io, Buenos Ayres. Barley.	4
235. Falomir, F. E., Depto. Io, Pampa Central. Wheat.	1
236. Famayo, J. C., Cachipampa. Rice.	6
237. Fanco, T., Jujuy. Rice.	6
238. Farni, A., Marcos Paz, Buenos Ayres. Corn.	2
239. Fernandez, E. P., Sulpacha, Buenos Ayres. Wheat.	1
240. Fernandez, F. M., Castilla, Buenos Ayres. Wheat.	1
241. Fernandez, H., Bragado, Buenos Ayres. Wheat.	1

## Cereals; Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
241a. Fernandez, Maximo, Buenos Ayres.		262. Gardey, Juan, Tandil, Buenos Ayres.	
Wheat.	1	Wheat.	
242. Fernandez, N., Bragado, Buenos Ayres.		263. Gargayo, Lujan, Buenos Ayres.	
a Wheat.	1	Wheat.	
b Corn.	2	264. Garre, E., Pehuajo, Buenos Ayres.	
242a. Ferro, N., Chivilcoy, Buenos Ayres.		Wheat.	
Wheat.	1	265. Garibaldi, A., Larrea, Buenos Ayres.	
243. Ferrer, R., Pigue, Buenos Ayres.		a Wheat.	
Wheat.	1	b Corn.	
244. Ferro, N., Chivilcoy, Buenos Ayres.		266. Gariboto, E., Lujan, Buenos Ayres.	
Wheat.	1	Corn.	
245. Flores, W., Las Heras, Buenos Ayres.		267. Gatti, Angel, Canada de Goya, Santa Fe.	
Wheat.	1	Wheat.	
246. Ferves, A., Chivilcoy, Buenos Ayres.		268. Gastoca, F., Saladillo, Buenos Ayres.	
Wheat.	1	Wheat.	
247. Fonnery, Chacabuco, Buenos Ayres.		269. Gaudolfi & Spinola, Alfalfa, Buenos Ayres.	
Wheat.	1	Wheat.	
248. Fontana, S., Alberti, Buenos Ayres.		270. Gaygua, S., San Antonio, Buenos Ayres.	
Corn.	2	Corn.	
249. Forello, Chacabuco, Buenos Ayres.		271. Genaud, Benvenuto & Co., Dugesi, Buenos Ayres.	
Wheat.	1	Corn and wheat.	
250. Fosso, S., Chivilcoy, Buenos Ayres.		272. Genareis, J. B., Pilar, Buenos Ayres.	
Wheat.	1	Wheat.	
251. Fremery, Carlos, Pehuajo, Buenos Ayres.		272a. Genaud, Martell y Cia, San Antonio, Buenos Ayres.	
Wheat.	1	Wheat.	
252. Frenicteri, N., Castelli, Buenos Ayres.		272b. Geneces y Baletos, Buenos Ayres.	
Wheat.	1	Wheat.	
252a. Frers, Julian, Buenos Ayres.		273. Genero Barbi, 9 de Julio, Buenos Ayres.	
a Wheat from the southern part of the state of Buenos Ayres.	1	Wheat.	
b Corn from the same.	2	273a. Geracio, J. B., Pilar, Buenos Ayres.	
253. Frey, T., Reconquista, Santa Fe.		Wheat.	
Corn.	2	274. Gervan, J., Castilla, Buenos Ayres.	
254. Fribarne, J. B., Tandil, Buenos Ayres.		Wheat.	
Wheat.	1	275. Ghiraldi, C., Chivilcoy, Buenos Ayres.	
255. Fruse, Baux & Co., Carlos Keen, Buenos Ayres.		Corn.	
Wheat.	1	276. Ghirardo, Saenz & Co., Bragado, Buenos Ayres.	
256. Funte & Co., Tornquist, Buenos Ayres.		Corn.	
Barley for beer.	4	277. Gil, Jose, Col. Yerua, Entre Rios.	
257. Galarce & Co., 25 de Mayo, Buenos Ayres.		Corn.	
Wheat.	1	278. Ginnochio & Podesta, 3 Arroyos, Buenos Ayres.	
258. Gallegos & Costa, Azul, Buenos Ayres.		Wheat.	
Corn.	2	279. Giraldo, Saenz & Co., Cambaceres, Buenos Ayres.	
258a. Gandolfi y Spinola, E. Alfalfa, Buenos Ayres.		Corn.	
Wheat.	1	280. Girola, Carlos D., Parana, Entre Rios.	
258b. Garbollo, S., Buenos Ayres.		a White corn.	
Wheat.	1	b Corn.	
258c. Garch, N., Chacabuco, Buenos Ayres.		c Wheat.	
Wheat.	1	281. Gobbe, Juan, Flo. Varela, Buenos Ayres.	
258d. Garcia, Soriano, Pringles, Buenos Ayres.		Wheat.	
Wheat.	1	281a. Gogna, S., San Antonio, Buenos Ayres.	
259. Garcia, S. R., Rojo, Buenos Ayres.		Wheat.	
Bird seed.	7	281b. Gonzales, Candido, Sinpacha, Buenos Ayres.	
260. Garcia, M., Moreno, Buenos Ayres.		Wheat.	
Corn.	2	282. Gonzales, C., Arenales, Buenos Ayres.	
261. Garcia, W., Chivilcoy, Buenos Ayres.		a Wheat.	
Wheat.	1	b Corn.	

Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
304. Gonzalez, Jose M., Tres Arroyos, Buenos Ayres. Wheat.	1	304. Isla, Bragado, Buenos Ayres. Wheat.	1
305. Gonzalez, M., Roque Perez, Buenos Ayres. Corn.	2	305. Iturri, M., Passo, Buenos Ayres. Wheat.	1
306. Gonzalez, G. M., 3 Arroyos, Buenos Ayres. Wheat.	1	306. Jalaya & Hnos., Ia. Junta, Buenos Ayres. Wheat.	1
307. Gonzalez & Co., Chacabuco, Buenos Ayres. Corn.	2	307. Jauregui, S., Jauregui, Buenos Ayres. Corn.	2
308. Gorostiaga, E., Bragado, Buenos Ayres. Wheat.	1	308. Johnalle, T., 9 de Julio, Buenos Ayres. Wheat.	1
309. Goyenechea, Bilbao & Co., Lobos, Buenos Ayres.		309. Jolly, A., Chivilcoy, Buenos Ayres.	
a Wheat.	1	a Wheat.	1
b Corn.	2	b Corn.	2
310. Grand, G., E-tacion Guanaco, Buenos Ayres. Wheat.	1	310. Julien, V., Chubut. Wheat flour.	11
311. Grapiolo, E., Sauce Corto, Buenos Ayres.		311. Kelsey, G., & Co., Junin, Buenos Ayres.	
a Wheat.	1	a Wheat.	1
b Barley for coffee.	4	b Corn.	2
c Rye.	5	312. Kelsy, Guillermo, Suipacha, Buenos Ayres. Corn.	2
d Bird seed.	7	312. Keen, Enrique, Buenos Ayres. Grasses.	8
313. Grieben, San Antonio, Buenos Ayres. Corn.	2	313. Klocker, A., Villa Urquiza, Entre Rios.	
314. Grievere, E., Pergamino, Buenos Ayres. Wheat.	1	a Wheat.	1
315. Guazzone, Jose, Lanas, Buenos Ayres. Wheat.	1	b Barley.	4
316. Guazzone, J., Olavarria, Buenos Ayres. Wheat.	1	314. Klocker, J., Villa Urquiza, Entre Rios. Wheat.	1
317. Guerrero, Zapiola, Buenos Ayres. Wheat.	1	316. Kreck, I., Tucuman. Corn meal.	11
318. Gut, J., Las Flores, Buenos Ayres. Corn.	2	317. Kreck, I., Empedrado, Corrientes. Corn.	2
319. Guizza, B., Posadas, Misiones. Corn meal.	11	318. Kuchem, T., Corrientes. Rice.	6
320. Gwyn, B., Chubut. Wheat flour.	11	319. Kunrow, T. C., Rauch, Buenos Ayres. Corn.	2
321. Hand, A., Vila Urquiza, Entre Rios. Wheat.	1	320. Labarra, B., Canelas, Buenos Ayres. Wheat.	1
322. Harri, N., Bragado. Corn.	2	321. Labarriere, 9 de Julio, Buenos Ayres. Wheat.	1
323. Haag, Conrado, Col. Esperanza, Santa Fe.		322. Lanide Col. French, Santa Fe. Wheat.	1
a Wheat.	1	323. Labrado, Roque Perez, Buenos Ayres. Corn.	2
b Corn.	2	324. Labró, J., Arroyo Corto, Buenos Ayres.	
c Barley.	4	a Wheat.	1
324. Heana, Bragado, Buenos Ayres. Corn.	2	b Corn.	2
325. Higgins, L., Bragado, Buenos Ayres. Wheat.	1	323. Lagomarsino, J., Acevedo, Buenos Ayres. Corn.	2
326. Herman, N., Canelas, Buenos Ayres. Corn.	2	325. Lanusse, P. & A., Pihue, Buenos Ayres.	
327. Hughes, W. H., Chubut. Wheat.	1	a Wheat.	1
328. Iharra & Co., Navarro, Buenos Ayres. Corn.	2	b Barley for beer.	4
329. Inbarne, Juan B., Tandil, Buenos Ayres. Wheat.	1	325a. Laruta, Chacabuco, Buenos Ayres. Wheat.	1
330. Inre, Baux y Cia, Carlos Keen, Buenos Ayres. Wheat.	1	325b. Las Acacias, Colony, Victoria, Entre Rios. Wheat.	1
		326. Lastra & Co., G. Chavez, Buenos Ayres. Wheat.	1

## Cereals, Grasses and Forage Plants

Exhibit No.	Class No.	Exhibit No.	Class No.
337. Lasuberri, B., 9 de Julio, Buenos Ayres. Wheat.	1	353. Mabragaña, M., Colon, Entre Rios. a Wheat.	
332. Lavanera, Chivilcoy. Wheat.	1	b Corn.	
332a. Lebello, Moreno, Buenos Ayres. Wheat.	1	c Bird seed.	
333. Ledesma, J. F., Dpt. La Capital, Tucuman. Corn.	2	354. Mabragaña, T., Colon, Entre Rios. a Wheat.	
334. Ledesma, J. F., Tucuman. Corn.	2	b Corn.	
335. Leguineche, A., 3 Arroyos, Buenos Ayres. Wheat.	1	354a. Madariaga, S., Buenos Ayres. Corn.	
336. Leguineche & Hijo, Saladillo, Buenos Ayres. a Wheat.	1	355. Maderna & Hijos, Carcaraña, Santa Fe. Wheat.	
b Corn.	2	356. Maderna & Hijos, Carcaraña, Santa Fe. Wheat flour.	1
336a. Lelli, H., San Antonio de Areco, Buenos Ayres. Wheat.	1	357. Madoni, N., Rojas, Buenos Ayres. Wheat.	
336b. Lemaire, Eugenio, Tucuman. Corn.	2	358. Mahon, S., Altamirano, Buenos Ayres. Corn.	
336c. Liborio, Novoa, Saladillo, Buenos Ayres. Corn.	2	359. Maffeo, Alberti, Buenos Ayres. a Wheat.	
337. Linari, A., Sarandí, Buenos Ayres. Wheat.	1	b Corn.	
338. Livi, C., Margarita, Santa Fe. Corn.	2	361. Maffeo, R., Chacabuco, Buenos Ayres. Wheat.	
340. Llamazares, M., Arrecifes, Buenos Ayres. Corn.	2	362. Maggio, I., Sauce Corto, Buenos Ayres. Wheat.	
341. Llorente & Co., Bragado, Buenos Ayres. Wheat.	1	363. Maglioni, J., Las Flores, Buenos Ayres. Corn.	
342. Lopez, Cecilio, Lopez, Buenos Ayres. Wheat.	1	364. Maldonado, M., Bragado, Buenos Ayres. Wheat.	
342a. Lopez, Osornio, Arroyo Corto, Buenos Ayres. Wheat.	1	365. Malagno, F., Junin, Buenos Ayres. Wheat.	
343. Lopez, M. E., Gorostiaga, Buenos Ayres. a Wheat.	1	367. Manague, N., Bragado, Buenos Ayres. Corn.	
b Corn.	2	368. Masmela & Suarez, Rincon de Nachi, Tucuman. Rice.	
344. Lopez, W., Alberti, Buenos Ayres. Wheat.	1	369. Mantalen Hnos., Coronel Pringles, Buenos Ayres. Wheat.	
345. Lora, Merlo, Buenos Ayres. Corn.	2	370. Maradona, A., Caucete, Mendoza. a Wheat.	
345a. Loseheiza, San Antonio de Areco, Buenos Ayres. Wheat.	1	b Barley.	
346. Lowe, Nicolas, Mercedes, Buenos Ayres. Grasses.	8	c Rice.	
346a. Loza, Santiago, Buenos Ayres. Wheat.	1	370a. Maradona, Antonio, San Juan. a Wheat.	
346b. Lugones, R., Pehuajo, Buenos Ayres. Wheat.	1	b Corn.	
346c. Lugones, R., Pehuajo, Buenos Ayres. Wheat.	1	c Rice.	
347. Luizzi, Vicente, Vazquez, Buenos Ayres. Wheat.	1	d Seeds of alpiste.	
348. Luna, Liborio, 9 de Julio, Buenos Ayres. Wheat.	1	e Seeds of alfalfa.	
349. Lusini, Blas, Roque Perez, Buenos Ayres. Corn.	2	371. Marcolino, R. Perez, Buenos Ayres. Wheat.	
350. Lutjoham, F., Tandil, Buenos Ayres. Corn.	2	372. Marconi, A., Pergamino, Buenos Ayres. Oats.	
351. Lutjohan & Co., Leones, Cordoba. Wheat.	1	373. Marconi, A., Flo. Varela, Buenos Ayres. a Wheat.	
		b Corn.	
		c Oats.	
		374. Marini & Magnoschi, Colonia Rafaela, Santa Fe. Wheat flour.	11
		375. Marquez, M., Villa Urquiza, Entre Rios. Wheat.	1

Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
36. Martelli, B., Sarmiento, Buenos Ayres. Corn.	2	402a. Milberg, Valerio, Las Conchas, Buenos Ayres. Corn.	2
37. Martell & Co., San Antonio, Buenos Ayres. Corn.	2	403. Miranda, M., Sauce Corto, Buenos Ayres.	
38. Martelo Hnos., Escola, Buenos Ayres. Wheat.	1	a Wheat.	1
39. Martarena, S., Villa Elisa, Buenos Ayres. Wheat.	1	b Corn.	2
40. Martinez, B., Salado, Buenos Ayres. Wheat.	1	403a. Mirandeli, F., Chivilcoy, Buenos Ayres. Wheat.	1
41. Martinez, C., Roque Perez, Buenos Ayres. Corn.	2	404. Molar, D., Villa Urquiza, Entre Rios. Corn.	2
42. Martinez, de Hoz, E. P., Tandil, Buenos Ayres. Wheat.	1	405. Moleres & Co., Olavarria, Buenos Ayres. Wheat.	1
43. Martinez, F., Suipacha, Buenos Ayres. Corn.	2	406. Moleres, L., Florencio Varela, Buenos Ayres. Corn.	2
44. Martinez, J., Chivilcoy, Buenos Ayres. Wheat.	1	407. Moleres, L., Saladillo, Buenos Ayres.	
45. Martinez, Souza, Chivilcoy, Buenos Ayres.		a Wheat.	1
a Wheat.	1	b Corn.	2
b Corn.	2	408. Molina, A., Mar del Plata, Buenos Ayres. Wheat.	1
46. Martinez, S. de, Alberti, Buenos Ayres. Corn.	2	409. Molina, B., Tucuman Rice.	6
47. Martinez, W., Posse, Buenos Ayres. Wheat.	1	409a. Monague, N., Bragado, Buenos Ayres. Corn.	2
48. Martinez & Co., Salado, Buenos Ayres. Wheat.	1	410. Monasterio & Bibolian, Gonzales Chaves, Buenos Ayres. Wheat.	1
49. Martino, E., Victoria, Entre Rios. Wheat.	1	411. Moras, Jose, & Hijos, 25 de Mayo, Buenos Ayres.	
50. Martirene, J., Eliza, V., Wheat.	1	a Wheat.	1
51. Masmela, M., Tucuman. Decorticated rice.	11	b Corn.	2
51a. Masutti, Domingo, Colonia Crespo, Entre Rios. Wheat.	1	412. Morandi, A., Gutierrez, Buenos Ayres. Oats.	3
52. Mayer, Lomas, Buenos Ayres. Barley.	4	413. Morandi, Antonio Marcos Paz, Buenos Ayres. Wheat.	1
53. Mendez, C., Bragado, Buenos Ayres. Wheat.	1	414. Moras, R., Alberti, Buenos Ayres. Corn.	2
54. Mendez, F., Pehuajo, Buenos Ayres. Wheat.	1	415. Moreira, R., Nogoya, Entre Rios. Wheat.	1
55. Mendez, M., Candelaria, Misiones. Corn.	2	416. Morinelli, G., Buenos Ayres. Wheat and corn cracked.	11
56. Mendez, T., Pehuajo, Buenos Ayres. Wheat.	1	417. Moscoloni, R., Roque Perez, Buenos Ayres. Wheat.	1
57. Mendez, Salvatierra & Co., Chichilasta, Tucuman.		418. Muren & Co., Paso de la Patria. Corrientes. Corn.	2
a Corn.	2	419. Musatti, D., Colonia, Crespo. Wheat.	1
b Rice.	6	420. Musi, Juan, Salvador Maria, Buenos Ayres. Corn.	2
58. Mercado, V., Junin, Buenos Ayres. Wheat.	1	421. Nabor, Pino, Tucuman. Corn.	2
59. Meranderi, W., Chivilcoy, Buenos Ayres. Wheat.	1	422. Nava & Hijos, Tucuman.	
60. Mesaglio, Marcos Paz., Buenos Ayres. Wheat.	1	a Rice.	6
61. Mey, Tristan Suarez, Buenos Ayres. Corn.	2	b Decorticated rice.	11
62. Migliari, A., Junin, Buenos Ayres. Wheat.	1	422a. Nava, Francisco, Tucuman.	
		a Corn.	2
		b Rice.	6
		423. Navarro, Crispin, Chivilcoy, Buenos Ayres.	
		a Wheat.	1
		b Corn.	2

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
424. Navarro, Francisco, Alfalfa, Buenos Ayres.		447. Onetto, M. S., Sauce Corte, Buenos Ayres.	
a Wheat.	1	a Wheat.	1
b Barley for beer.	4	b Wheat flour.	11
425. Necol & Aguirre, 3 Arroyos Buenos Ayres. Wheat.	1	448. Orcozon, Chivilcoy, Buenos Ayres. Corn.	2
425a. Negri, S., Chivilcoy, Buenos Ayres. Corn.	2	449. Ortiz, Fermin, Ayacucho, Buenos Ayres. Wheat.	2
425b. Neirs, J., Duggan, Buenos, Ayres. Wheat.	1	450. Ortiz de Zarate, Chubut. Oats.	3
426. Nelson, Enrique M.		451. Ortiz de Zarate, Tandil, Buenos Ayres. Oats.	3
a Commercial wheat from the Buenos Ayres and Tucuman markets.	1	452. Ortiz, Julian, Tandil, Buenos Ayres. Wheat.	1
b Corn from the same.	2	453. Ortiz, P. C., Ortiz.	5
428. Nezzi, N., Chivilcoy, Buenos Ayres. Corn.	2	a Wheat.	1
431. Nogues, A., Mercedes, Buenos Ayres. Wheat flour.	11	b Bird seed.	7
431a. Nosiglia, P., Posadas. Corn meal.	11	454. Oriz, J., Lobos, Buenos Ayres. Corn.	2
432. Nougues Hnos., San Pablo, Tucuman. Corn.	2	455. Osornio, Lopez, Arroyo Corto, Buenos Ayres. Wheat.	1
434. Novoa, Liborio, 9 de Julio, Buenos Ayres.		455a. Otharam, Buenos Ayres. Wheat.	1
a Wheat.	1	456. Otwan, Chacabuco, Buenos Ayres. Wheat.	1
b Corn.	2	457. Padilla Hnos., Tucuman. Corn.	2
435. Nuñez, E., Bragado, Buenos Ayres. Wheat.	1	458. Padilla, T., Rio de Lules, Tucuman. Rice.	6
436. Oberlin, E., Diamante, Entre Rios. Wheat.	1	459. Pages, Pedro, T., Dolores, Buenos Ayres. Corn.	2
437. Ocampo, B., Paso de la Patria. Corrientes. Corn.	2	460. Panizza, R., Chacabuco, Buenos Ayres.	
438. Ocampo, F., Chivilcoy, Buenos Ayres. Corn.	2	a Wheat.	1
439. Ochoa & Hnos., Dolores, Buenos Ayres. Corn.	2	b Barley.	4
440. Ojea & Co., Roque Perez, Buenos Ayres. Corn.	2	461. Panova, Chacabuco, Buenos Ayres. Wheat.	1
441. Ojea, Ant., 9 de Julio, Buenos Ayres.		462. Passera, Cesar, Dolores, Buenos Ayres. Corn.	2
a Wheat.	1	463. Pastre, F., O'Higgins, Buenos Ayres. Wheat.	1
b Corn.	2	464. Patener, P., Diamante, Entre Rios. Corn meal.	11
c Barley for coffee.	4	465. Patino & Co., Adrogué, Buenos Ayres. Corn.	2
442. Ojea, J., Capilla, Buenos Ayres. Barley for beer.	4	466. Pearey, Guanaco, Buenos Ayres. Wheat.	1
442a. Olacca, N., Canuelas, Buenos Ayres. Wheat.	1	466a. Pearson, N., Pilar, Buenos Ayres. Wheat.	1
442b. Olagaray, Chacabuco, Buenos Ayres. Wheat.	1	467. Pegasano Hnos., Rojas, Buenos Ayres. Rye.	5
443. Oliden, J., Saladillo, Buenos Ayres. Wheat.	1	468. Pegasano, Hnos. & Repetto, Roque Perez, Buenos Ayres.	
444. Oliván, N., C. Casares, Buenos Ayres. Wheat.	1	a Wheat.	1
445. Oliván, S., Alberti, Buenos Ayres. Corn.	2	b Corn.	2
445a. Olivera, G., Canuelas, Buenos Ayres. Wheat.	1	469. Peluffo, B., Flo. Varela, Buenos Ayres.	
446. Oloace, Carlos Casares, Buenos Ayres. Wheat.	1	a Wheat.	1
		b Corn.	2

Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
470. Peluffo, V., & Co., Buenos Ayres.		497. Quinodoz, Diaz Ceriat & Co., No-	
a Corn.	2	goya, Entre Rios. Wheat flour.	11
b Oats.	3	498. Quintana, Lujan, Buenos Ayres.	
c Barley.	4	Wheat.	1
d Rye.	5	499. Ramallo, Iridio, La Gama, Buenos	
e Bini seed.	7	Ayres. Wheat.	1
471. Pepper, T. S., Rosario, Santa Fe.		501. Ramos, J. de A., Magdalena, Buenos	
Wheat.	1	Ayres. Wheat.	1
472. Perazzo, A., Chivilcoy, Buenos Ayres.		502. Ramsey, D., Florencio Varela,	
Corn.	2	Buenos Ayres. Oats.	3
473. Perazzo, D., Candelaria, Santa Fe.		503. Ramsay, Diego, Suipacha, Buenos	
a Wheat.	1	Ayres.	
b Barley for beer.	4	a Wheat.	1
474. Pereja, A., & Hijo, Col. Genl. Paz,		b Corn.	2
Cordoba. Wheat.	1	c Barley for beer.	4
475. Pereyra, Bragado, Buenos Ayres.		504. Ratti, Egisto, Lobos, Buenos Ayres.	
Wheat.	1	Wheat.	1
476. Perez & Cueto, Alfalfa, Buenos Ayres.		505. Ratti, S., Lobos, Buenos Ayres.	
Wheat.	1	Corn.	2
477. Perrando, P., Chivilcoy, Buenos		505a. Real de Azua, Exequiel Chascomius,	
Ayres. Wheat.	1	Buenos Ayres. Corn.	2
478. Perratti, N., la Junta, Buenos Ayres.		506. Rearte, S., Caspinhanga, Tucuman.	
Wheat.	1	Rice.	6
479. Perez, E., Bragado, Buenos Ayres.		507. Renaco, Socorro, Buenos Ayres.	
Wheat.	1	Wheat.	1
480. Perroti, la Junta, Buenos Ayres.		508. Reyes, M., Vasquez, Buenos Ayres.	
Wheat.	1	Wheat.	1
481. Piaggio, E., Hinojo, Buenos Ayres.		509. Reynoso, D., Cañuelas, Buenos	
a Wheat.	1	Ayres. Rye.	5
b Decorticated rice.	11	510. Ricardo, Mi, Pardo, Buenos Ayres.	
482. Pieretti & Señorans, Alberti, Buenos		a Wheat.	1
Ayres. Corn.	2	b Corn.	2
483. Pierson, A., Pilar, Buenos Ayres.		511. Ricci, Sarmiento, Buenos Ayres.	
Wheat.	1	Wheat.	1
484. Pietranera, F., Chacabuco, Buenos		512. Rísel, J., Villa Urquiza, Entre Rios.	
Ayres. Corn.	2	Wheat.	1
485. Pietranera, T., Chivilcoy, Buenos		513. Rigliolo, N., Las Flores, Buenos	
Ayres. Wheat.	1	Ayres. Corn.	2
486. Pittier, C., Colonia Esperanza,		514. Risso, M., Chivilcoy, Buenos Ayres.	
Santa Fe. Wheat flour.	11	Wheat.	1
487. Pizzorno, C., 9 de Julio, Buenos Ayres.		515. Rivace, Z., Marcos Paz, Buenos	
a Wheat.	1	Ayres. Wheat.	1
b Corn.	2	516. Rivachon, Misiones. Rice.	6
488. Planas, Hermanos, 3 Arroyos, Buenos		517. Rivera, Alf., Ensenada, Buenos	
Ayres. Wheat.	1	Ayres. Wheat.	1
489. Ponce, Las Flores, Buenos Ayres.		518. Rivero, Hijos, Junin, Buenos Ayres.	
Corn.	2	Wheat.	1
490. Posse, M., Ollaveria, Buenos Ayres.		518. Rivieri, Juan, Sud, Buenos Ayres.	
Wheat.	1	Wheat.	1
491. Prader Hnos., Pillahuinca. Wheat.	1	519. Roca, Julio A., Guamini, Buenos	
492. Prato, T., Reconquista. Corn.	2	Ayres. Wheat.	1
493. Prevende, B., Olavarria, Buenos		519a. Rocca, Ban Nicolas, Buenos Ayres.	
Ayres. Wheat.	1	Wheat.	1
494. Primo, M., Nogoya, Entre Rios.		520. Rocha, A., Chivilcoy, Buenos Ayres.	
Wheat.	1	Wheat.	1
495. Puertos, Jose, Arroyo Corto, Buenos		521. Rocha, W., Chivilcoy, Buenos Ayres.	
Ayres. Wheat.	1	Wheat.	1
496. Puyade, V., 9 de Julio, Buenos Ayres.			
Wheat.	1		
1 u.			

## CHAPTER III. Textile Fibres.

No.	Name of the Producer or Firm.	Locality.	Remarks.
868	Esparra, S., Rauch, Buenos Ayres.	Buenos Ayres.	
869	Falcomir, F., Depto. 11, Pampa Central.	Pampa Central.	Fleeces.
870	Fernandez & Gandulla, Depto. 11, Pampa Central.	Pampa Central.	Fleeces.
871	Fremery, C., Roque Perez, Buenos Ayres.	Buenos Ayres.	Fleeces.
872	Garcia Bazan, Nicolas, Saladas, Entre Rios.	Entre Rios.	Plants and fibres of flax.
873	Garcia, Fernandez M., Depto. 11, Pampa Central.	Pampa Central.	Fleeces.
874	Garcia, Soriano, Azul, Buenos Ayres.	Buenos Ayres.	Fleeces.
875	Garralde, J., Rauch, Buenos Ayres.	Buenos Ayres.	Fleeces.
876	Garros, C., Coronel Suarez, Buenos Ayres.	Buenos Ayres.	Fleeces.
877	Gibson, Hnos., Ajo, Buenos Ayres.	Buenos Ayres.	Fleeces.
878	Ginocchio, B., Puirredon, Buenos Ayres.	Buenos Ayres.	Fleeces.
879	Ginocchio & Podesta, Ranch, Buenos Ayres.	Buenos Ayres.	Fleeces.
880	Ghiraldo, Saenz & Co., Carmen Areco, Buenos Ayres.	Buenos Ayres.	Fleeces.
881	Gogorza, M., Chascomus, Buenos Ayres.	Buenos Ayres.	Fleeces.
882	Goire, Benigno, Candelaria, Buenos Ayres.	Buenos Ayres.	Fleeces.
883	Goni, I., Magdalena, Buenos Ayres.	Buenos Ayres.	Fleeces.
884	Gocrales A., Depto. 1, Pampa Central.	Pampa Central.	Fleeces.
885	Gosa, S., Tama, Buenos Ayres.	Buenos Ayres.	Fleeces.
886	Government of Formosa, Varadero, Formosa.	Formosa.	Textile fibres and sacks.
887	Government of Jujuy, Hammon, Jujuy.	Jujuy.	Fleeces.
888	Government of Misiones, Nieder, Misiones.	Misiones.	Climbing fibres for twisting.
889	Government of Salta, Cotton, Salta.	Salta.	Cotton fibre.
890	Government of Santa Fe, C., Santa Fe.	Santa Fe.	Fleeces.
891	Government of Chavarria, Buenos Ayres.	Buenos Ayres.	Fleeces.
892	Government of Depto. 3, Pampa Central.	Pampa Central.	Fleeces.
893	Government of Chavarria, Buenos Ayres.	Buenos Ayres.	Fleeces.
894	Government of Santa Fe, Plant of cotton, Santa Fe.	Santa Fe.	Plant of cotton.
895	Falcomir, V. E., Azul, Buenos Ayres.	Buenos Ayres.	Fleeces.

Animal and Vegetable Fibres.

Exhibit No.	Class'n No.
924. Ham, P., Baradero, Buenos Ayres.	60
Fleeces.	60
925. Hammonet, A., & Co., Monteagudo, Formosa. Worked ramie.	59
926. Hanzelmann, Otto, Villa Ocampo.	53
Cotton.	53
927. Hopf, M., Tapalque, Buenos Ayres.	60
Fleeces.	60
928. Ibarzeta, Ricardo, Tucuman.	59
Cotton.	59
929. Imas & Rivers, Gnamini, Buenos Ayres.	60
Fleeces.	60
930. Iriarte, R., Ayacucho, Buenos Ayres.	60
Fleeces.	60
931. Jijena, E., Depto. 1, Pampa Central.	60
Fleeces.	60
932. Jolly, A., Arrecifes, Buenos Ayres.	60
Fleeces.	60
933. Keen, Dr. E., Buenos Ayres.	60
Fleeces.	60
934. Kuchem, Tedoro, Rev., Itati, Corrientes.	53
Cotton with seed.	53
935. Lagunecche & Hijo, Monte, Buenos Ayres.	60
Fleeces.	60
936. Lanusse, P. & A., Ayacucho, Buenos Ayres.	60
Fleeces.	60
937. Larrambe, S., Arroyo Chico, Buenos Ayres.	60
Fleeces.	60
938. Larredi, S., Ayacucho, Buenos Ayres.	60
Fleeces.	60
939. Las Santos, de, Juarez, Buenos Ayres.	60
Fleeces.	60
940. Leite, A., Loberia, Buenos Ayres.	60
Fleeces.	60
941. Leloir, F., Laprida, Buenos Ayres.	60
Fleeces.	60
942. Lobos, Jose F., Candelaria, Misiones.	53
Cotton with seed.	53
943. Locas, Salvador T., Colon.	62
Horse.	62
944. Lopez, S., San Vicente, Buenos Ayres.	60
Fleeces.	60
945. Lowe, Nicolas, Mercedes, Buenos Ayres.	59
Flax fibre.	59
946. Fleeces.	60
947. Lozon, Dr. Julio, Colony Avellaneda, Fe.	59
Ramie fibre.	59
948. Llamas, Antonio de, Puerto Bermejo, Austral.	59
Caraguata and datil.	59
949. Llon, A., Tres Arroyos, Buenos Ayres.	60
Fleeces.	60
950. Maguirre, P., Navarro, Buenos Ayres.	60
Fleeces.	60
951. Matti, Angel, Pueblo Brugo, Entre Rios.	79
Caraguata plant and fibre.	79
952. F. Arbolito, Buenos Ayres.	60

Exhibit No.	Class'n No.
924. Martins, J., & Co., Chascomus, Buenos Ayres.	60
Fleeces.	60
925. Martinez de Hoz, E., Laprida, Buenos Ayres.	60
Fleeces.	60
926. Martinez, S., Las Flores, Buenos Ayres.	60
Fleeces.	60
927. Marquez, Francisco, Buenos Ayres.	59
Pita fibre.	59
928. Mendez, J. M., & Co., Las Heras, Buenos Ayres.	60
Fleeces.	60
929. Messttorff, N., Ayacucho, Buenos Ayres.	60
Fleeces.	60
930. Miguens, F., Necochea, Buenos Ayres.	60
Fleeces.	60
931. Miquelarena, F., Ayacucho, Buenos Ayres.	60
Fleeces.	60
932. Molinas de Rojas, Francisca, Itati.	60
Cotton.	60
933. Moras, J., & Hijo, 25 de Mayo.	60
Buenos Ayres.	60
933a. Munti, Francisco, Lujan, Buenos Ayres.	69
Absinthe.	69
934. Murray, J., Exaltacion de la Cruz.	60
Buenos Ayres.	60
Fleeces.	60
935. Musik, Rodolfo, Candelaria, Misiones.	53
Cotton with seed.	53
936. Macdonald, N., Monte, Buenos Ayres.	60
Fleeces.	60
937. Necol & Aguirre, Buenos Ayres.	60
Fleeces.	60
938. Newton, R. S., Buenos Ayres.	60
Fleeces.	60
939. Niederlein Expedition to Gran Chaco and Misiones. Various fibres and articles made by Indians of Gran Chaco.	59
940. Niederlein & Vollenweider, Buenos Ayres.	59
Caraguata plants and fibres.	59
941. Novoa, L., Buenos Ayres.	60
Fleeces.	60
942. Nunez, M., Uruguay, Entre Rios.	60
Fleeces.	60
943. Nunez, N., Arroyo del Medio, Buenos Ayres.	60
Fleeces.	60
944. Oberlin, Eduardo, & Co., Diamante, Entre Rios.	59
Brooms of palm.	59
945. Ojea, A., Suipacha, Buenos Ayres.	60
Fleeces.	60
946. Olmos, Dr. Jose A., Tucuman.	59
Ramie fibre.	59
947. O'Neill, T., Baradero, Buenos Ayres.	60
Fleeces.	60
948. Ortega, J. M., Saladillo, Buenos Ayres.	60
Fleeces.	60
949. Ortiz, F., Ayacucho, Buenos Ayres.	60
Fleeces.	60
950. Ortiz, J., Ayacucho, Buenos Ayres.	60
Fleeces.	60
951. Osornio, L. S., Las Grampas, Buenos Ayres.	60
Fleeces.	60

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
522. Rodriguez, C. P., Gutierrez, Buenos Ayres.		546a. Sallorqui, N., Trenque Lanquen Buenos Ayres. Corn.	
a Wheat.	1	546b. Salon, Jaime, Olavarria, Buenos Ayres. Wheat.	
b Corn.	2	546c. Salon, Juan, La Gama, Buenos Ayres. Wheat.	
c Oats.	3	546d. Sambarri, B., 9 de Julio, Buenos Ayres. Corn.	
d Barley for beer.	4	547. Sanchez, French. Wheat.	
523. Rodrigues, T., Flo. Varela, Buenos Ayres. Wheat.	1	548. Sanguinetti, F., Roca, Buenos Ayres. Wheat.	
524. Rodriguez & Co., Capilla, Buenos Ayres. Barley for beer.	4	549. San Martin, I., Las Flores, Buenos Ayres. Corn.	
525. Roe, Robt., Santa Fe. Wheat flour.	11	550. San Roman, Bragado, Buenos Ayres. Corn.	
526. Rognis, R., Bragado, Buenos Ayres. Corn.	2	551. Santamariná, 3 Arroyos, Buenos Ayres. Wheat.	
527. Rojas, M. J., & Co., Vazquez, Buenos Ayres. Wheat.	1	552. Santiago, Loza, Merlo, Buenos Ayres. Corn.	
528. Roo, Juan B., Juarez, Buenos Ayres. Wheat.	1	553. Santino, G., Pilar, Buenos Ayres. Corn.	
529. Roos, Arrecifes, Buenos Ayres. Bird seed.	7	554. Sanz, S., Del Carril, Buenos Ayres. Wheat.	
530. Rouges, L., & Co., Tucuman. Wheat flour.	11	554a. Sapulano, Chacabuco, Buenos Ayres. Wheat.	
531. Rueda, Alberti, Buenos Ayres. Wheat.	1	555. Sarpet, M., Alberti, Buenos Ayres. Corn.	
532. Ruiz, C., Cap. Sarmiento, Buenos Ayres. Corn.	2	556. Saunoz, 9 de Julio, Buenos Ayres. Wheat.	
533. Runi, F., Lujan, Buenos Ayres. Corn.	2	557. Scarabino, A., Alberti, Buenos Ayres. Corn.	
534. Russo, F., Las Heras, Buenos Ayres. Corn.	2	558. Schiaffino, A., Necochea, Buenos Ayres. Wheat.	
535. Saavedra, C. M., French. Corn.	2	559. Schiaffino, C., Rojas, Buenos Ayres. Rye.	
535a. Sabrado, Vinda de, Roque Perez, Buenos Ayres. Corn.	2	560. Schmidt, C., Hinojo, Buenos Ayres. Rye.	
536. Saenz, E., Bragado, Buenos Ayres. a Wheat.	1	561. Schroeder, A., Villa Urquiza, Entre Rios. Barley.	
b Corn.	2	562. Sebello, N., Moreno, Buenos Ayres. Wheat.	
537. Saenz, Giraldo & Co., Chivilcoy, Buenos Ayres. a Wheat.		563. Seigle, P., Colonia Esperanza, Santa Fe. Wheat flour.	
b Corn.	2	564. Selli, H., S. Antonio, Buenos Ayres. Wheat.	
538. Saenz, W., Perganino, Buenos Ayres. Wheat.	1	565. Sello, J., Roque Perez, Buenos Ayres. Corn.	
Saimaz, L., 9 de Julio, Buenos Ayres. Wheat.	1	566. Selloski, Trenque Lauquen, Buenos Ayres. Wheat.	
539. Salarriero, 9 de Julio, Buenos Ayres. Wheat.	1	567. Semeari, Eug., Buenos Ayres. Corn.	
539a. Salaverry, 9 de Julio, Buenos Ayres. Wheat.	1	568. Semino Hijos, Rosario, Santa Fe. Wheat flour.	
540. Salazar, Alsina, Buenos Ayres. a Rye.	5	569. Senillosa, P., Merlo, Buenos Ayres. Corn.	
b Bird seed.	7	570. Senis, South of Buenos Ayres. Rye.	
541. Salazar, N., Castelli, Buenos Ayres. Wheat.	1	571. Serantes, Alberto Temperley, Buenos Ayres. Corn.	
542. Salazar, R., 9 de Julio, Buenos Ayres. a Wheat.	1	572. Sesca, J., & Co., Pehuajo, Buenos Ayres. Wheat.	
b Corn.	2		
546. Salcedo, J., Alberti, Buenos Ayres. Wheat.	1		

Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
573. Sierra, A., Roque Perez, Buenos Ayres. Corn.	2	598. Teja, R., Pehuajo, Buenos Ayres. Wheat.	1
574. Sierra, P., Roque Perez, Buenos Ayres. Corn.	2	599. Tello, E., Jujuy. Rice.	6
575. Siervo, Angel, Chacabuco, Buenos Ayres. Wheat.	1	600. Terrarosa, A., Tornquist, Buenos Ayres. Wheat.	1
576. Sin, N., Cañuelas, Buenos Ayres. Wheat.	1	601. Terren, J., Azcuena, Buenos Ayres. Corn.	2
577. Sobrado, Viudade, Roque Perez, Buenos Ayres. Corn.	2	602. Terves, A., Chivilcoy, Buenos Ayres. Corn.	2
578. Sohdrcke, A., Puente de Oro, Chaco. Corn.	2	602a. Tewes, Adolfo, Chacabuco, Buenos Ayres. Wheat.	1
578a. Solari, Alberti, Buenos Ayres. Corn.	2	603. Tezanos, Pinto & Co., Jujui. Wheat flour.	11
579. Soler, G., Sauce Corto, Buenos Ayres. Wheat.	1	604. Thorumy, Chacabuco, Buenos Ayres. Wheat.	1
579a. Soler, Vicente, Tucuman. a Corn.	2	605. Tonkinson & Co., Monte, Buenos Ayres. Corn.	2
b Rice.	6	607. Torello, R., Chacabuco, Buenos Ayres. Wheat.	1
580. Sommariva & Hijo, Navarro, Buenos Ayres. a Wheat.	1	608. Torres, A., Chivilcoy, Buenos Ayres. Wheat.	1
b Corn.	2	610. Torres, R., Roca, Buenos Ayres. Wheat.	1
c Barley for beer.	4	610a. Tosco, Chaverie y Carrica, Junin, Buenos Ayres. Corn.	2
581. Sorali, Alberti, Buenos Ayres. Wheat.	1	611. Traverso, J. M., Rio Santiago, Buenos Ayres. a Wheat.	1
582. Soriano, G., Cl. Pringles, Buenos Ayres. Wheat.	1	b Corn.	2
583. Souza, Martinez, Cañuelas, Buenos Ayres. Corn.	2	612. Trelles, A. and J. M., Juarez, Buenos Ayres. Wheat.	1
584. Souza, Martinez F., Chivilcoy, Buenos Ayres. Wheat.	1	613. Trepes, Chacabuco, Buenos Ayres. Wheat.	1
585. Sozeheize, San Antonio, Buenos Ayres. Wheat.	1	614. Tuello, T., Coronda, Santa Fe. Wheat flour.	11
586. Stumo, S., Castelli, Buenos Ayres. Wheat.	1	615. Tunke, C., Tornquist, Buenos Ayres. Oats.	3
587. Suarez, J., 3 Arroyos, Buenos Ayres. a Wheat.	1	616. Udarrieta, Bragado, Buenos Ayres. Wheat.	1
b Corn.	2	616a. Ulibillarrea, Canuelas, Buenos Ayres. Corn.	2
588. Suarez, T., Tucuman. a Rice.	3	617. Unzue, S., Bragado, Buenos Ayres. Wheat.	1
b Decorticated rice.	11	618. Unzue, S., & Hijos, Chivilcoy, Buenos Ayres. a Wheat.	1
588a. Sasini, Blas, Roque Perez, Buenos Ayres. Corn.	2	b Corn.	2
589. Suter & Co., Pihue. Wheat.	1	619. Urtazum, E., Chascomus, Buenos Ayres. Wheat.	1
590. Tallavera, A. P., Ranchos, Buenos Ayres. Corn.	2	620. Urtiaga, N., Bragado, Buenos Ayres. Wheat.	1
592. Talazar Colony. Wheat from various farms.	1	621. Vacarezza, J., Bragado, Buenos Ayres. Wheat.	1
593. Tamayo, T., Cachipampa. Decorticated rice.	11	622. Vacarezza, N., Alberti, Buenos Ayres. Wheat.	1
594. Tapalno, Chacabuco, Buenos Ayres. Wheat.	1	623. Van Wyl, J., Col. Helvecia, Santa Fe. Wheat.	1
595. Tarragni, J., Colonia Pilar, Santa Fe. Wheat flour.	11		
596. Taurel Hnos., Molino, San Martin. Wheat flour.	11		
597. Taurequi, Jauregui, Buenos Ayres. Corn.	2		

## Cereals, Grasses, Forage Plants, Bread, Biscuits, Pastes, Starch, Gluten, etc.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
624. Varela, V., Genl. Alvarado. Wheat.	1	652. Resoagli, J. L., Ituzaingo. Biscuits.	2
625. Vazques, Canuelas, Buenos Ayres.	2	653. Bagley, M. S., & Co., Buenos Ayres. Crackers.	2
626. Vazques, Tandil, Buenos Ayres.	2	654. Bercetche, Pedro, & Co., Buenos Ayres. Crackers.	2
628. Velarde, B., & Hijo, Flo. Varela, Buenos Ayres. Wheat.	1	655. Monga, T., Dolores, Buenos Ayres. Crackers.	2
629. Vera, J. T., Rio Medinas, Tucuman.	6	656. Rivera Hnos., Buenos Ayres. Crackers.	2
630. Viandade, Sabrado, Duggan, Buenos Ayres. Corn.	2	657. La Julia, Buenos Ayres. Crackers.	2
631. Victorica, Benjamin, Colon, Entre Rios. Wheat.	1	658. Alfonso, A., Tucuman. Italian pastes.	2
632. Vidal, E., Olascoaga, Buenos Ayres. Wheat.	1	659. Gonzales, M., Uruguay, Entre Rios. Italian pastes.	2
632a. Videla & Nolte, Las Flores, Buenos Ayres. Corn.	2	660. Kreckel, I., Tucuman. Italian pastes.	2
633. Viggolo, Salado, Buenos Ayres. Corn.	2	661. Olcese, L., Mendoza. Italian pastes.	2
634. Viglione, S. Ferrari, Buenos Ayres. Corn.	2	662. Oneto, M. S., Buenos Ayres. Italian pastes.	2
635. Vigneau, C., Aquino Formosa, Buenos Ayres. Corn.	2	663. Alvarez, D., Posadas, Misiones. Farina de manioc.	2
636. Villa, C., Rodriguez, Buenos Ayres. Corn.	2	664. Caceres, M., Santa Rosa, Tucuman. Wheat and rice starch.	2
637. Village & Manzoni, Colonia Pilar. Wheat flour.	11	665. Guizma, B., Posadas, Misiones. Chuno de manioc.	2
638. Villamayor, J. S., Marcos Paz, Buenos Ayres. Corn.	2	666. Dagnino, J. M., Goya, Corrientes. Manioc starch, farina and chuno.	2
639. Virasoro, P., & Co., Las Tunas, Santa Fe. Wheat flour.	11	667. Fernandez, M. de, Ituzaingo. Manioc starch.	2
639a. Vivanco, Castellun y Cia, Sauce Corto, Buenos Ayres.	1	668. Farina, T., Itati. Farina de manioc.	2
a Wheat.	1	669. Fernandez, E., Buenos Ayres. Corn starch.	2
b Corn.	2	670. Grassano, E. P. de, Paso de la Patria. Corrientes. Manioc starch.	2
640. Voigt, A., Villa Urquiza, Entre Rios. Corn.	2	671. Leon, M. de, Posadas, Misiones. Chuno.	2
641. Waiand, T., Diamante, Entre Rios. Wheat.	1	672. Muren & Co., Paso de la Patria. Manioc starch.	2
643. Werner & Co., Villa Casilda, Santa Fe. Wheat flour.	11	673. Medina de Rojas, F., Itati. Manioc starch.	2
644. Wollmann & Co., Sunchales, Santa Fe. Wheat flour.	11	674. Mantzel, O., Candelaria. Manioc starch.	2
645a. Wyl, Juan von Helvecia, Santa Fe. Wheat.	1	675. Mino, D., Posadas. Manioc starch.	2
646. Zalazar, Castelli, Buenos Ayres. Wheat.	1	676. Martinez, Ventura & Hijo, Buenos Ayres. Starch.	2
647. Zalazar, R., Bragado, Buenos Ayres. Corn.	2	677. Nosiglia, P., Posadas, Misiones. Manioc starch and farina.	2
648. Yoppi, Chivilcoy, Buenos Ayres. Corn.	2	678. Piaggio E., Buenos Ayres. Rye starch.	2
649. Zamudio, Juan, Las Heras, Buenos Ayres. Corn.	2	680. Resoagli, J. L., Ituzaingo. Manioc starch and farina.	2
650. Zarate, O., Zarate, Buenos Ayres. Bird seed.	7	679. Ricci, C. A., Itati. Manioc starch.	2
651. Zoppi, S., Lobos, Buenos Ayres.	5	681. Rojas, F. M. de, Itati. Manioc.	2
a Wheat.	1		
b Corn.	2		
c Rye.	5		

Sugars, Syrups, Confectionery, Peanuts.

Exhibit No.	Class'n No.
662. San Juan & Roig, Tucuman. and rice starch.	Wheat 16
663. Vignean, G., Formosa. starch.	Manioc 16
664. Virasoro, J. D., Saladas, Corrientes. starch.	16

GROUP 3.

665. Araoz & Leach, Jujui. Cane sugar.	18
666. Argentine Refinery, Rosario, Santa Fe. Refined sugar.	18
667. Augnier, E., Ingenio San Hilario. Cane sugar.	18
668. Avila, Manuel, Tucuman. Sugar cane bower.	17
669. Bouvier, G., & Co., Ingenio Santa Elena. Cane sugar.	18
670. Brenna, Caytarro, Buenos Ayres. Confectionery.	27
671. Brown, John, Reconquista. Camachie.	26
672. Bustamante & Co., Ingenio San Miguel, Tucuman. Cane sugar.	18
673. Echaz, A., El Desmonte, Salta. Cane sugar.	18
674. Erdmann & Sosa, Ingenio San Felipe, Tucuman. a Bagazo.	17
	b Cane sugar. 18
675. Gallo Hnos., Ingenio Lujan, Tucuman. Cane sugar.	18
676. Gambaudi Hnos., Buenos Ayres. Confectionery.	27
677. Garcia, Vicente, Ingenio El Paraiso, Tucuman. Cane sugar.	18
678. Guzman & Co., Ingenio Concepcion, Tucuman. a Bagazo.	17
	b Cane sugar. 18
679. Hardy, R., & Co., Las Palmas. Cane sugar.	18
680. Hileret, Clodomiro, Lules, Tucuman. Bagazo.	17
681. Hileret, C., Ingenio Lules, Tucuman. Cane sugar.	18
682. Hileret & Rodrigue, Ingenio, Santa Ana, Tucuman. a Bagazo.	17
	b Cane sugar. 18
683. Ingenio, San Juan, Misiones. Cane sugar.	18
684. Kissel, P., Villa Urquiza, Entre Rios. Honey.	26
685. Leonhardt, A., Reconquista. Sorghum honey.	24
686. Mabragana, H., Colon, Entre Rios. Lamon.	26
687. Mabragana, O., Colon, Entre Rios. (manioc).	26

Exhibit No.	Class'n No.
706. Machicote Bros., La Paz. Honey.	26
707. Mayer & Bonaccio, Formosa. Cane sugar.	18
707a. Medina, A., Ingenio, Cruz Alta. Cane sugar.	18
708. Medina, A., Ingenio San Vicente, Tucuman. Cane sugar.	18
709. Mendez, Salvatierra & Co., Ingenio Trinidad, Tucuman. a Bagazo.	17
	b Cane sugar. 18
	c Sorghum honey. 24
710. Moreno, F., Ingenio Santa Lucia, Tucuman. Cane sugar.	18
711. Nougues Hnos., Ingenio San Pablo, Tucuman. a Bagazo.	17
	b Cane sugar. 18
712. Padilla Hnos., Ingenio Mercedes, Tucuman. a Sugar cane plant and bagazo.	17
	b Cane sugar. 18
713. Portmans, J., Villa Urquiza, Entre Rios. Honey.	26
714. Posse, W., Ingenio Esperanza, Tucuman. Cane sugar.	18
715. Rosetti, C., Candelaria. Cane sugar.	18
716. Rouges, L., & Co., Ingenio Santa Rosa, Tucuman. Cane sugar.	18
717. San Germes, P., Santiago del Estero. a Cane sugar.	18
	b Sorghum honey. 24
718. Scott, J. M., & Co., Vista Alegre. Cane sugar.	18
719. Sociedad Anonima, Ingenio Providencia, Tucuman. a Bagazo.	17
	b Cane sugar. 18
720. Videla, J., Manantial, Tucuman. Cane sugar.	18
721. Zavaleta, B., Lules, Tucuman. Sugar cane plant.	17

GROUP 4.

722. Dagnino, I. M., Goya, Corrientes. Peanuts.	31
723. Danieri, O., Colonia Mercedes. Peanuts.	31
724. Dufour, N., Goya, Corrientes. Peanuts.	31
725. Frey, T., Colonia Avellaneda, Santa Fe. Peanuts.	31
726. Garcia, Lobraf D., Quilmes, Buenos Ayres. Peanuts.	31
727. Godoy, P. P. de, Paso de la Patria, Corrientes. Peanuts.	31
728. Goire, Benigno, Candelaria. Popi (manioc).	28

## Products of the Farm, Preserved Meats, Dairy Products, Vegetable Substances.

Exhibit No.	Class'n No.
729. Kuchem, T., Itati. Peanuts.	31
730. Luna, Liborio, 25 de Mayo. Peanuts.	31
731. Mariani, L., 25 de Mayo. Peanuts.	31
732. Mores, E., Cordoba. Peanuts.	31
733. Mendez, M., Candelaria. Peanuts.	31
734. Ocampo, B., Paso de la Patria, Corrientes. Peanuts.	31
735. Oberlin, E., Diamante, Entre Rios. Peanuts.	31
736. Olazani, H., Saladas, Corrientes. Peanuts.	31
737. Resoagli, J. L., Itzaingo. Peanuts.	31
738. Resoagli, Jose Luis, Itzaingo. Popi (manioc).	28
739. Reverchon, C., Posadas, Misiones. Peanuts.	31
740. Reynoso, J. P., San Juan. Peanuts.	31
741. Ricci, C. A., Itati. Peanuts.	31
742. Sohncke & Nussbaum, Puente de Oro. Peanuts.	31
743. Villalonga, A., Posadas, Misiones. Peanuts.	31
744. Wyl, J. von, Colonia Helvecia, Santa Fe. Peanuts.	31

## GROUP 5.

745. Bonifacio, E., Canelas, Buenos Ayres. Broom corn.	32
746. Brea, N., Roca, Buenos Ayres. Broom corn.	32
747. Campi, N., Carlos Casares, Buenos Ayres. Broom corn.	32
748. Chillado, Gonzales & Co., Roque Perez, Buenos Ayres. Broom corn.	32
749. Loson, J., Col. Avellaneda, Santa Fe. Broom corn.	32
750. Pierricetti, H., Las Heras, Buenos Ayres. Broom corn.	32
751. Ramsay, D., Temperley, Buenos Ayres. Broom corn.	32
752. Sasteny, Chivilcoy, Buenos Ayres. Broom corn.	32

## GROUP 6.

753. Caley & Co., Concordia, Entre Rios. Ox tongues.	36
754. Kemmerich, Prof., Meat & Extract Co., Santa Elena, Entre Rios. Extracts of meat, preserved meats, etc.	36

## GROUP 7.

755. Cetton, Juan, Colon, Entre Rios. Cheese.	43
756. Errecaborde, M., Shaw. Cheese.	43

Exhibit No.	Class'n No.
757. Garcia, Gregorio, Goya, Corrientes. Cheese.	
758. Larsen & Olcen, Buenos Ayres. Butter.	
759. Wulff, J., Shaw. Cheese.	

## GROUP 8.

760. Baia, J., Riacho de Oro. Tobacco.	
761. Balladares, R., Paso de la Patria. Tobacco.	
762. Bouvier, G., & Co., Chaco Central. Tobacco.	
763. Cainze, J. E., Tucuman. a Tobacco in the leaf. b Tobacco, commercial. c Cigars and cigarettes.	
764. Chiama, Juan, Gualaguay, Entre Rios. Coffee (Suico).	
765. Chueco, Hnos., Villa Emilia. Tobacco.	
766. Cornejo, E. T., El Rey, Salta. a Tobacco in the leaf. b Tobacco, commercial.	
768. Danieri, O., Formosa. Tobacco.	
769. Daumas, J., Buenos Ayres. a Tobacco. b Cigars and cigarettes.	
770. Delpiano & Gotusso Hnos., Empedrado, Corrientes. Tobacco.	
770a. Durand, Manuel, Buenos Ayres. Cigars and cigarettes.	
771. Echazu, Abraham, Campo Santo, Salta. a Peppers. b Tobacco.	
772. Gallardo, Carlos R., Misiones. Plant of yerba mate.	
773. Goicochea, Juan, Posadas, Misiones. Yerba mate.	
774. Goired, F., Posadas, Misiones. Tobacco.	
775. Government of Jujuy. Coffee.	
776. Guizza, Blas, Posadas, Misiones. Yerba mate.	
777. Guizza, B., Posadas, Misiones. Tobacco.	
777a. Hamelle, Alfredo, Posadas, Misiones. Coffee.	
778. Insaurralde, A., Saladas, Corrientes. Tobacco.	
779. Ledesma, I. F., Tucuman. Cigarettes (sugar cane leaf).	
780. Lessner, Fernando, Posadas, Misiones. One barrel of yerba mate.	
781. Ljhio, V., Resistencia. Tobacco.	
782. Lobos, J. F., Candelaria. Tobacco.	

Vegetable Substances, Animal and Vegetable Fibres.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
73. Luna, M. J., Tucuman.		809. Acusuro, J., Ayacucho, Buenos Ayres.	
a Tobacco in the leaf.	48	Fleeces.	60
b Tobacco, commercial.	51	810. Alchurrut, M., Coronel Dorrego,	
c Cigarettes.	52	Pampa Central. Fleeces.	60
74. Machicote Bros., La Paz. To-		811. Alston, J., Depto. 30, Pampa Central.	
bacco.	48	Fleeces.	60
75. Maradona, Antonio, Calingasta.		812. Alvear, Buenos Ayres. Fleeces.	60
Article.	47	813. Alzaga & Montoria, Navarro, Buenos	
76. Mantzel, O., Candelaria. Tobacco.	48	Ayres. Fleeces.	60
77. Martini, Manuel, Posadas, Misiones.		814. Amillano, M., Depto. 30, Pampa	
Coffee.	45	Central. Fleeces.	60
78. Mendez de Andes, Buenos Ayres.		815. Andriani, A., Resistencia, Chaco	
Cigars and cigarettes.	52	Austral. Caraguata and quyryndiy.	59
79. Mendez, M., Candelaria. Tobacco.	51	816. Anido, E., Monte, Buenos Ayres.	
80. Mendez, Salvatierra & Co., Rio		Fleeces.	60
Chico, Tucuman. Tobacco.	48	817. Apellany, V. de, Ayacucho, Buenos	
81. Miseses, C., Puerto Bermejo. To-		Ayres. Fleeces.	60
bacco.	48	818. Arrayagaray, C., Ayacucho, Buenos	
82. Murga, I., Concepcion, Tucuman.		Ayres. Fleeces.	60
Tobacco.	48	819. Arias, J., Castelli, Buenos Ayres.	
83. Nelson, Enrique M., Tucuman. Sev-		Fleeces.	60
eral samples of-		820. Arotzarena, J., Depto. 30, Pampa	
a Tobacco in the leaf.	48	Central. Fleeces.	60
b Tobacco, commercial.	51	821. Artayeta, Castex M., Juarez, Buenos	
83a. Neuenburg, Carlos, Posadas. Ex-		Ayres. Fleeces.	60
tract of yerba mate.		822. Artabe, Gerardo, Posadas, Misiones.	
84. Nougues, Hnos., San Pablo, Tucuman.		Cotton of Samohu.	59
Tobacco.	51	823. Argel, L., Ayacucho, Buenos Ayres.	
85. Nosiglia, P., Posadas, Misiones.		Fleeces.	60
Tobacco.	48	824. Aspiazu & Co., Depto. 30, Pampa	
86. Pisarello, B., Saladas, Corrientes.		Central. Fleeces.	60
Tobacco.	48	825. Aspitarte, F., Juarez, Buenos Ayres.	
87. Pomar, Gregorio, Rio Alto Parana.		Fleeces.	60
Hide of roe with yerba mate.	45	826. Barboza, J., Mar Chiquita, Buenos	
88. Resoagli, Jose Luis, Ituzaingo.		Ayres. Fleeces.	60
a Coffee (taperigual).	45	827. Barreras, J., Palen Telem, Buenos	
b Tobacco.	48	Ayres. Fleeces.	60
89. Resoagli, Juan, Corrientes. Yerba		828. Belando, E., 9 de Julio, Buenos Ayres.	
mate from Misiones.	45	Fleeces.	60
90. Reverchon, C., Posadas, Misiones.		829. Belloq, D., 9 de Julio, Buenos Ayres.	
Tobacco.	48	Fleeces.	60
91. Saleme, M., Tucuman. Tobacco.	48	830. Bell, G., Dolores, Buenos Ayres.	
92. Serra, J. M., Tucuman.		Fleeces.	60
a Tobacco in the leaf.	48	831. Bioz, J. B., Tapalque, Buenos Ayres.	
b Tobacco, commercial.	51	Fleeces.	60
c Cigarettes.	52	832. Bonifacio, E., Magdalena, Buenos	
93. Uribaru, N., Formosa. Tobacco.	48	Ayres. Fleeces.	60
94. Villagran, A. S., Salta. Cigarettes.		833. Bonorino, E., Mar Chiquita, Buenos	
	52	Ayres. Fleeces.	60
95. Virasoro, J. D., Saladas, Corrientes.		834. Bruland, Enrique, Santiago del Es-	
Tobacco.	48	tero. Leaves and fibres of chaguar.	59
96. Zapana, M. S., Salta. Cigarettes.		835. Buceta, N., Sauce Corto, Buenos	
	52	Ayres. Fleeces.	60
GROUP 9.		836. Carrizo, O. S., La Encarnacion,	
97. Achaval, Buenos Ayres. Fleeces.	60	Beunos Ayres. Fleeces.	60
98. Acuna, E., Mar Chiquita, Buenos		837. Carricaburo, P., Dolores, Buenos	
Ayres. Fleeces.	60	Ayres. Fleeces.	60
		838. Chapar, J., El Pescado, Buenos Ayres.	
		Fleeces.	60

## Animal and Vegetable Fibres.

Exhibit No.	Class'n	Exhibit No.	Class'n
839. Chiezza, M., Lobos, Buenos Ayres.	60	868. Ezcurra, S., Rauch, Buenos Ayres.	60
Fleeces.		Fleeces.	
840. Chillado, Gonzales & Co., Trenque Lauquen, Buenos Ayres.	60	869. Falomir, F., Depto. 11, Pampa Central.	60
Fleeces.		Fleeces.	
841. Chotro, J., Departamento 1, Pampa Central.	60	870. Fernandez & Gandulla, Depto. 1.	60
Fleeces.		Pampa Central.	60
842. Christenson, C., Rio de Oro, Chaco.	60	Fleeces.	
Fleeces.		871. Fremery, C., Roque Perez, Buenos Ayres.	60
843. Chueco Hermanos, Villa Emilia, Formosa.	59	Fleeces.	
Cotton of Samohu.		872. Garcia Bazan, Nicolas, Saladas, Corrientes.	60
844. Comision de Concepcion del Uruguay, Entre Rios.	59	Plants and fibres of flax.	
Espanja vegetal.		873. Garcia, Fernandez M., Depto. 1.	60
845. Comision de Empedrado, Corrientes.	59	Pampa Central.	60
Caraguata.		Fleeces.	
846. Cornell, R., Uruguay, Entre Rios.	60	874. Garcia, Soriano, Azul, Buenos Ayres.	60
Fleeces.		Fleeces.	
847. Culman, M., Rauch, Buenos Ayres.	60	875. Garralde, J., Rauch, Buenos Ayres.	60
Fleeces.		Fleeces.	
848. Custes, J., Las Martinetas, Buenos Ayres.	60	876. Garros, C., Coronel Suarez, Buenos Ayres.	60
Fleeces.		Fleeces.	
849. Cuto, R., Las Flores, Buenos Ayres.	60	877. Gibson, Hnos., Ajo, Buenos Ayres.	60
Fleeces.		Fleeces.	
850. Delaz, T., Buenos Ayres.	60	878. Ginocchio, B., Puirredon, Buenos Ayres.	60
Fleeces.		Fleeces.	
851. Delaner, N., Rawson, Buenos Ayres.	60	879. Ginocchio & Podesta, Rauch, Buenos Ayres.	60
Fleeces.		Fleeces.	
852. Devoto, Balbiani & Co., Buenos Ayres.	60	880. Ghiraldo, Saenz & Co., Carmen de Areco, Buenos Ayres.	60
Fleeces.		Fleeces.	
853. Devoto, Gallegos & Co., Sarmiento, Buenos Ayres.	60	881. Gogorza, M., Chascomus, Buenos Ayres.	60
Fleeces.		Fleeces.	
854. Diaz, A., Tapalque, Buenos Ayres.	60	882. Goire, Benigno, Candelaria, Misiones.	59
Fleeces.		Cotton with seed.	
855. Diaz, J.B., Las Flores, Buenos Ayres.	60	883. Goni, I., Magdalena, Buenos Ayres.	60
Fleeces.		Fleeces.	
856. Diaz, R., Las Flores, Buenos Ayres.	60	884. Gonzales, A., Depto. 1, Pampa Central.	60
Fleeces.		Fleeces.	
857. Dierks, M., Ayacucho, Buenos Ayres.	60	885. Goza, S., Tandil, Buenos Ayres.	60
Fleeces.		Fleeces.	
858. Dufour, M. L., Fsla de Oro, Formosa.	59	886. Government of Formosa. Various textile fabrics and barks and sack of caraguata.	59
Leaves and fibres of caraguata etc.		887. Government of Jujuy. Hammock of chaguar fibre.	59
859. Duggan, Hnos., Duggan, Buenos Ayres.	60	Fleeces.	
Fleeces.		888. Government of Misiones, Niederlein collection. Samples of climbing trees, textile plants and bamboo for twisting.	59
860. Duguenoz, A., Bahia de San Blas, Buenos Ayres.	60	Fleeces.	
Fleeces.		889. Government of Salta. Cotton of Samohu and sack of chaguar fibre.	59
861. Duranona, M., Juarez, Buenos Ayres.	60	Fleeces.	
Fleeces.		890. Government of Santa Fe. Caraguata fibre.	59
862. Echazu, Abraham, San Roque, Salta.	59	Plant of chaguar, and net of chaguar fibre.	
863. Echarrey, F., Maipu, Buenos Ayres.	60	891. Graciarena, A., Olavarria, Buenos Ayres.	60
Fleeces.		Fleeces.	
864. Eguier, M., Tres Arroyos, Buenos Ayres.	60	892. Graciarena, B., Depto. 3, Pampa Central.	60
Fleeces.		Fleeces.	
865. Erausi, N., Mar Chiquita, Buenos Ayres.	60	893. Granariona, A., Olavarria, Buenos Ayres.	60
Fleeces.		Fleeces.	
866. Errea & Hurtasum, La Gama, Buenos Ayres.	60	894. Hahn, Baron von. Plant of caraguata.	59
Fleeces.		895. Hallet, W. H., Azul, Buenos Ayres.	60
867. Etchelet, A., Salado, Buenos Ayres.	60	Fleeces.	
Fleeces.			

Animal and Vegetable Fibres.

Exhibit No.	Class'n No.
864. Ham, P., Baradero, Buenos Ayres.	
Fleeces.	60
867. Hammonet, A., & Co., Monteagudo, Formosa. Worked ramie.	59
868. Hanzelmann, Otto, Villa Ocampo. Cotton.	53
869. Hopff, M., Tapalque, Buenos Ayres.	
Fleeces.	60
900. Ibazeta, Ricardo, Tucuman. Cotton of Yuchan.	59
901. Imas & Rivers, Guamini, Buenos Ayres. Fleeces.	60
902. Iriarte, R., Ayacucho, Buenos Ayres. Fleeces.	60
903. Jijena, E., Depto. 1, Pampa Central. Fleeces.	60
904. Jolly, A., Arrecifes, Buenos Ayres. Fleeces.	60
905. Keen, Dr. E., Buenos Ayres. Fleeces.	60
906. Kuchem, Tedoro, Rev., Itati, Corrientes. Cotton with seed.	53
907. Lagueneche & Hijo, Monté, Buenos Ayres. Fleeces.	60
908. Lanasse, P. & A., Ayacucho, Buenos Ayres. Fleeces.	60
909. Larumbe, S., Arroyo Chico, Buenos Ayres. Fleeces.	60
910. Larredi, S., Ayacucho, Buenos Ayres. Fleeces.	60
911. Las Santos, de, Juarez, Buenos Ayres. Fleeces.	60
912. Leite, A., Loberia, Buenos Ayres. Fleeces.	60
913. Leloir, F., Laprida, Buenos Ayres. Fleeces.	60
914. Lobos, Jose F., Candelaria, Misiones. Cotton with seed.	53
915. Locas, Salvador T., Colon. Horse hair.	62
916. Lopez, S., San Vicente, Buenos Ayres. Fleeces.	60
917. Lowe, Nicolas, Mercedes, Buenos Ayres.	
Flax fibre.	59
Fleeces.	60
918. Lozon, Dr. Julio, Colony Avellaneda, Santa Fe. Ramie fibre.	59
919. Llamas, Antonio de, Puerto Bermejo, Chaco Austral. Caraguata and datil.	59
920. Llona, A., Tres Arroyos, Buenos Ayres. Fleeces.	60
921. Maguirre, P., Navarro, Buenos Ayres. Fleeces.	60
922. Maldotti, Angel, Pueblo Brugo, Entre Rios. Canapina plant and fibre.	59
923. Martinez, F., Arbolito, Buenos Ayres. Fleeces.	60

Exhibit No.	Class'n No.
924. Martins, J., & Co., Chascomus, Buenos Ayres. Fleeces.	60
925. Martinez de Hoz, E., Laprida, Buenos Ayres. Fleeces.	60
926. Martinez, S., Las Flores, Buenos Ayres. Fleeces.	60
927. Marquez, Francisco, Buenos Ayres. Pita fibre.	59
928. Mendez, J. M., & Co., Las Heras, Buenos Ayres. Fleeces.	60
929. Messtorff, N., Ayacucho, Buenos Ayres. Fleeces.	60
930. Miguens, F., Necochea, Buenos Ayres. Fleeces.	60
931. Miquelarena, F., Ayacucho, Buenos Ayres. Fleeces.	60
932. Molinas de Rojas, Francisca, Itati. Cotton.	60
933. Moras, J., & Hijo, 25 de Mayo. Buenos Ayres. Fleeces.	60
933a. Munti, Francisco, Lujan, Buenos Ayres. Absinthe.	69
934. Murray, J., Exaltacion de la Cruz. Buenos Ayres. Fleeces.	60
935. Musik, Rodolfo, Candelaria, Misiones. Cotton with seed.	53
936. Macdonald, N., Monte, Buenos Ayres. Fleeces.	60
937. Neco! & Aguirre, Buenos Ayres. Fleeces.	60
938. Newton, R. S., Buenos Ayres. Fleeces.	60
939. Niederlein Expedition to Gran Chaco and Misiones. Various fibres and articles made by Indians of Gran Chaco.	59
940. Niederlein & Vollenweider, Buenos Ayres. Caraguata plants and fibres.	59
941. Novoa, L., Buenos Ayres. Fleeces.	60
942. Nunez, M., Uruguay, Entre Rios. Fleeces.	60
943. Nunez, N., Arroyo del Medio, Buenos Ayres. Fleeces.	60
944. Oberlin, Eduardo, & Co., Diamante, Entre Rios. Brooms of palm.	59
945. Ojea, A., Suipacha, Buenos Ayres. Fleeces.	60
946. Olmos, Dr. Jose A., Tucuman. Ramie fibre.	59
947. O'Neill, T., Baradero, Buenos Ayres. Fleeces.	60
948. Ortega, J. M., Saladillo, Buenos Ayres. Fleeces.	60
949. Ortiz, F., Ayacucho, Buenos Ayres. Fleeces.	60
950. Ortiz, J., Ayacucho, Buenos Ayres. Fleeces.	60
951. Osornio, L. S., Las Grampas, Buenos Ayres. Fleeces.	60

## Animal and Vegetable Fibres.

Exhibit No.	Class'n No.
952. Otamendi, J., Loberia, Buenos Ayres.	60
Fleeces.	
953. Otero, F., El Triunfo, Buenos Ayres.	60
Fleeces.	
954. Otero, I. R., Balcarce, Buenos Ayres.	60
Fleeces.	
955. Pages, Pedro, Buenos Ayres. Pichana plants.	60
956. Parera, M. F., Pila, Buenos Ayres.	60
Fleeces.	
957. Parravicini, E., Depto. 3, Pampa Central.	60
Fleeces.	
958. Pegassano Hnos. & Repetto, Zarate. Buenos Ayres.	60
Fleeces.	
959. Peralta, J., Depto. 1, Pampa Central.	60
Fleeces.	
960. Peralta, Z., Ayacucho, Buenos Ayres.	60
Fleeces.	
961. Perez, B., Reconquista, Buenos Ayres.	60
Fleeces.	
962. Perez & Cueto, Dolores, Buenos Ayres.	60
Fleeces.	
963. Perez, P., Ayacucho, Buenos Ayres.	60
Fleeces.	
964. Peterson, J., Mar Chiquita, Buenos Ayres.	60
Fleeces.	
965. Phagosiapi, P., Depto. 3, Pampa Central.	60
Fleeces.	
966. Pino, Jose L. del Timbo, Chaco Austral.	53
Cotton with seed.	
967. Planas, Hnos., Ayacucho, Buenos Ayres.	60
Fleeces.	
968. Posse, M., Olavarria, Buenos Ayres.	60
Fleeces.	
969. Pradere, P., Ayacucho, Buenos Ayres.	60
Fleeces.	
970. Quintana, M., & Hijo, Uruguay.	60
Fleeces.	
971. Radowich, Adolfo, & Co., Dean Funes, Cordoba. Pita and palm fibre and cords, and tress work.	59
972. Ramsay, D., Ayacucho, Buenos Ayres.	60
Fleeces.	
973. Reinoso, A., Balcarce, Buenos Ayres.	60
Fleeces.	
974. Reinozo, Comandant Jose, San Juan, Formosa. Caraguata fibre.	59
975. Resoagli, F., Posadas, Buenos Ayres.	60
Fleeces.	
976. Rivero J., Saladillo, Buenos Ayres.	60
Fleeces.	
977. Rivero, T., Chascomus, Buenos Ayres.	60
Fleeces.	
978. Rodriguez de Faire, Buenos Ayres.	60
Fleeces.	
979. Rodriguez, J., Balcarce, Buenos Ayres.	60
Fleeces.	
980. Roman, Elias, Saladas, Corrientes.	53
Cotton with seed.	

Exhibit No.	Class'n No.
981. Sahrrea, J., Castelli, Buenos Ayres.	60
Fleeces.	
982. Sander, N., Ayacucho, Buenos Ayres.	60
Fleeces.	
983. San Germes, Pedro, Santiago de Estero. Cotton with seed.	59
984. Schumann, Teo, Buenos Ayres. Curundig bast, guembepi fibre, etc.	59
985. Senillosa, Felipe, El Venado, Buenos Ayres.	60
Fleeces.	
986. Senillosa, Pastor, San Felipe.	60
Buenos Ayres.	
Fleeces.	
987. Serantes, A., Las Flores, Buenos Ayres.	60
Fleeces.	
988. Serie, Pedro, Buenos Ayres. Sack caraguata (Tobas Indians).	59
989. Silva, Felipe, Candelaria, Misiones.	59
Cotton with seed.	
990. Socas, S. T., Colon, Entre Rios.	60
Fleeces.	
991. Sociedad Agricola, Entre Rios. Cotton with seed.	59
992. Sohnce, Alfredo, & Nussbaum. Puente de Oro, Chaco Austral. Textile plants, leaves, bast, barks, climbers, etc.	59
993. Sohnce & Nussbaum, Puente de Oro.	60
Fleeces.	
994. Solanet, F., Ayacucho, Buenos Ayres.	60
Fleeces.	
995. Somoza, J. L., San Nicolas, Buenos Ayres.	60
Fleeces.	
996. Souza, Martinez F., Balcarce, Buenos Ayres.	60
Fleeces.	
997. Soustalet, Hnos., Laprida, Buenos Ayres.	60
Fleeces.	
998. Staudt & Co., Buenos Ayres.	60
Fleeces.	
999. Sucesion Areco, Juarez, Buenos Ayres.	60
Fleeces.	
1000. Taillade, T. E., Shaw, Buenos Ayres.	60
Fleeces.	
1001. Tamazo, Juan C., Salta. Chagua and Yica leaves and fibres.	60
1002. Toledo, A., Balcarce, Buenos Ayres.	60
Fleeces.	
1003. Trelles, M., Ayacucho, Buenos Ayres.	60
Fleeces.	
1004. Tvethe, H. M., Corrientes. Plants barks and fibres of ramie and esponja vegetal and cotton of Samohu.	59
1005. Ubibillarrea, N., Dolores, Buenos Ayres.	60
Fleeces.	
1006. Unzue, S., & Hijos, Buenos Ayres.	60
Fleeces.	
1007. Uriburu, General Napoleon, Formosa. Caraguata twine.	60
1008. Urtiaga, J., Rauch, Buenos Ayres.	60
Fleeces.	

Vegetable Fibres, Mineral Water, Whiskies, Liqueurs and Alcohol.

Exhibit No.	Class'n No.
1009. Vailate, S., La Gama, Buenos Ayres. Fleeces.	60
1010. Valencon, Eugenio, Colony Las Toscas, Santa Fe. Cotton.	53
1011. Velox, A., Giles, Buenos Ayres. Fleeces.	60
1012. Vieira, Juap, San Juan, Misiones. Escobadura plant.	59
1013. Vivanco, Castellum & Co., Coronel Dorrego, Buenos Ayres. Fleeces.	60
1014. Vollenweider, Juan, San Fernando, Buenos Ayres. Bamboo basket (Misiones Indians.)	59
1015. Waetge & Schlieff, Buenos Ayres. Fleeces.	60
1016. Weban, P., General Rodriguez, Buenos Ayres. Fleeces.	60
1017. Wyl, Juan von, Helvecia, Santa Fe. Esponja vegetal.	59
1018. Zaavedra, L. M., Arrecifes, Buenos Ayres. Fleeces.	60

GROUP 10.

1019. Laracatas, Salta. Samples of mineral water.	64
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GROUP 11.

1020. Araoz & Leach, Jujui. Alcohol from sugar-cane.	68
1021. Avellaneda & Teran, Ingenio Los Ralos, Tucuman. Alcohol from sugar-cane.	68
1022. Bagley, M. S., & Co., Buenos Ayres. Hesperidina.	69
1023. Bidart & Suppi, Uruguay, Entre Ros.	
a Menta.	69
b Bitters.	70
1024. Bustamante & Co., Ingenio San Miguel, Tucuman. Alcohol from sugar-cane.	68
1025. Bouvier, G., & Co., Santa Elena, Chaco. Alcohol from sugar-cane.	68
1026. Carnassa, R., Buenos Ayres. Anise.	69
1027. Carton, L., Goya, Corrientes. Coca.	69
1028. Clarac Hnos., Buenos Ayres. Liqueurs.	69
1029. Clerici, D., Andagala.	
a Tuna rum.	67
b Alcohol of tare.	68
1030. Colobich, Buenos Ayres.	
a Menta.	69
b Bitters.	67
1031. Colonia Formosa, Vista Alegre. Alcohol from sugar-cane.	68
1032. Crepy, A., Colon. Orange Alcohol.	67

Exhibit No.	Class'n No.
1033. Destileria Franco Argentina, Conchitas, Buenos Ayres. Alcohol.	68
1034. Devoto, Rocha & Co., Buenos Ayres. Alcohol.	68
1035. Durand, J., Colon, Entre Rios. Peach alcohol.	67
1036. Erdmann & Sosa, Ingenio San Felipe, Tucuman. Alcohol from sugar-cane.	68
1037. Gallo, Hnos., Ingenio, Lujan Tucuman. Alcohol from sugar-cane.	68
1038. Garcia, V., Ingenio El Paraíso. Alcohol from sugar-cane.	68
1039. Griffa, E., & Co., Buenos Ayres.	
a Liqueurs.	69
b Fernet, vermouth and bitters.	70
1040. Guzman & Co., Ingenio Concepcion, Tucuman. Alcohol from sugar-cane.	68
1041. Hileret, C., Ingenio Lules, Tucuman. Alcohol from sugar-cane.	68
1042. Hileret & Rodrigue, Ingenio Santa Ana, Tucuman. Alcohol from sugar-cane.	68
1043. Huergo, J., & Co., Buenos Ayres. Liqueurs.	69
1044. Lavagna, G., Cordoba. Liqueurs.	69
1045. Lencioni, F., Uruguay, Entre Rios.	
a Rum.	67
b Anise.	69
c Vermouth and fernet.	70
1046. Leon, M. A., de, Posadas, Misiones.	
a Liqueurs.	69
b Bitters.	70
1047. Leonhardt, A., Reconquista. Alcohol of sorghum cane.	68
1048. Lessner, F., Posadas, Misiones. Capii-caty alcohol.	67
1049. Luis & Huser, Buenos Ayres. Vinegars.	71
1050. Maradona, Antonio, Desamparados.	
a Anise.	69
b Vermouth.	70
1051. Maurin, Juan, San Juan. Vermouth.	70
1052. Medina, A., Ingenio San Vicente, Tucuman. Alcohol from sugar-cane.	68
1053. Mendes, Salvatierra & Co., Trinidad, Tucuman. Alcohol from sugar-cane.	68
1054. Methven, Hnos., Ingenio Azucarera, Argentina, Tucuman. Alcohol from sugar-cane.	68
1055. Mino, Posadas, Misiones. Guarani bitters.	70
1056. Monte, Francisco, Lujan.	
a Liqueurs.	69
b Fernet and bitters.	70
1057. Moreno, F., Ingenio Santa Lucia, Tucuman. Alcohol from sugar-cane.	68



Literature and Statistics of Agriculture, Farm Tools, Miscellaneous Animal Products.

Exhibit No.	Class'n No.
1112. Godoy, Nicolas, Mendoza. Samples of earth.	83
1113. Godoy, Pedro, Mendoza. Samples of earth.	83
1114. Gonzalez, Francisco Chaves, Itati, Corrientes. Sample of earth.	83
1114a. Gomez, Manuel, Salta. Samples of earth.	83
1115. Guazzone, J., Olavarria. Samples of earth.	83
1116. Hahn, Juan Baron de, Buenos Ayres. Samples of earth from different provinces.	83
1117. Hileret, Cldomiro, Famailla, Tucuman. Samples of earth.	83
1118. Lehmann & Neusche, Bahia Blanca. Samples of earth.	83
1119. Llamas, C. A. de, Puerto Bermejo. Samples of earth.	83
1120. Marengo, Cereseto & Co., San Juan. Samples of earth.	83
1121. Martin & Co., Mendoza. Samples of earth.	83
1121a. Masa, F., Mendoza. Samples of earth.	83
1121b. Mesples, Augusto L., Tucuman. Samples of white earth.	83
1121c. Mihanovich, N., Chaco. Samples of earth.	83
1121d. Morales, A., Chaco. Samples of earth.	83
1121e. Nelson, Enrique & M. Collection of 129 samples of earth from the states of Tucuman and Cordoba.	83
1121f. Niederlein, Gustavo. Collection of 5 samples of earth from Corrientes, Misiones, Formosa, Chaco and Sante Fe.	83
1121g. Oberlin, E., Entre Rios. Samples of earth.	83
1121h. Pages, Pedro, Buenos Ayres. Samples of earth.	83
1121i. Pierzechatti, D., Las Heras, Buenos Ayres. Samples of earth.	83
1121j. Pino, Nabor, Graneras, Tucuman. Samples of earth.	83
1121k. Pomar, Gregorio, Misiones. Samples of earth.	83
1122. Pomar, Pablo, Puerto Teresa. Samples of earth.	83
1123. Rearte, Samuel, Caspinchanga, Tucuman. Samples of earth.	83
1124. Riverieux, M., Buenos Ayres. Samples of earth.	83
1125. Riverieux, Ramon, Montequeto. Samples of earth.	83
1126. Rocks & Bodega, Concepcion del Uruguay, Entre Rios. Samples of earth.	83
1127. Rodriguez, A., Montelindo. Samples of earth.	83

Exhibit No.	Class'n No.
1128. Schwieter, Guillermo, Santa Fe. Sample of earth.	83
1129. Sociedad, Curumalan, Buenos Ayres. Samples of earth.	83
1130. Sohnecke & Nussbaum, Puente de Oro. Samples of earth.	83
1131. Stuhldreher, Bahia Blanca, Buenos Ayres. Samples of earth.	83
1132. Suarez, Eduardo, Buenos Ayres. Samples of earth.	83
1133. Tomkinson, Dunzey & Co., Estancia la Blanqueda. Samples of earth.	83
1135. Vieira, Juan, San Juan. Samples of earth.	83
1136. Vigneau, G., Aquino Colony. Samples of earth.	83
1137. Villanueva, Elias, Totoral. Sample of earth.	83
1138. Vollenweider, Juan, San Fernando. Sample of earth.	83
1138a. Wagner, Frederico, Dr., Santa Fe. Samples of earth.	83
1139. Wyl, Juan von, Helvecia, Santa Fe. Sample of earth.	83
1140. Zazvaleta, Benito, Lules, Tucuman. Sample of earth.	83
1141. Zotero, Desiderio, Tunuyan. Sample of earth.	83
1142. Zwack, German, Bahia Blanca, Buenos Ayres. Sample of earth.	83

GROUP 16.

1143. Avengusen Hnos., Parana. Plow.	84
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GROUP 17.

1144. Aceval, J., Chascomus, Buenos Ayres. Sheep skins and nutria skins.	90
1145. Alonso, A., Southern Buenos Ayres. Sheep skins.	90
1146. Alston, Juan, Estancia Carlota. Skins of wild animals.	90
1147. Alzaga, T., Tres Arroyos, Buenos Ayres. Sheep skins.	90
1148. Althaparro, N., Southern Buenos Ayres. Sheep skins.	90
1149. Aragon, Solano & Co., Jujuy. Goat skins.	90
1150. Arestizabal, Jose M. de, Mendoza. Goat skins.	90
1151. Aristabal, E., La Bilbaina, Buenos Ayres. Sheep skins.	90
1152. Arizal, M., Southern Buenos Ayres. Sheep skins.	90
1153. Alvear, A. Tde, Northern Buenos Ayres. Sheep skins and gama skins.	90
1154. Alzaga, Felix, Tres Arroyos, Buenos Ayres. Horse hair.	91
1155. Ayarragaray & Capdepon, Azul, Buenos Ayres. Sheep skins.	90

## Miscellaneous Animal Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1156. Ballarini, Augusto, Buenos Ayres.		1184. Ghinocchio & Podesta, Arbol	
Carpincho skin.	90	Buenos Ayres. Nutria skins.	
1157. Basabilvaso, Rufino, Lincoln, Buenos Ayres. Sheep skins.	90	1185. Ghinocchio & Pico, Southern Buenos Ayres. Sheep skins.	
1158. Basabilvaso & Co., Mar del Plata, Buenos Ayres. Cow hide.	90	1186. Ghio, Victoria, Resistencia. Wild animal skins.	
1159. Bellocq & Durañona, Vivorata, Buenos Ayres. Sheep skins and nutria skins.	90	1187. Ghoranchi, J., Southern Buenos Ayres. Sheep skins.	
1160. Bettfreund, Prof. Carl, Buenos Ayres. Guano from San Julian, Patagonia.	92	1188. Ghiraldo, Saenz & Co., Chivilcoy, Buenos Ayres. Sheep skins.	
1161. Biay, J. B., Southern Buenos Ayres. Sheep skins.	90	1189. Gomez, S. A., Southern Buenos Ayres. Sheep skins.	
1162. Boskowitz, J. A., Buenos Ayres. Lobo skin.	90	1190. Gonza, Jose Maria, Jujuy. Vicuña and guanaco skins.	
1163. Buyan, L., Southern Buenos Ayres. Sheep skins.	90	1191. Goyenechea, Bilbao & Co. Nutria skins.	
1164. Cadmus y Hudson, Sauce Corto, Buenos Ayres. Sheep skins.	90	1192. Gros, F., Zarate. Nutria skins.	
1165. Cambas, T., Western Buenos Ayres. Sheep skins.	90	1193. Guerrero, Carlos, Southern Buenos Ayres. Sheep skins.	
1166. Campbell-Johnston, Alejandro, Buenos Ayres. Caraya skins.	90	1194. Hardy, Carlos, Las Palmas. Rabbit skin.	
1167. Carrillo, Joaquin, Jujuy. Wild animal skins.	90	1195. Hurtosus, E., Rauch, Buenos Ayres. Sheep skin.	
1168. Chapar, Erramauspe & Co., Maipú, Buenos Ayres. Sheep skins.	90	1196. Imas & Rivero, Guamini, Buenos Ayres. Sheep skins.	
1169. Chillado, Gonzales & Co., Saladillo, Buenos Ayres. Sheep skins.	90	1197. Kelsey, G., & Co., Mar del Plata, Buenos Ayres. Sheep skins.	
1170. Chueco Hermanos, Villa Emilia. Boa skin.	90	1198. Lanus, Lanusse & Co., Ramallo, Buenos Ayres. Sheep skins.	
1171. Comision Exposicion del Diamante. Wild animal skins.	90	1199. Lanusse, P. & A., Las Flores, Buenos Ayres. Sheep skins.	
1172. Comision de, Entre Rios. Wild animal skins.	90	1200. Lanusse, Pedro, Southern Buenos Ayres. Sheep skins.	
1173. Costa, F., Southern Buenos Ayres. Sheep skins.	90	1201. Leguineche & Hijo, Las Flores, Buenos Ayres. Sheep skins.	
1174. Custes, J., Rocha, Buenos Ayres. Sheep skins.	90	1202. Leguinechea & Hijo, Buenos Ayres. Nutria skins.	
1175. Devoto, Balbiani & Co., Buenos Ayres. Sheep skins.	90	1203. Lindstroem, Juan, Rio de Oro. Yacare (alligator) skin.	
1176. Diercks & Messtorf. Nutria skins.	90	1204. Livi, Martin J., Santa Fe. Carpincho skin.	
1177. Duggan Hermanos, Western Buenos Ayres. Sheep skins and wild animal skins.	90	1205. Llamayares, M. G., Northwest Buenos Ayres. Sheep skins.	
1178. Echegaray, Luis, & Co., Buenos Ayres. Nutria skins.	90	1206. Lopez, Comandante, Formosa. Cabra and pecari skins.	
1179. Ezeiza, Nicanor, Southern Buenos Ayres. Sheep skins.	90	1207. Lynch, Belisario, Western Buenos Ayres. Sheep skins.	
1180. Florencia Colony, Santa Fe. Wild animal skins.	90	1208. Martinez de Hoz, Benjamin, Southern Buenos Ayres. Sheep skins.	
1181. Fremery, Carlos, Buenos Ayres. Nutria skins.	90	1209. Martin, Manuel, Formosa. Iguazú skins.	
1182. Gabardini, R., & Co., Resistencia. Wild animal skins.	90	1210. Martin & Co., Chascomus. Buenos Ayres. Sheep skins.	
1183. Gallardo, Carlos R., Buenos Ayres. Wild animal skins.	90	1211. Mantalen Hnos. & Co., Chascomus, Buenos Ayres. Sheep skins.	
		1212. Moran, R., Gualaguay, Entre Rios. Sheep skins.	
		1213. Niederlein Expedition to Gran Chaco and Misiones. Wild animal skins.	

Miscellaneous Animal Products, Oil.

Exhibit No.	Class'n No.
1214. Nogue Hermanos, Reconquista.	
Wild animal skins.	90
1215. Novoa Liborio, Luipacha, Buenos Ayres.	
Sheep skins.	90
1216. Nocol & Aguirre, Mar del Plata, Buenos Ayres.	
Sheep skins.	90
1217. Nobthe & Videla, Southern Buenos Ayres.	
Sheep skins.	90
1218. Noceti, N., Southern Buenos Ayres.	
Sheep skin.	90
1219. Ochott, J., Magdalena.	
Hog skin.	90
1220. Ortiz, Fermin, Ayacucho, Buenos Ayres.	
Sheep skins.	90
1221. Orqueira, M., Southern Buenos Ayres.	
Sheep skins.	90
1222. Ojea, Antonio, & Co., Luipacha, Buenos Ayres.	
Sheep skins.	90
1223. Ovejero, Eduardo, Jujuy.	
(deer) skin.	90
1224. Parrera, Manuel T., Southern Buenos Ayres.	
Sheep skins.	90
1225. Parera, Manuel F., Chaco Austral.	
Nutria skins.	90
1226. Patino & Co., Rauch, Buenos Ayres.	
Sheep skins.	90
1227. Perez & Cueto, Laguna, de Tuancho, Buenos Ayres.	
Sheep skins and wild animal skins.	90
1228. Pierrez, A. & E., Southern Buenos Ayres.	
Sheep skins.	90
1229. Pegasano Hnos. Y. Repetto, Juarez, Buenos Ayres.	
Sheep skins.	90
1230. Pegasano, Hnos y Pesano, S. Buenos Ayres.	
Sheep skins.	90
1231. Patino, M. R., & Co., Rauch, Buenos Ayres.	
Sheep skins.	90
1232. Petruzzelli, Jose, Jujuy.	
Vicuña skin.	90
1233. Pomar, Gregorio, Alto Parana.	
Venado de campo (deer) skin.	90
1234. Pomar, Pablo, Puerto Teresa.	
Tiger skin.	90
1235. Rawson, Chubut.	
Bone ashes.	90
1236. Resta Anacleto, Buenos Ayres.	
Tamandua guazu (ant-eater) skin.	90
1237. Reverchon & Kopf, Posadas, Misiones.	
Yagualtrica and lobo skins.	90
1238. Richi, Western Buenos Ayres.	
Sheep skins.	90
1239. Rivera, Juan & Hijo, Buenos Ayres.	
Wild animal skins.	90
1240. Rodriguez, Abella, Southern Buenos Ayres.	
Sheep skins.	90
1241. Rodriguez, Jose, Buenos Ayres.	
Waves skins.	90
1242. Roetti, S., Southern Buenos Ayres.	
Sheep skins.	90

Exhibit No.	Class'n No.
1241. Ramsay, D., Sauce Corto, Buenos Ayres.	
Sheep skins.	90
1242. Salaverry & Errecaborde, San Pedro, Buenos Ayres.	
Nutria skins.	90
1243. Sansinena & Jouy, Southern Buenos Ayres.	
Sheep skins.	90
1244. Sante, Pedro, Southern Buenos Ayres.	
Sheep skins.	90
1245. Schumann, Teo, Buenos Ayres.	
Wild animal skins.	90
1246. Serie, Pedro. Cuati skin.	90
1247. Serantes, Alberto, Dolores, Buenos Ayres.	
Nutria skins.	90
1248. Servantes & Co., Dolores, Buenos Ayres.	
Sheep skins.	90
1249. Sohnecke, Alfredo, & Nussbaum, Puente de Oro.	
Wild animal skins.	90
1250. Somoza, E., & Co., Arrecifes, Buenos Ayres.	
Sheep skins.	90
1251. Souza Martinez, T. de, Las Flores, Buenos Ayres.	
Sheep skins.	90
1252. Sante, Pedro, Southern Buenos Ayres.	
Sheep skins.	90
1253. Sociedad Anonima "La Portefia," Buenos Ayres.	
Hides and sheep skins.	90
1254. Souza Martinez, Francisco de, Mar del Plata.	
Nutria skins.	90
1255. Subprefectura, Formosa.	
Zorro (fox) skin.	90
1256. Talino, P., Northern Buenos Ayres.	
Sheep skins.	90
1257. Thompson, E. A., Southern Buenos Ayres.	
Sheep skins.	90
1258. Thornmey, E., Southern Buenos Ayres.	
Sheep skins.	90
1259. Trebino, L., & Co., Buenos Ayres.	
a Guano of Patagonia, phosphates, sulphates and nitrates.	
b Sulphate of chalk, nitrates, etc., of Patagonia.	93
1260. Trelles, J. M., Southern Buenos Ayres.	
Sheep skins.	90
1261. Unzue, S. & Hijos. San Antonio de Arco, Buenos Ayres.	
Sheep skins.	90
1262. Urquiaga, J. M., Southern Buenos Ayres.	
Sheep skins.	90
1263. Valdi, Dr., Jujuy.	
Chinchilla and vizcachas skins.	90
1264. Videla & Nolte, Jeppene, Buenos Ayres.	
Sheep skins.	90
1265. Vigneau, Gabriel, Colony Aquino, Formosa.	
Tamandua guazu and yacare skins.	90
1266. Vina, R., Arrecifes, Buenos Ayres.	
Sheep skins.	90

GROUP 18.

1267. Alonzo, A., & Co., 25 de Mayo, Buenos Ayres.	
Turnip seed oil.	95

## Fats, Oils, Soaps, Candles, etc.

Exhibit No.	Class No.	Exhibit No.	Class No.
1268. Andreu & Labro, Juarez, Buenos Ayres. Turnip seed oil.	95	1297. Cortinez, Ardeana. Turnip seed oil.	
1269. Angaut, Juan, Zarate, Buenos Ayres. Flax oil.	95	1298. Curial, Pedro, Candelaria. Castor bean.	
1270. Argerich, Juan M., San Nicolas, Buenos Ayres. Flax oil.	95	1299. Deferrari, F., Alberti, Buenos Ayres. Flax and turnip seed oils.	
1271. Arnade, 9 de Julio, Buenos Ayres. Flax oil.	95	1300. Deasein, Alfredo, Mar del Plata. Buenos Ayres. Linseed and colewort oil.	
1272. Arestizabal, M. de, Mendoza. Wax.	97	1301. Devoto, Balbiani & Co., Santa Fe. Antonio, Buenos Ayres. Flax and turnip seed oils.	
1273. Balbiani & Co., Lobos, Buenos Ayres. Flax oil.	95	1302. Diehl, Voghtner & Co., Castor. Flax.	
1274. Balhorst, F., Villa Urquiza. Wax.	97	1303. Duggan Hnos., Las Rosas, Buenos Ayres. Flax.	
1275. Balsequi, C., Roque Perez, Buenos Ayres. Flax oil.	95	1304. Eilenberger, Wendt & Co., Chivilcoy. Buenos Ayres. Turnip seed and other oils.	
1276. Bancara, Fernando, Chivilcoy. Buenos Ayres. Turnip seed oil.	95	1305. Elordy, J., Azcuenega, Buenos Ayres. Flax oil.	
1277. Barreau, E., La Capilla. Flax oil.	95	1306. Esquivel, Mercedes, Buenos Ayres. Turnip seed oil.	
1278. Bellocq & Durañona, Olavarria, Buenos Ayres. Turnip seed oil.	95	1307. Galli Hnos., Buenos Ayres. Castor oil.	
1279. Benvenuto & Co., Pena, Buenos Ayres. Flax oil.	95	1308. Garcia, Las Heras, Buenos Ayres. Turnip seed oil.	
1280. Bergery, P., Buenos Ayres. Sweet oils.	95	1309. Gargallo, Lujan, Buenos Ayres. Flax oil.	
1281. Bertram, E., Azcuenega, Buenos Ayres. Flax oil.	95	1310. Garre, E., Pehuajo, Buenos Ayres. Coliandro seed oil.	
1282. Bonifacio, E., Canuelas, Buenos Ayres. Turnip seed oil.	95	1311. Genaud, Benvenuto & Co., Santa Fe. Buenos Ayres. Flax oil.	
1283. Bouchard, Pablo, Santo Tome. Peanut oil and stock cake.	95	1312. Ghiraldo, Saenz & Co., Rodriguez. Buenos Ayres. Flax oil.	
1284. Brebia, Carlos, Villa Casilda, Santa Fe. Flax and turnip seed oils.	95	1313. Goyenechea, Bilbao & Co., Lujan. Buenos Ayres. Turnip seed oil.	
1285. Briguela, Bragado, Buenos Ayres. Turnip seed oil.	95	1314. Grapiolo, C., Sauce Corto, Buenos Ayres. Flax oil.	
1286. Caballero, Francisco, Bragado, Buenos Ayres. Turnip seed oil.	95	1315. Gribben & Co., Duggan, Buenos Ayres. Flax oil.	
1287. Calvo, N., Mercedes, Buenos Ayres. Flax oil.	95	1316. Grieben, E., San Miguel, Buenos Ayres. Turnip seed oil.	
1288. Carrica, Junin, Buenos Ayres. Turnip seed oil.	95	1317. Guglielmetti, Buenos Ayres. Lard.	
1289. Castanas, V. M., Canuelas, Buenos Ayres. Flax oil.	95	1318. Hang, Conrado, Col. Esperanza. Santa Fe. Flax oil.	
1290. Castanos, J. M., Tandil, Buenos Ayres. Turnip seed oil.	95	1319. Insausta, F., Lujan, Buenos Ayres. Turnip seed oil.	
1291. Castellanos, W., Carlos Casares, Buenos Ayres. Sunflower oil.	95	1320. Janso, Roque Perez, Buenos Ayres. Flax oil.	
1292. Colonia 3 de Mayo, Empedrado, Corrientes. Sunflower oil.	95	1321. Joray, E., Uruguay, Entre Rios. Wax.	
1293. Chewester, T., Carcarana, Santa Fe. Turnip seed oil.	95	1322. Keen, E. A., Olavarria, Buenos Ayres. Flax oil.	
1294. Chiama, Juan, Gualaguay, Entre Rios. Flax and sunflower oils.	95	1323. Klocker, I. B. de, Villa Urquiza. Animal oils and fats.	
1295. Chillado, Gonzales & Co., Junin, Buenos Ayres. Flax and turnip seed oils.	95	1324. Lagarmarcino, Acevedo, Buenos Ayres. Turnip seed oil.	
1296. Colonia 3 de Mayo, Empedrado, Corrientes. Castor bean oil.	95		

Fats, Soaps, Oils, Candles, etc.

Exhibit No.	Class'n No.
135. Lecocq, Buenos Ayres. Various sweet oils.	95
136. Lozon, Julio, Col. Avellaneda. Castor bean oil.	95
137. Lufjohan, F., Chivilcoy, Buenos Ayres. Flax and turnip seed oils.	95
138. Michicote Hnos., La Paz. Wax.	97
139. Marconi, Antonio, San Nicolas, Buenos Ayres. Turnip seed oil.	95
140. Mathen, Jose, Lujan, Buenos Ayres. Turnip seed oil.	95
141. Mocilde, Alberti, Buenos Ayres. Turnip seed oil.	95
142. Nogueras, B., Las Heras, Buenos Ayres. Flax oil.	95
143. Novoa, Liborio, 9 de Julio, Buenos Ayres. Turnip seed oil.	95
144. Ocampo, Chivilcoy, Buenos Ayres. Flax oil.	95
145. Orcoyen, Castano & Avendano, O'Higgins, Buenos Ayres. Flax oil.	95
146. Ojea, Antonio, Mercedes, Buenos Ayres. Flax oil.	95
147. Orcozar, Castano, & Co., O'Higgins, Buenos Ayres. Flax oil.	95
148. Pataras, Carlo Casares, Buenos Ayres. Flax oil.	95
149. Pegasano Hnos., Repetto, Chivilcoy, Buenos Ayres. Flax oil.	95
150. Perazzo, David, Lobos, Buenos Ayres. Flax oil.	95
151. Perez, San Andres de Giles, Buenos Ayres. Flax oil.	95
152. Pareja, Antonio, & Hijo, General Paz. Castor bean oil.	95
153. Piazso Hnos., Azul, Buenos Ayres. a Animal oils and fats.	94
b Soaps.	96
154. Florutti, J. A., Parana, Entre Rios. a Animal oils and fats.	94
b Soaps.	96
c Candles.	97
155. Pomar, G., Alto Parana. Wax.	97
156. Ramsay, A., Florencio Varela. Sun-dower oil.	95
157. Repetto, J. B., Buenos Ayres. Marrow fat.	94
158. Rodriguez, A., Pilcomayo. Wax.	97

Exhibit No.	Class'n No.
1349. Rolaz, Luis, Diamante, Entre Rios. Castor bean oil.	95
1350. Saenz, Emilio, Pergamino, Buenos Ayres. Flax oil.	95
1351. Saenz, E., Pergamino, Buenos Ayres. Flax oil.	95
1352. Saenz, Tornquist, Buenos Ayres. Flax oil.	95
1353. San Germes, Pedro, Santiago del Estero. Castor bean oil.	95
1354. Sansinena, Buenos Ayres. Lard.	94
1355. Sanz, Isidoro, Del Carril, Buenos Ayres. Flax and turnip seed oils.	95
1356. Sarlen, Mercedes, Buenos Ayres. Flax oil.	95
1357. Sicardi, B., Mendoza. Wax and candles.	97
1358. Ghio, V., Resistencia. Wax.	97
1359. Sohncke, Alfredo, Rio de Oro. Castor bean oil.	95
1360. Steger, J., Diamante, Entre Rios. Wax.	97
1361. Terves, A., Mercedes, Buenos Ayres. Flax and turnip seed oils.	95
1362. Trappi, Riachuelo, Buenos Ayres. Flax oil.	95
1363. Unzue, S., & Hijos, Pergamino, Buenos Ayres. Flax and turnip seed oils.	95
1364. Wyl, Juan von, Col. Helvecia. Santa Fe. Flax oil.	95
1365. Zanazzi & Co., Col. Avellaneda, Santa Fe. Flax, castor and peanut oils.	95
1366. Zarate, A., Zarate, Buenos Ayres. Turnip seed oil.	95

Exhibits Classified in Other Departments but Installed in This.

DEPARTMENT C.

GROUP 34.

1. Arestizabel, Jose, M. de Mendoza. Feathers of the American ostrich. 232
2. Videla, Juan, Eloisa. Ostrich Skins. 232

## AUSTRIA.

## LOCATION—SEC. B—N. W. QUARTER.

Cereals, Root Crops, Hops, Vegetable Fibres, Mineral Water, Liqueurs, Malt Liqueurs

## GROUP 1.

- | Exhibit No.   | Class No. |
|---|-----------|
| 1. Kulbelka Gebrüder, Klosterhradisch (Moravia). Barley.                  | 4         |
| 2. Landwirtschaftlicher Verein, Prerau (Moravia). Agricultural products.  |           |
| 3. Landwirtschaftlicher Verein, Wischau (Moravia). Agricultural products. |           |
| 4. Landwirtschaftlicher Verein, Olmutz (Moravia). Agricultural products.  |           |

## GROUP 3.

- |   |    |
|---|----|
| 5. Ambrozic, Michael, Moistrana (Cranio-ola). Appliances for the cultivation of bees. | 26 |
|---|----|

## GROUP 4.

- |   |    |
|---|----|
| 6. Jirku, H., Birnbaum (Moravia). Seeds of sugar turnips. | 30 |
|---|----|

## GROUP 5.

- |   |    |
|---|----|
| 7. Trezinski, S., Sieniawa (Galicia). Shelled pulses. | 32 |
|---|----|

## GROUP 8.

- |   |    |
|---|----|
| 8. Elias, V., Urbno (Bohemia). Hops.                            | 46 |
| 9. Hausmann, Anton, Urbno (Bohemia). Hops.                      | 46 |
| 10. Hopfenmarkt-Halle, Rakonitz (Bohemia). Hops.                | 46 |
| 11. Hopfensignirhalle der Stadt Auscha, Auscha (Bohemia). Hops. | 46 |
| 12. Kotanyi, Johann, Vienna. Paprika.                           | 47 |
| 13. Pfister & Wuestel, Laaz (Bohemia). Hops.                    | 46 |
| 14. Piette, P., Freiheit (Bohemia). Cigarettes.                 | 52 |
| 15. Schlesinger, Robert, Vienna. Paprika.                       | 47 |
| 16. Sonnenschein & Landesmann, Prag (Bohemia). Hops.            | 46 |
| 17. Uejka, Anton, Urbno (Bohemia). Hops.                        | 46 |

## GROUP 9.

- |  |    |
|--|----|
| 18. Antichievich, Giovanni, Postiv (Dalmatia). Chrysanthemum for insecticides. | 57 |
| 19. Bilic, Giuseppe L., Sebenico (Dalmatia). Chrysanthemum for insecticides.   | 57 |

## Exhibit No.

- |  |  |
|--|--|
| 20. G6dnig, Eugenio, Zara (Dalmatia). Chrysanthemum for insecticides.          |  |
| 21. Plenkovic, G., Gelsa (Dalmatia). Chrysanthemum for insecticides.           |  |
| 22. Zaranic, Johann, & Co., Grablje (Dalmatia). Powder for destroying insects. |  |

## GROUP 10.

- |  |  |
|--|--|
| 23. Mattoni Heinrich, Giesshuebl-Puchstein, near Carlsbad. Mineral waters and well products. |  |
| 24. Mineralquellen, Levice (Tirole). A senic mineral waters.                                 |  |
| 25. Mineralquellen Franz Josef, Bitterquelle, Buda-Pesth. Bitter mineral waters.             |  |
| 26. Mineralquellen, Franzensbad, Moorpramen (Bohemia). Mineral waters.                       |  |
| 27. Mineralquellen Hunyadi, Buda-Pesth. Bitter mineral waters.                               |  |
| 28. Mineralquellen, Rohitsch (Stiria). Mineral waters.                                       |  |

## GROUP 11.

- |   |  |
|---|--|
| 29. Crkal, Anton, Sohn, Zieb (Bohemia). Liqueurs.                                     |  |
| 30. Kotanyi, Johann, Vienna. Paprika liqueurs.  |  |
| 31. "La Ferme," Liqueurfabrikations-Acengesellschaft, Dobruschka (Bohemia). Liqueurs. |  |
| 32. Lichtwitz, Albert, & Co., Tropp (Silesia). Liqueurs.                              |  |
| 33. Luxardo, Girolamo, Zara (Dalmatia). Maraschino and other liqueurs.                |  |
| 34. Reich's Moritz Nachfolger (Sigmund Reich) Biala (Silesia). Liqueurs.              |  |
| 35. Vantoch, Ludwig, Nimburg (Bohemia). Liqueurs.                                     |  |

## GROUP 12.

- |   |  |
|---|--|
| 36. Hauser & Sobotka, Stadlau, near Vienna. Malt and malt products.             |  |
| 37. Kubelka Gebrüder, Klosterhradisch (Moravia). Malts.                         |  |
| 38. Tritzler, Anton, Vienna. Malts.   |  |
| 39. Ujezder Malzfabrik Schindler & Stebruenn (Moravia). Malt and malt products. |  |

## Statistics of Agriculture, Fats, Oils

## GROUP 15.

Exhibit No.	Class'n No.
41. Ackerbau Ministerium, Vienna. Atlas of the agriculture of Austria.	83
42. Schachinger, P. Coelestin M., Teutendorf (Lower Austria). Work upon cultivation of bees.	83
43. Samencontrol-Station der K.K., Landwirtschaftsgesellschaft, Vienna. Publications on seed raising.	83

## GROUP 17.

Exhibit No.	Class'n No.
43. Spieler & Eisler, Vienna. Horn & whale bones.	90
44. Gartenberg, Lanterbach, Goldhammer & Wagmann, Drohobycz (Galicia). Ceresine, paraffine, wax.	97
45. Weinkamer Gebrüder, Salzburg. Wax and waxen goods.	97
46. Zaranic, Johann & Co., Grablje (Dalmatia). Rosemary oil.	95

## AUSTRALIA.

## LOCATION-SEC. A-N. E. QUARTER.

## Animal Fibres.

## GROUP 9.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Australian Mortgage Land and Finance Company. Wool fleeces.	60	6. Elder, Nairne, The Meadows, Rokewood. Wool.	60
2. Bailey & Wynne, Terinallum, Darlington. Wool and fleeces.	60	7. Lewis, Wm., Stoneleigh, Beaufort. Wool and fleeces.	60
3. Clarke, Sir Wm. John, Bolinda Vale, Lancetfield. Wool.	60	7a. Mack, Joseph, Berrybank, Lismore Victoria, Australia. Wool fleeces.	60
4. Cummings, Wm., & Son, Mount Fyans, Camperdown. Wool fleeces.	60	8. Ritchie, Mrs. Frances, Blythevale, Streatham. Wool fleeces.	60
5. Carrie, John, Titanga and Gala, Lismore. Wool fleeces.	60	9. Russell Bros., Carngham. Wool fleeces.	60
6. Carrie, J. L., & Co., Larra, Camperdown. Wool fleeces.	60	10. Sanderson, John, & Co., Brie Brie, Glen Thompson. Wool.	60
		11. Simson, Robert, Langi-kal-kal, Trarwalla. Wool.	60

## BELGIUM.

## Bread, Pastes, Preserved Meats.

## GROUP 2.

Exhibit No.	Class'n No.
1. Bleyfuesz, Adolphe, Verviers. Ginger bread.	13
2. Demichel, Désiré, Dinant. Cakes and pastry.	13

## GROUP 3.

3. Candeil, Ch., Brussels. Chocolate and confectionery.	27
4. Saez, Ph., Brussels. Confectionery.	27

Exhibit No.	Class'n No.
5. Société Générale des Fabricants de Sucre de Belgique, Brussels. Raw sugar.	20
6. Vandemaele, Emile, Brussels. Confectionery.	27

## GROUP 6.

7. Schmoelle, W. F., & Co., Antwerp. Extract of meat.	37
8. Societe Anonyme Fabrique Internationale de Conserves Alimentaires "Le Soleil," Malines. Canned goods.	36

## Mineral Water, Liquors, Malt Liquors, Animal Product.

GROUP 8.	
Exhibit No.	Class'n No.
9. De Ronne-Delanier, Gand. Chicory.	45
10. Jacobs, F. C., Gand. Chicory.	45
11. Sepez, Ph., Brussels. Chocolate, cocoa.	45
GROUP 10.	
13. Compagnie Fermière des eaux Minérales de Spa, Spa. Mineral water.	64
GROUP 11.	
14. Decoster, J. F., Brussels. Liqueurs.	69

Exhibit No.	Class'n No.
15. Masquelier, E., Borgerhout. Beer.	
17. Van Hoorbeke, frères, Eecloo. Beer.	
GROUP 12.	
18. Bontemps, Jean-Baptiste, Beer.	
19. Goethals, E., Meulebeke. Beer.	
GROUP 17.	
21. De Clerinont & Co., Brussels. for hat making.	

## BRITISH GUIANA.

## LOCATION—SEC. B., N. W. QUARTER.

## Cereals, Bread, Starch, Sugars, Syrup, Confectionery, etc.

Collective Exhibit.	
GROUP 1.	
Exhibit No.	Class'n No.
1. British Guiana Commission. Corn.	2
2. Cheong, John, Georgetown.	
a Rice.	6
b Dried pease.	9
3. Cochran, S. R., Plantation Versailles.	
Rice.	6
4. Gilzean, A. R., Plantation Anna Regina.	
Rice.	6
5. Jones, B. Howell, Plantation Houston.	
Rice.	6
GROUP 2.	
6. British Guiana Commission.	
a Cassava bread.	12
b Starches.	16
6a. Kerr, E. W. Starch.	16
GROUP 3.	
7. Booker Bros., British Guiana. White, yellow and brown cane sugars from various plantations.	18
8. Colonial Company. Yellow crystal molasses, and white, yellow and brown sugars from various plantations.	18
10. Jones, B. H. Refining crystals.	18
11. Jones & Culpepper, Refining crystals.	18
12. Plantation Anna Regina. Molasses and yellow crystals.	18

Exhibit No.	Class'n No.
13. Plantation Better Hope. Molasses.	
14. Plantation Canefield. Yellow crystals.	
15. Plantation Cane Grove. Refining crystals.	
16. Plantation Hampton Court. Yellow crystals and molasses sugar.	
16a. Plantation Hope. Refining crystals.	
16b. Plantation Houston. Refining crystals.	
17. Plantation La Bonne Intention. Refining crystals.	
18. Plantation La Bonne Mere. Refining crystals.	
19. Plantation La Jalousie. Refining crystals.	
20. Plantation Lochaber. Muscovado sugar.	
21. Plantation Mara. Refining crystals and molasses sugar.	
22. Plantation Maryville. Yellow crystals.	
23. Plantation Melville. Refining crystals.	
24. Plantation Met-en Meerzorg. Refining chemical sugar.	
25. Plantation Nismes. Muscovado sugar.	
25a. Plantation Ogle. Refining crystals.	
26. Plantation Perseverance. White and yellow crystals.	

## Sugars, Animal Fibres, Liqueurs, Oils.

	Class'n No.	Exhibit No.	Class'n No.
Plantation Port Mourant. Molasses		59. Plantation Margville. Rum.	67
Yellow crystals.	18	60. Plantation Melville. Rum.	67
Plantation Rose Hall. Refining crys-		61. Plantation Nismes. Rum.	67
molasses sugar and molasses.	18	62. Plantation Ogle. Rum.	67
Plantation Schoepa Ord. Yellow crys-		63. Plantation Port Mourant. Rum.	67
crystals.	18	64. Plantation Rose Hall. Rum.	67
Plantation Skeldon. White, yellow		65. Plantation Schoon Ord. Rum.	67
crystals, molasses and molasses	18	66. Plantation Skeldon. Rum.	67
Plantation Tuschien de Vrienden.		67. Plantation Tuschen de Vrienden.	67
Yellow and dark crystals, molasses		Rum.	67
molasses sugar.	18	68. Plantation Uitvlugt. Rum.	67
Plantation Uitvlugt. White, yellow		69. Plantation Versailles. Rum.	67
dark crystals, molasses sugar and		70. Plantation Wales. Rum.	67
molasses.	18		
Plantation Versailles. Refining crys-		GROUP 15.	
crystals.	18	71. British Guiana Commission. Crab	
Plantation Vryheid's Lust. Yellow		oil, kokerite oil, cassareep and balata	
crystals.	18	milk.	95
Plantation Windward Forest. Molas-		72. Conrad, Jacob. Crab oil.	95
sar and molasses.	18	73. Kerr, E. W. Cassareep and crab	
		oil.	95
		74. Max & Co., Balsam copaiba.	95
GROUP 8.		75. Scott & Co. Cocoonut oil, crab oil,	
British Guiana Commission. Dried		balsam copaiba and cassareep.	95
skins.	47		
British Guiana Museum. Tobacco.	48	Exhibits Classified in other Departments	
Conrad, Jacob. Seed peppers.	47	but installed in this.	
Scott & Co. Cocoa beans.	45		
Sim & Pereira. Cocoa tablets,		DEPARTMENT B.	
and powders.	45		
Plantation Versailles. Coffee.	45	GROUP 21.	
Mr. F. M. J. Georgetown. Pre-			
chocolate.	45	76. British Guiana Commission.	
		a Souari nuts.	137
GROUP 9.		b Preserved sorrel, tamarinds, pawpaw,	
British Guiana Commission.		limes and sliced pinos.	140
Plantation fibre.	53	c Jelly, jams, etc.	141
Banana, cocoonut, plantain, agave,		77. British Guiana Museum. Wax	
bamboo, silk grass, wild ochro, kaka-		models of fruits.	138
li, mahoe, penguin, wadara, wina,		78. Valladeres, L. F., Cherry and lemon	
seri and Wadaduri fibres.	59	syrups.	141
British Guiana Museum. Sisal and			
ochro fibres.	59	GROUP 23.	
GROUP 11.		79. Playter, Miss. Pickled limes.	177
Colonial Company. Rum.	67	80. Rodway, J. Dried capsicums.	177
Deane & Matthews. Bitters.	70	81. Valladeres, L. F. Union relish.	177
Deane, J. G. Old rum.	67		
Deane & Co. Bitters.	70	DEPARTMENT C.	
Plantation Anna Regina. Rum.	67		
Plantation Cane Grove. Rum.	67	GROUP 34.	
Plantation Hope. Rum.	67		
Plantation Houston. Rum.	67	82. British Guiana Museum. Stuffed birds,	
Plantation La Bonne Intention. Rum.	67	birds' eggs and feathers.	230
Plantation La Bonne Mere. Rum.	67	83. Dr. C. G. Young. Birds' skins.	230
Plantation La Jalousie.	67		
Plantation La Jalousie.	67	GROUP 35.	
Plantation La Jalousie.	69		
		84. British Guiana Museum. Insects.	235
		GROUP 36.	
		85. British Guiana Museum, Georgetown.	
		Stuffed mammals, tanned skins of mam-	
		mals.	236

## Fish, Ores, Quarry Products.

## DEPARTMENT D.

## GROUP 37.

- | Exhibit No.                                     | Class'n No. |
|---|-------------|
| 86. British Guiana Museum. Reptiles and fishes. | 247-248     |

## GROUP 40.

- | Exhibit No.                               | Class'n No. |
|---|-------------|
| 87. British Guiana Commission. Isinglass. | 272         |

## DEPARTMENT E.

## GROUP 42.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 88. British Guiana Commission. White sapphires, diamonds, diamondiferous clay, sand and gravel, placer gold and pay dirt worked for placer gold, placer ore, bed quartz, quartz, vein ore and auriferous quartz, sections of gold bearing strata. | 291         |
| 89. British Guiana Museum. Quartz showing garnet, amethystine quartz and rock crystal, porphyritic greenstone, feltstone, quartz porphyry, iron ore, iron pyrites, jasper, granite and catlinite.   | 291         |
| 90. Barnard Syndicate. Placer ore and pay dirt.   | 291         |
| 91. Correia, Rosa & Jacob. Gold nuggets from Omai creek.  | 291         |
| 92. Farnum, J. P. Placer ore.   | 291         |
| 93. Lashley & D'Amil. Gold quartz.  | 291         |
| 94. Rodway, J. Placer ore.  | 291         |

## GROUP 44.

- | Exhibit No.  | Class'n No. |
|--|-------------|
| 95. Hill, L. M. Granites, burnt earth and sand used for road material. | 291         |

## GROUP 46.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 96. British Guiana Museum.  |             |
| a Graphites.  | 298         |
| b Molding sand, white and pink clays and yellow ochre.              | 304         |
| c Sandstone, mica schist, mica, talc, chlorite, diorite and gneiss. | 305         |
| 97. Shanka, Alex. Potter's clay.                                    | 304         |

## GROUP 54.

- | Exhibit No.  | Class'n No. |
|--|-------------|
| 98. British Guiana Commission. Battels used in prospecting for gold. |             |

## GROUP 67.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 99. British Guiana Commission. Models illustrating the export of gold from 1884-1892. | 411         |

## DEPARTMENT H.

## GROUP 87.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 100. Max & Co., Georgetown. Essences of tonka bean and vanilla. | 549         |

## GROUP 91.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 101. Shanka, Alex. Vriede-en-Rust Pottery Works. Pottery. |             |

## GROUP 98.

- | Exhibit No.  | Class'n No. |
|--|-------------|
| 102. British Guiana Commission. Bralets, bangles, earrings and nose ornaments. |             |

## GROUP 101.

- | Exhibit No.  | Class'n No. |
|--|-------------|
| 103. Government of British Guiana. Coconut fibre mats. |             |

## GROUP 104.

- | Exhibit No.  | Class'n No. |
|--|-------------|
| 104. British Guiana Commission. Hind and Chinese costumes. |             |
| 105. Government of British Guiana. Convict caps.           |             |

## GROUP 105.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 106. British Guiana Museum. Fur skins of the fox, otter, jaguar, sloth and howl monkey. |             |

## GROUP 106.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 107. British Guiana Commission.   |             |
| a Artificial flowers.   |             |
| b Fans.   |             |
| 108. Portuguese Colonists' Committee. Embroidery, laces and fancy work. |             |

## GROUP 110.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 109. British Guiana Commission. L seed, and shell work, pockets and decorated eggs. |             |
| 110. Clegg, Mrs. R. M. Bouquet of moss, etc., and basket of decorated eggs.         |             |

## GROUP 111.

- | Exhibit No.                                  | Class'n No. |
|--|-------------|
| 111. Freitas, M. G., de. Samples of leather. |             |

## DEPARTMENT L.

## GROUP 150.

- | Exhibit No.                                      | Class'n No. |
|--|-------------|
| 112. British Guiana Commission.                  |             |
| a Books.   |             |
| b Newspapers of British Guiana.                  |             |
| c Government blue books, etc.                    |             |
| 113. Jardine, C. K. Directory of British Guiana. |             |

## GROUP 161.

- | Exhibit No.                                   | Class'n No. |
|---|-------------|
| 114. Jenman, Mrs., Georgetown. Photographs.   |             |
| 115. Siza, Julio, Georgetown. Photographs.    |             |
| 116. Stevens, W. H., Georgetown. Photographs. |             |

## Public Works, etc.

## GROUP 152.

- | Exhibit No. | Class No. | Description  | Class No. |
|-------------|-----------|--|-----------|
| 117.        |           | Hill, L. M. Broken granite, burnt earth and sand for road materials. | 879       |

## GROUP 153.

- |      |  |   |     |
|------|--|---|-----|
| 118. |  | British Guiana Post-office. Set of postage stamps.          | 898 |
| 119. |  | British Guiana Prison Department. Samples of convict labor. | 894 |

## GROUP 154.

- |      |  |   |     |
|------|--|---|-----|
| 120. |  | British Guiana Museum, Georgetown. Geology of British Guiana. | 897 |
|------|--|---|-----|

## DEPARTMENT N.

- |      |  |   |     |
|------|--|---|-----|
| 121. |  | British Guiana Commission.  |     |
|      |  | Logs of Towaroneo timber, black greenheart, mora, bullet wood, purple heart, locust, hoobooballi, kabukalli, kakaralli, tonka bean, iron wood, sayu, horse eye, pakoorie, wallaba, wabaima, crabwood, yellow sirouaballi, souari, wanfara, monkey pot, moraballi, kautaballi, buhurada, yellow greenheart, hackia, eta palm, toroo palm, manicole palm and letter-wood. | 99  |
|      |  | Wallaba shingles, Venetian blind, inlaid work-box, panels, inlaid tables, etc.  | 100 |
|      |  | Letter wood frames, rulers, walking sticks, paper knives, etc.  | 101 |
|      |  | India rubber, locust and Hiawa gums.  | 106 |
|      |  | Castor oil, carapa, baracara and horse eye seeds, monkey pots, tonka beans, etc.  |     |

- | Exhibit No. | Class No. | Description  | Class No. |
|-------------|-----------|--|-----------|
|             |           | Medicinal barks.   | 108       |
|             |           | Wallaba vats, tubs.  | 110       |
|             |           | Baskets.   | 111       |
|             |           | Buttressed and hollow trees in sections, climbing stems.   | 113       |
|             |           | Model of punt and floating timber.   | 117       |
| 122.        |           | British Guiana Museum.   |           |
|             |           | a 87 Woods in samples.   | 99        |
|             |           | b Karamanni.   | 106       |
| 123.        |           | Cheong, John, Georgetown. Model of charcoal kiln and block of charcoal.  | 117       |
| 124.        |           | Carrad, Jacob, Georgetown. Hiawa gum and ornamental seeds.   | 106       |
| 125.        |           | Garnett & Co., Georgetown. Ballata.  | 108       |
| 126.        |           | Lopes, M. J., Georgetown. Slabs of Kretti, hackia, red mora, kabukalli, water wallaba, greenheart, purpleheart, yellow sirouaballi, tonka bean, yellow greenheart, red cedar, red crabwood, sinarupa, suradanni, dukalaballi, mahogany, white mora, crabwood, letter-wood, towaroneo, Hiawaballi, locust, wanfara, wallababalli, determa, guava and bullet wood. | 99        |
| 127.        |           | Mehler & Co., Georgetown. Inlaid table.  | 101       |
| 128.        |           | Park & Cunningham, Georgetown.   |           |
|             |           | a British Guiana woods.  | 99        |
|             |           | b Letter-wood walking sticks.  | 101       |
| 129.        |           | Scott, C. A., Georgetown. Wild-ipecacuanha.  | 108       |
| 130.        |           | Sedon, Leon. Abnormal growth of roots.   | 113       |
| 131.        |           | Werk-en-rust Steam Sawing Co. Slabs of Kabukalli, greenheart, suradanni, crabwood, sinarupa mora, hackia, purpleheart.   | 99        |

## CANADA.

## LOCATION-SEC. A. N. E. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

- | Exhibit No. | Class No. | Description  | Class No. |
|-------------|-----------|--|-----------|
| 1.          |           | Austin Rolling Mills, Austin, Man. Flour.  | 11        |
| 1.          |           | Canadian Government- Central Experimental Farm for Ontario and Quebec, Hiawa. Cereals. |           |
| 3.          |           | Canadian Government- Experimental Farm for British Columbia, Agassiz. Cereals.         |           |

- | Exhibit No. | Class No. | Description   | Class No. |
|-------------|-----------|---|-----------|
| 4.          |           | Canadian Government- Experimental Farm for Manitoba, Brandon. Cereals.                  |           |
| 5.          |           | Canadian Government- Experimental Farm for Maritime Provinces, Nappan. Cereals.         |           |
| 6.          |           | Canadian Government- Experimental Farm for Northwest Territories, Indian Head. Cereals. |           |

## Cereals, Grasses, Biscuits, Sugar, Syrups, Confectionery, etc.

	Class'n No.	Exhibit No.		Class'n No.
Common Millers' Association, Toronto and near.	11	12x.	Darling, J. K., Almonte, Ont.	Honey.
Government of Northwest Territories,		13x.	Elridge, Wm., Knowlton, P. Q.	Maple sugar and syrups.
John Lakefield, Ont.	Flour. 11	14x.	Emigh, M., Holbrook, Ont.	Honey.
James & Elington, Fort Qu'Appelle,	11	15x.	Emrick, R. B., Tyrrell, Ont.	Honey.
James Milling Co., Winnipeg, Man.	11	16x.	Enish, F. X., Walkerton, Ont.	Honey.
Langdon & Co., M., Toronto.	11	17x.	Evans, J. D., Islington, Ont.	Honey.
Monte Mountain Trading Co., Can-	11	18x.	Fyfe, A., Harriston, Ont.	Honey.
Government of British	11	19x.	Gemmell, F. A., Stratford, Ont.	Honey.
Government of Nova Scotia,		20x.	Griggs, J. J., Massonville, P. Q.	Maple sugar and syrups.
Government of Ontario,		21x.	Hall, J. B., Woodstock, Ont.	Honey.
Government of Quebec,		22x.	Harkley, J., Walkerton, Ont.	Honey.
James M. M., Chatham, Ont.	Flour, 11	23x.	Holmes, M. B., Athens, Ont.	Honey.
James, Jacob, Walkerton, Ont.	11	24x.	Holtermann, R. M., Brantford, Ont.	Honey.
James Milling Co., Tavistock,	11	25x.	Jewell, C. D., Sweetsburg, P. Q.	Maple sugar and syrup.
James E. D., Tilsonburg, Ont.	11	26x.	Johnson, Wm., East Farnham, P. Q.	Maple sugar and syrups.
James Milling Co., Regina, Assa.	11	27x.	Jones, E. A., Kertch, Ont.	Honey.
James, S. & Co., Paris, Ont.	11	28x.	Jones, Griffith, Walkerton, Ont.	Honey.
James, S., Fergus, Ont.	Oatmeal 11	29x.	Kennedy, R., Bethany, Ont.	Honey.
J. P. J.		30x.	Kitchen, J. R., Weidman, Ont.	Honey.
James & Co., Toronto.	14	31x.	Leach, W. O., Toronto.	Honey.
J. P. J.		32x.	McArthur, J. B., Paisley, Ont.	Honey.
James & Co., Poplar Hill.	Honey. 26	33x.	McEway, W., Woodburn, Ont.	Honey.
James, J., Macbank, Ont.	Honey. 26	34x.	McKnight, R., Owen Sound.	Honey.
James, J., Mansfield, Ont.	Honey. 26	35x.	Miller, John, Owen Sound, Ont.	Honey.
James, R., Black Bank.	Honey. 26	36x.	Moore, F. L., Addison, Ont.	Honey.
James, J., Westbrook, Ont.	Honey. 26	37x.	Newton, John, Thamsford, Ont.	Honey.
James, W., Chard, Ont.	Honey. 26	38x.	Oliver, F., Auburn, Ont.	Honey.
James, P., Dunham, P. Q.	21	39x.	Patterson, R. L., Lynden, Ont.	Honey.
James, J., Fergus, Ont.	Honey. 26	40x.	Penton, F., Maple Hill, Ont.	Honey.
James, W., A. Chatham, Ont.	26	41x.	Pickett, A., Wassagaweya, Ont.	Honey.
James, S., Lindsay, Ont.	Honey. 26	42x.	Pringle, A., Sellars, Ont.	Honey.
James, J., Streetsville, Ont.	Honey. 26	43x.	Rowand, Abram, Walkerton, Ont.	Honey.

## Sugars, Syrups, Potatoes, Products of the Farm, Preserved Meats, Dairy Products.

Exhibit No.	Class No.	Exhibit No.	Class No.
32. Edward, And., Walkerton, Ont. Honey.	26	33. Canadian Government—Experimental Farm for Maritime Provinces, Nappan. Beans, pease, etc.	32
33. Sayer, W. L., Abbots Corners, P. O. Maple sugar and syrups.	21	34. Canadian Government—Experimental Farm for North-West Territories, Indian Head. Beans, pease, etc.	32
34. Stapley, Gould, Muir & Co., Brantford, Ont. Honey.	26	35. Peacock, George, C., Mount Salem, Ont. Beans, pease, etc.	32
35. Shaw, J., Kemble, Ont. Honey.	26	36. Ontario, Provincial Government of; Toronto. Beans, pease, etc.	32
36. Sherrington, A. E., Walkerton, Ont. Honey.	26	37. Quebec, Provincial Government of; Quebec. Beans, pease, etc.	32
37. Smith, R. M., Brace Bridge. Honey.	26	<b>GROUP 6.</b>	
38. Snelgrove, W., Woodstock, Ont. Honey.	26	38. Fearman, F. W., Hamilton, Ont. Ham and bacon.	34
39. Sole, S. S., West Breme, P. O. Maple sugar and syrups.	21	39. Leaman, J. A., & Co., Halifax, N. S. Canned meats.	36
40. Stuart, D., Comber, Ont. Honey.	26	<b>GROUP 7.</b>	
41. Tolton, A., Walkerton, Ont. Honey.	26	40. Archibald, L. C., Antigonish. Cheese.	43
42. Traver, L., Alvinston, Ont. Honey.	26	41. Ballantyne, T. J., Listowel. Cheese.	43
43. Webster, T. J., Oakwood, Ont. Honey.	26	42. Barter, J. A., Avondale. Cheese.	43
44. Wells, W. C., Phillipston, Ont. Honey.	26	43. Baskett, S., London. Cheese.	43
45. Whitman, R., Knowlton, P. O. Maple sugar and syrups.	21	44. Baubear, D. O., Victoriaville. Cheese.	43
46. Wood, Geo., Monticello, Ont. Honey.	26	45. Beaton, John, Brantford. Cheese.	43
<b>GROUP 4.</b>		46. Beattell, Chas. A., Iron Hill. Cheese.	43
47. Canadian Government—Central, Experimental Farm for Québec, Ottawa. Potatoes, tubers, etc.	28	47. Blyth, J. W., West Flamboro. Cheese.	43
48. Canadian Government—Experimental Farm for British Columbia, Agassiz. Potatoes, tubers, etc.	28	48. Boland, Geo., Ste-Ursule. Cheese.	43
49. Canadian Government—Experimental Farm for Manitoba, Brandon. Potatoes, tubers, etc.	28	49. Bragley, J., Marston. Cheese.	43
50. Canadian Government—Experimental Farm for Maritime Provinces, Nappan. Potatoes, tubers, etc.	28	50. Brodie, G. B., Pond Mills. Cheese.	43
51. Canadian Government—Experimental Farm for North-West Territories, Indian Head. Potatoes, tubers, etc.	28	51. Cabe, Jas. W., Eastwood. Cheese.	43
52. Provincial Government of Ontario, Toronto. Potatoes, tubers, etc.	28	52. Cameron, Angus, McPherson's Office. Cheese.	43
53. Provincial Government of Québec, Québec. Potatoes, tubers, etc.	28	*53. Canadian Government, Department of Agriculture, Ottawa. a. Butter.	42
<b>GROUP 5.</b>		b. Mammoth cheese (11 tons).	43
54. Canadian Government—Central, Experimental Farm for Ontario and Québec, Ottawa. Beans, pease, etc.	32	54. Clarke, J. S., Warwick, West. Cheese.	43
55. Canadian Government—Experimental Farm for British Columbia, Agassiz. Beans, pease, etc.	32	55. Cleall, Geo., Selby. Cheese.	43
56. Canadian Government—Experimental Farm for Manitoba, Brandon. Beans, pease, etc.	32	56. Connolly, B. J., Kintore. Cheese.	43
		57. Connolly, John, Malcolm. Cheese.	43
		58. Cornett, Robert, Dundalk. Cheese.	43
		59. Cuddie, Robert, Woodstock. Cheese.	43
		60. Cummings, Jas. W., Grafton. Cheese.	43
		61. Dauplaise, E., St. Pie du Guire. Cheese.	43
		62. Defosse, Nap., Nicolet. Cheese.	43
		63. Dempsey, D. A., Stratford. Cheese.	43
		64. Dempsey, John, Fairview. Cheese.	43

## Dairy and Dairy Products.

Exhibit No.	Class No.	Exhibit No.	Class No.
257. Dillon, T. J., New Perth.	Cheese. 43	587. Macpherson, D., Lancaster.	Cheese. 43
267. Donald, Geo. W., Bluevale.	Cheese. 43	597. McAuley & Keeley, Railton.	Cheese. 43
277. Dufway, J. W., La Baie.	Cheese. 43	607. Madden, E. J., Newbergh.	Cheese. 43
287. Dhamel, S., Pigeon Hill.	Cheese. 43	617. Meech, Frank, North Augusta.	Cheese. 43
297. Eager, Wm., Morrisburg.	Cheese. 43	627. Miller, G. W., West Breme.	Cheese. 43
307. Effingham, W. H., Crumlin.	Cheese. 43	*627. Miller, S. D., Ingersoll, Ont.	Paragon Cheese. 43
317. Embry, W., Tweed.	Cheese. 43	637. Momean, Jos., St. Patrick Hill.	Cheese. 43
*317. Erie Supply Co., Dutton, Ont.	Churns. 44	647. Moore, Gideon, Kenilworth.	Cheese. 43
United States patent for sale.		657. Morrison, John, Newry.	Cheese. 43
327. Everetts, M. K. & Son, Easton's Corners.	Cheese. 43	667. Newton, A. T., Sutton.	Cheese. 43
337. Everetts & Strong, Easton's Corners.	Cheese. 43	677. Newton, Mrs. A. T., Sutton.	Cheese. 43
347. Ewing, D., Coburg, Ont.	Milk arator. 44	687. Parent, Wm., St. Elptrege.	Cheese. 43
*347. Fillmore, Chas. D., Oxford Junction, N. S.	Butter tub. 44	697. Parsons, Fred D., Guelph.	Cheese. 43
357. Fleurant, Maztore, St. Patrick Hill.	Cheese. 43	707. Payne, S. R., Warsaw.	Cheese. 43
367. Fossy, A., Granboro.	Cheese. 43	717. Perkins, W. A., East Durham.	Cheese. 43
377. Fowell, H., Bellville, Ont.	Milk arator. 44	727. Phil, Dougal, M., River John.	Cheese. 43
387. Genest, Zephirin, St. Patrick Hill.	Cheese. 43	737. Pickard, Amos A., Wellburn.	Cheese. 43
397. Gerow, W. F., Napanee.	Cheese. 43	747. Porritt, J. J., Tweed.	Cheese. 43
407. Gray, Jas. A., Atwood.	Cheese. 43	757. Purdy, W. S., Savages Mills.	Cheese. 43
417. Hatley, Geo., Brantford.	Cheese. 43	767. Raphael, John, Mallorytown.	Cheese. 43
427. Hawkesworth, J. H., Bridgetown.	Cheese. 43	777. Robert, Maxime, Milton East.	Cheese. 43
*427. Hope, F. M., Piston, Ont.	Cheese vat. 44	787. Ruddick, J. A., Perth.	Cheese. 43
437. Howil, J. A., Vale Perkins.	Cheese. 43	797. Sloat, J. W., Tracy Mills.	Cheese. 43
447. Hubbs, L. P., Hillier.	Cheese. 43	807. Stewart, Charles, Flesherton.	Cheese. 43
457. Ingalls, S. J., Denboro.	Cheese. 43	817. Stocks, W. A., Markdale.	Cheese. 43
467. James, J. A., Nilestown.	Cheese. 43	827. St. Pierre, Germain, Victoriaville.	Cheese. 43
477. Jewell, C. D., Sweetsburg.	Cheese. 43	837. Sussex Dairy Co., Sussex.	Cheese. 43
487. Kee, T. W. M., Sutton Junction.	Cheese. 43	847. Sweet, D. F., Sweetsburg.	Cheese. 43
497. Kellar, Jas. W., Tiverton.	Cheese. 43	857. Taggant, George E. M., Rogersville.	Cheese. 43
507. Kennedy, Allan M., Union Centre.	Cheese. 43	867. Tilley, C. L., & Son, Woodstock.	Cheese. 43
517. Kline, F. E., Lakefield.	Cheese. 43	877. Tilson, R. J., Haseville.	Cheese. 43
527. Lain, J., Big Spring.	Cheese. 43	887. Findal, G. T., Toronto.	Cream settler, automatic skimmer. 43
537. Lemire, J., La Baie du Fevre.	Cheese. 43		
547. McFarlane, Wm., West Breme.	Cheese. 43		
557. McLaren, A. F., Windsor, Ont.	Imperial cheese. 43		
567. MacFarlane, Mrs., Sutton Junction.	Cheese. 43		
577. MacFarlane, Arthur, Sutton Junction.	Cheese. 43		

Dairy Products, Vegetable Substances, Pure and Mineral Waters, Liquors, Malt Liquors.

Exhibit No.	Class'n No.
897. Tracy, Mrs. M. J., Wilmington. Cheese.	48
907. Vital, Maziare, Warwick. Cheese.	43
917. Wales, H.O., Sutton Junction. Cheese.	43
927. Warrington, J. T., Belleville. Cheese.	43
937. Wells, W. A., Sutton. Cheese.	43
947. Whelan, W., Centreville. Cheese.	43
957. Wherry, R., Knowlton. Cheese.	43
967. Wilford, John, Brownsville. Cheese.	43
977. Willson, Frank, Pinkerton. Cheese.	43
987. Woods, Wm., Molesworth. Cheese.	43
997. Young, Thos. E., Strathroy. Cheese.	43

GROUP 8.

12. Brien, Ovide, St. Lins, P. Q. Tobacco.	48
22. Clouthier, Zacharie, St. Jaques, P. Q. Tobacco.	48
32. Denis, Leon, St. Jaques, P. Q. Tobacco.	48
42. Denoche, J. L., St. Jaques, P. Q. Tobacco.	48
52. Dugas, Daniel, St. Jaques, P. Q. Tobacco.	48
62. Dugas, Eulid, St. Jaques, P. Q. Tobacco.	48
72. Dugas, Milkford, St. Jaques, P. Q. Tobacco.	48
82. Dupak, David, St. Alexis, P. Q. Tobacco.	48
92. Dupuis, J. A., St. Alexis, P. Q. Tobacco.	48
102. Forest, Damaes, St. Jaques, P. Q. Honey.	48
112. Forest, Emile, St. Jaques, P. Q. Tobacco.	48
122. Forest, Ledger, St. Jaques, P. Q. Tobacco.	48
132. Foucher, Adrien, St. Jaques, P. Q. Tobacco.	48
142. Foucher, H. Lionel, Montreal, P. Q. Tobacco.	48
152. Granger, Magloire, St. Jaques, P. Q. Tobacco.	48
162. Granger, Prosper, St. Jaques, P. Q. Tobacco.	48
172. Gervaise, Juger, Joliette, P. Q. Tobacco.	48
182. Labelle, L. V., St. Jaques, P. Q. Tobacco.	48
192. Leblanc, Alhemand, St. Jaques, P. Q. Tobacco.	48

Exhibit No.	Class'n No.
202. Legace, Gideon, St. Jaques, P. Q. Tobacco.	48
212. Marion, Euclid, St. Jaques, P. Q. Tobacco.	48
222. Marion, Eugene, St. Jaques, P. Q. Tobacco.	48
232. Marion, Orade, St. Jaques, P. Q. Tobacco.	48
242. Richard, J. B., Joliette, P. Q. Tobacco.	48
262. Thibault, F. X., St. Therese, P. Q. Tobacco.	48
272. Turgeon, N. T., Brompton Falls, P. Q. Cigars.	52
282. Verne, Azavie, St. Jaques, P. Q. Tobacco.	48
292. Venne, Solomon, St. Jaques, P. Q. Tobacco.	48

GROUP 10.

51. Blackwood Bros., Winnipeg, Man. Aerated waters.	65
51a. Bott, John, Walkerville, Ont. Malt stout.	73
52. Davis & Son, Robert, Toronto. Ale and porter.	73
53. Gurd, Chas., & Co., Montreal. Aerated waters.	65
2 gold, 2 silver, 3 bronze medals and 11 diplomas awarded for superior excellence.	
54. Sleeman, Geo., Guelph, Ont. Ale and porter.	73
54a. Ward, C. V., St. Catherines, Ont. Mineral water.	64

GROUP 11.

55. Walker, Hiram, & Sons, Walkerville, Ont. Whisky.	66
Distillers and bottlers of "Canadian Club" whisky. Guaranteed by Excise Department of Canadian Government, by certificate over capsule of every bottle. No other government provides this absolute assurance of purity and ripeness. Particularly adapted for medicinal use.	

GROUP 12.

56. Carling Brewing & Malting Co., London, Ont. Ales and beer.	73
57. Drewry, Edward L., Winnipeg, Man. Beer, ales and stout.	73
58. Holliday, Thos., Guelph, Ont. Ales.	73
59. Labatt, John, London, Ont. Ales and stout.	73
In bottles and on draught. Guaranteed brewed only from hops, Canada barley malt and pure spring water. Gold, silver or bronze medals awarded wherever exhibited at the world's exhibitions of United States, 1876; Canada, 1877; Australia, 1877; France, 1878; England, 1886; West Indies, 1891.	

## Farm Buildings, Farming Tools, Implements and Machinery.

Exhibit No.	Class No.
60. Lindberg, John, Halifax, N. S.	Beer
ales and stout.	78
61. Prescott Brewing & Malting Co., Prescott, Ont.	Ales and porter.
	78

## GROUP 14.

63. Hastings, G. H., Toronto.	Model of stables.	82
64. Hope, F. M., Picton, Ont.	Model cow stanchion.	82

## GROUP 16.

66. Abell, John, Engine & Machine Works, Toronto.	Separator.	87
67. Blyth M'g Co., Blythe, Ont.	Mower and knife sharpener.	86
68. Campbell, Manson, Chatham, Ont.	Fanning mills.	87
69. Cochrane Bros., St. Thomas, Ont.	Wife fence machine.	88
70. Cockshutt Plow Co., Brantford, Ont.	Plows and cultivators.	84
71. Coulthard-Scott Co., Oshawa, Ont.	a Harrows.	84
	b Drill and seeder.	85
72. Fishie, Arch., Mount Forest, Ont.	Horse power separators.	87
73. Fleury's J., Sons, Aurora, Ont.	a Plows.	84
	b Grinders, crushers, cutters.	88
74. Gerolamy, W. A., Tara, Ont.	Fanning mill with bagging attachment.	87
76. Groat, John H., Grimsby, Ont.	Plows.	84
77. Jackson, Charles, Orillia, Ont.	Fanning mill and wheat riddles.	87
78. Johnston Patent Plow Share Co., Toronto.	Plow shares, plows.	84
79. Massey Harris Co., Ltd., Toronto.	a Cultivators, harrows, ploughs.	84
	b Seeders, drills.	85
	c Binders, reapers, rakes, mowers, tedders.	86
	d Thresher.	87
Branches and agencies in all parts of the world. Largest makers under the British flag. Largest exporters in the world.		
80. Oshawa Malleable Iron Co., Oshawa, Ont.	Iron castings.	88
81. Provan, James W., Oshawa, Ont.	Hay carriers and slings.	86

Exhibit No.		Class No.
82.	Ross, Geo., Petrolia, Ont. Sulky plow.	84
83.	Sawyer & Massey Co., Ltd., Hamilton, Ont.	
	a Thresher.	87
	b Traction engine.	89
84.	Shine, Daniel, Poole, Ont. Grain cradle.	89
85.	Tolton Bros., Guelph, Ont.	
	a Harrows.	84
	b Pea harvesters.	86
85a.	Vantuyt & Klemstever, Petrolia, Ont.	
	a Thresher.	87
	b Cutter.	88
86.	Verity Plow Co., Brantford, Ont. Plows.	84
87.	Watson Manufacturing Co., Ayr, Ont.	
	a Lawn roller.	84
	b Turnip planter.	85
	c Cutters, grinders.	85
	d Reaping and mowing machines.	86
88.	Wilkin, Alex., Birr, Ont. Potato digger.	86

## GROUP 18.

89. Livingston, J. J., Baden, Ont.	Flax products. Linseed oil and oil cake.	93
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Exhibits classed in other departments but installed in this.

## DEPARTMENT C.

## GROUP 32.

101. Geological & Natural History Survey	Ottawa, Ont. Stuffed game birds.	90
	Canada.	23
102. North-West Territories, Regina, N. W. T.	Stuffed birds.	23

## GROUP 33.

103. Lucy B. Eaton, Miss, Truro, N. S.	Collection of insects.	23
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## GROUP 36.

104. Murray, W., & Co., Pembroke, Ont.	Moose heads.	23
105. North-West Territories, Regina, N. W. T.	Stuffed animals.	23

## CAPE OF GOOD HOPE.

LOCATION—SEC. A.—N. E. QUARTER.

Cereals, Animal and Vegetable Fibres.

## GROUP 1.

Exhibit No.	Class'n No.
1. Basutoland, Cape of Good Hope.	1
a Cereals.	
b Flours.	11
2. Bechuanaland, Cape of Good Hope.	
Cereals, meal.	11
3. Cape of Good Hope.	
a Maize.	8
b Meal.	11
4. Eastern Province, Cape of Good Hope.	
a Cereals.	1
b Flours.	11
5. Western Province, Cape of Good Hope.	
a Cereals.	1
b Flours.	11

## GROUP 3.

4. Cape of Good Hope. Peas, beans and lentils.	32
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## GROUP 8.

7. Cape of Good Hope	
a Bush tea.	45
b Tobacco	48
c Cigars.	52

## GROUP 9.

1. Alport & Co., Beaufort West. Wool in the fleece.	60
9. Arnold J., Cathcart. Wool in the fleece.	60
m. Barber Hilton, Cradock. Mohair in fleece.	60
11. Blaia, Stutterheim. Wool in the fleece.	60
12. Breede River Wool Washery, Cape of Hope. Scoured wool.	60
13. Hutton, C. H., Bedford. Wool in the fleece.	60
14. King, C., & Son, Bedford. Wool in the fleece.	60
15. King, T. W., Bedford. Wool in the fleece.	60
16. MacDonald, J., Tylden. Mohair in fleece.	60
17. Musto, I. C., Beaufort West. Mohair in fleece.	60
18. Pearl Wool Washery, Cape of Good Hope. Scoured wool.	60

Exhibit No.	Class'n No.
19. Pope, C. A., Griqualand East. Mohair in fleece.	60
20. Robertson, Donald, Mossel Bay. Washed wool in fleece.	60
21. Robertson, Francis, George. Washed wool in fleece.	60
22. Rubridge, Wm., Braeff Reinet. Wool in the fleece.	60
23. Smartt, T. W., Britstown. Wool in the fleece.	60
24. Southey, R. W., Middleburgh Road. Wool in the fleece.	60
25. Springfield Wool Washery, Cape of Good Hope. Scoured wool.	60
26. Steya, J. G., Swellendam. Washed wool in the fleece.	60
27. Toit, S. P. du, Caledon. Washed wool in fleece.	60
28. Van der Byl, P. V., Fairfield. Wool in the fleece.	60
29. Villiers, P. D. de, Beaufort West. Wool in the fleece.	60

## GROUP 17.

30. Cape of Good Hope.	
a Ivory tusks.	90
b Guano.	92

Exhibits classed in other departments but installed in this.

## DEPARTMENT L.

## GROUP 150.

31. Cape of Good Hope.	
a Pamphlets.	854
b Statistical books.	863
c Colonial maps.	864
32. Cape of Good Hope. Photographs.	871

## DEPARTMENT N.

Forestry, Forest Products.

33. Cape of Good Hope.	
a Kaysna woods and canes; Basuto land curios.	101
b Bark.	103
c Gum.	106
d. Buchu leaves and aloes.	108

Vegetable Substances

Don. D. J. Nicoya & Bagac  
 Don. Ricardo, S. Pedro del Mojo  
 Don. Federico, Alajuela. Seg

GROUP 4.

1. Canton del Puriscal. Chayote root.
2. La Laguna, Canton de Naranjo. P
3. Prov. de Cartago. Potatoes in alcabo
4. Provincia San Jose. Carrots, radishes
5. Santa Clara, Talamanca. Peanuts.
6. Sto. Domingo. Sweet potatoes.
7. Valle San Carlos, San Carlos. Yams.
8. San Carlos. Roots for starch, yams.

GROUP 6.

1. Pastareñas. Prepared coconut.

GROUP 8.

55. Acosta, Juan V., Grecia. Coffee.
56. Alajuela. Mustard.
57. Alajuela, Prov. de S. Jose. Coffee.
58. Avarado, Sant., San Jose. Coffee.
59. Araya, Diego, Palmares. Coffee.
60. Arenillas, Prov. Alajuela. Coffee.
61. Atenas. Coffee.
62. Badilla, P. A., Heredia. Coffee.
63. Beer, Guillermo, Naranjo. Coffee.
64. Cañas, Rafael, Matina. Cocoa.
65. Cantón de Aserri, Aserri. Coffee.
66. Cantón de Barba, Alajuela. Coffee.
67. Cantón de Escasa. Coffee.
68. Canton de Nicoya. Cocoa.
69. Canton de Sto. Domingo. Coffee.
70. Castro, Teodosio, San Jose. Coffee.
71. Cespedes, Antonio, Cartago. Coffee.
72. Colonia de Nicoya. Leaf tobacco.
73. Comares del Limón, Matina. Cocoa.
74. Coronado, Jose A., San Jose. Coffee.

## Coffee, Aromatic and Vegetable Substances, Mineral Water.

Exhibit No.	Class'n No.
65. Corrales, N., Naranjo. Coffee.	45
66. Cruz, Jesus, San Ramon. Coffee.	45
67. Esquivel, Fabian, San Jose. Coffee.	45
68. Esquivel, Narciso, Uruca. Coffee.	45
69. Fernandez, Gaspar, Palmares. Coffee.	45
70. Gallardo, A. y. F., San Jose. Coffee.	45
71. Garcia, Fernando, Cartago. Coffee.	45
72. Garcia, J. H., Cartago. Coffee.	45
73. Golfo, Dulce. Vanilla.	47
74. Gonzalez, Inocente, Rio Segundo. Coffee.	45
75. Gonzalez, Ramon N., Palmares. Coffee.	45
76. Guapalme, Prov. de Cartago. Coffee.	45
77. Gazman, Dr. David J., Aserri. New silk worms.	61
78. Guzman, Dr. David J., San Jose. Coffee.	45
79. Heredia. Coffee.	45
80. Hidalgo, Jose, Naranjo. Coffee.	45
81. Jenkins, Juan, Atenas. Coffee.	45
82. J. G. L., Palmares. Coffee.	45
83. Jimenez, A., Calisto, San Ramon. Coffee.	45
84. J. M. R., Palmares. Coffee.	45
85. Koschny, Teodoro, San Carlos. Coffee.	45
86. Modesto Murillo, San Carlos. Cocoa.	45
87. Mora, Rafael Ma., Palmares. Coffee.	45
88. Morera, J. J., Palmares. Coffee.	45
89. Municipio Naranjo, Naranjo. Coffee.	45
90. Orlich, Francisco, San Ramon. Coffee.	45
91. Orosi, Prov. Cartago. Coffee.	45
92. Paniagua, Vicente, Palmares. Coffee.	45
93. Peralta, Francisco, San Gabriel. Coffee.	45
94. Perez, Vicente, San Jose. Cocoa.	45
95. Puriscal. Coffee.	45
96. Quesada, Gregorio C., Palmares. Coffee.	45
97. Quiros, Silverio, San Ramon. Coffee.	45
98. Rodriguez, Agustin, S. Pedro La Calmar. Coffee.	45
99. Rodriguez, Jose M., Palmares. Coffee.	45
100. Roble, L., Navarro. Coffee.	45
101. S. Pedro del Mojon. Coffee.	45
102. San Carlos. Coffee.	45

Exhibit No.	Class'n No.
103. San Jose. a Cocoa and chocolate.	45
b Pepper, cloves, annise, etc.	47
104. Saens, Alberto, Heridia. Coffee.	45
105. Sandoval, Manuel, Alajuela. Coffee.	45
106. Schröter, Otto von, San Jose. Coffee.	45
107. Sell, Eduardo, San Ramon. Coffee.	45
108. Sitio "Escalones," Prov. de Alajuela. Coffee.	45
109. Solera, T. M., Heredia. Coffee.	45
110. Sto. Domingo, Prov. de Alajuela. Coffee.	45
111. Sto. Domingo, Prov. de Heredia. Coffee.	45
112. Taras, C. H. S., Cartago. Coffee.	45
113. Tinoco, Federico, San Jose. Coffee.	45
114. Tournon y Cia., San Jose. Coffee.	45
115. Tres Rios. Coffee.	45
116. Troyo, J. J. R., Cartago. Coffee.	45
117. Vallé San Carlos, San Carlos. Cocoa.	45
118. Vargas, Antonio, Grecia. Coffee.	45
119. Vargas, Felix, Palmares. Coffee.	45
120. Victoriano Villalobos, Heredia. Coffee.	45
121. Zamora, Jose, San Ramon. Coffee.	45
122. Zamora, Manuel, Heredia. Coffee.	45
123. Zumbado, Indalecio, San Mateo. Cocoa in alcohol.	45

## GROUP 10.

124. Canton de Bagaces. Mineral water.	64
125. Canton de Bagaces, Volcan Miravalles. Mineral water.	64
126. Canton de Escasu, Santa Ana. Mineral water.	64
127. Canton de Liberia, Prov. del Guanacaste. Mineral water.	64
128. Miravalles. Mineral water.	64
129. Orosi, Prov. de Cartago. Mineral water.	64
130. Puriscal, San Roque. Mineral water.	64
131. San Carlos. Mineral water.	64
132. San Francisco, Prov. de Cartago. Mineral water.	64

## GROUP 11.

134. Camargo, Mario, San Jose. Vinegar.	71
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## Malt Liquors, Animal Products, Oils.

Exhibit No.		Class'n No.
135.	Frca. Nal. de Licores, San Jose.	
	<i>a</i> Wine.	66
	<i>b</i> Rum and other spirits.	67
	<i>c</i> Cordials and liqueurs.	69
	<i>d</i> Bitters.	70
136.	Guzman, D. J., San Jose.	
	<i>a</i> Wine.	66
	<i>b</i> Cordials and liqueurs.	69
137.	Para, Pablo, Pacaca.	
	<i>a</i> Wine.	66
	<i>b</i> "Chica."	69

## GROUP 12.

138.	Acosta, Heliodoro, Naranjo. Beer.	73
139.	Felice, B. & Co., San Jose.	
	<i>a</i> Preparation of barley and hops.	72
	<i>b</i> Beer.	73
140.	Jegels, Guillermo, Cartago. Beer.	73

## GROUP 17.

141.	Guzman, D. J., Hda. Las Animas.	
	Fossil tusks and molars of mastodons.	90
142.	Supremo, Gobierno (Government Exhibit). Hides and skins of animals, tortoise shells, etc.	90

## GROUP 18.

143.	Comarca Puntarenas, Puntarenas.	
	<i>a</i> Animal oils.	94
	<i>b</i> Vegetable oils.	95
144.	Fabrica "El Aguila," Prov. de San Jose. Candles.	97
145.	Guanacaste, Bagaces. Lizard oil.	94
146.	Golfo Dulce. Tortoise oils.	94
147.	San Jose. Linseed, fig and other oils.	95
148.	Ulloa, M., Cartago. Soap.	96
149.	Velasquez, J., Prov. de San Jose. Candles.	97

## DEPARTMENT B.

## GROUP 20.

149a.	Aguilar, Francisco, San Jose. Brandy.	131
150.	Cabrera, A., San Jose. Grapes.	123
151.	Canton, San Mateo. San Mateo Wine.	126
152.	Frca. Nal. de Licores, San Jose.	
	<i>a</i> Wine.	126 & 127
	<i>b</i> Brandy.	131
153.	Gonzalez, Irineo, Puntarenas. Wine.	126
154.	Guzman, D. J. San Jose.	
	<i>a</i> Wine.	126 & 127
	<i>b</i> Brandy.	131

## GROUP 21.

Exhibit No.		Class'n No.
155.	Cabrera, San Jose.	
	<i>a</i> Pears, apples, plums, peaches, nectarines, quinces, apricots, cherries, medlars, etc.	
	<i>b</i> Oranges, lemons, citrons, lime, pomegranate, etc.	
	<i>c</i> Bananas, pineapples, guavas, mangoes, papaws, tamarinds, figs, olive sapadillos, anonas, mammees, etc.	
	<i>d</i> Cashew nuts, pecans, almonds, etc.	

156.	Carranza, Manuel, Matina. Bunches of 276 bananas.	
157.	Heredia. Sapotas.	
158.	Puntarenas. Chashew nuts, coconuts, etc.	
159.	San Carlos. Almonds, etc.	
160.	Talamanca. Cocoanuts.	

## GROUP 22.

162.	Guzman, D. J., San Jose. Herbarium of 62 classified species.	
163.	Pan Ricardo, S. Pedro del Moron. Orchids, seventy species.	

## GROUP 23.

164.	Barba. Lentils.	
165.	Cabrera, A., San Jose.	
	<i>a</i> Peppers, cucumbers, melons, etc.	
	<i>b</i> Potatoes, sweet potatoes, cassava, etc.	
166.	Cartago. Beans.	
167.	Escasu. Beans.	
168.	Liberia. Beans.	
169.	Naranjo.	
	<i>a</i> Beans.	
	<i>b</i> Yucca.	
170.	Pacaca. Beans.	
171.	Paraíso. Beans.	
172.	Province de Alajuela, Grecia. Beans.	
173.	Prov. de Heredia, Heredia. Beans.	
174.	Prov. de S. Jose, Pacaca. Beans.	
175.	S. Pedra de Grecia. Beans.	
176.	San Antonio, Belen. Beans.	
177.	San Carlos. Beans.	
178.	San Joaquin, Prov. de Heredia. Beans.	
179.	San Jose. Egg plant.	
180.	San Marcos. Beans.	
181.	San Mateo. Beans.	
182.	Santa Ana. Beans.	
183.	Santa Maria Dota. Beans.	
184.	Sarcero. Beans.	
185.	Sto. Domingo. Beans and yetch.	

## Birds, Insects, Animals, Forms of Aquatic Life, Minerals, Wood.

## GROUP 25.

Exhibit No.	Class'n No.
17. Supremo Gobierno, Government of Costa Rica. Ornamental trees and shrubs.	185

## DEPARTMENT C.

## GROUP 34.

18. Museo Nacional (National Museum), Costa Rica. Collection of 692 birds of Costa Rica.	230
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## GROUP 35.

19. Orozco, Secundino, Alajula. Collection of 789 insects.	235
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## GROUP 36.

20. Museo Nacional (National Museum). Stuffed animals native to Costa Rica.	236
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## DEPARTMENT D.

## GROUP 37.

21. Comarca de Putarenas, Puntarenas. a Collection of Algæ.	240
a Collection of mollusks and shells; oysters.	243
a Shrimps and other crustacea.	246
a Specimens of marine and fresh water fish preserved in alcohol.	247
22. Golfo Dulce. a Collection of sponges, corals, etc.	241
a Collection of mollusks, conchs, shells, etc.	243
23. Isla San Lucas, Puntarenas. Collection of Algæ.	240
24. Limon. Collection of Algæ.	240
25. Mencía, Dona Ines, Puntarenas. Polished shells.	243

## GROUP 38.

26. Puntarenas. a Fishing gear.	254
a Fish hooks.	255
a Nets and seines.	257
a Harpoons, gaffs, etc.	260

## DEPARTMENT E.

## GROUP 42.

27. Bagaces. Iron, copper and lead ores.	291
28. Canton de Grecia, Volcan de Poas. Lignite.	291
29. Canton de Liberia, Volcan de Cuipiza. Puzzolana, metallic okers curio, etc.	291
30. Cruvelitas, Prov. Guanacaste. Gold and silver bearing ores.	291

Exhibit No.	Class'n No.
200. Catalina, Bagaces. Iron, ore.	291
201. Federici, Santiago, Comarca Puntarenas. Gold and silver bearing ores.	291
202. Golfo Dulce. Iron and lead ores; meteoric iron ore.	291
203. Guadalupe. Serpentine.	291
204. La Culebra, Bahia "La Culebra." Silver and iron bearing lead ores.	291
205. Manuel, Quiros B., Prov. Alajuela. Gold and silver bearing ores.	291
206. Mina Guatilar, Puntarenas. Gold bearing ore.	291
207. Mina Tres Hermanos, C. de Las Cañas. Gold and silver bearing ores.	291
208. Mina Trinidad, Puntarenas. Gold and silver bearing ores.	291
209. Monte Aguacate, Puntarenas. Gold and silver bearing ores.	291
210. Prov. de Alajuela. Iron and lead ores; mercury.	291
211. Puriscal. Iron, lead and zinc ores.	291
212. Rio Grande, C. San Mateo. Iron ore.	291
213. San Juan, C. de Santa Cruz. Iron ore and meteoric iron.	291
214. San Ramon, San Ramon. Iron ore.	291
215. San Sabastian. Serpentine.	291
216. Santa Cruz, Comarca de Santa Cruz. Gold, silver, iron, copper and lead ores.	291
217. Santa Maria Dota, Santa Maria Dota. Iron ore.	291
218. Talamanca. Gold, silver, iron and copper bearing ores.	291

## GROUP 43.

219. Atenas. Lignite, turba, etc.	292
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## GROUP 44.

220. Cabe Blanco, Kanton de Nicoya. Alabaster and marble.	296
221. Cartago, Paraiso. Granite and other stones.	296
222. Catalina, Bagaces. Marble, black and white.	296
223. Puntarenas. Petrified wood.	296

## GROUP 46.

224. Bagaces, Volcan Miravalles. Basanite, obsidian, clay, etc.	304
225. C. de Las Cañas, Tres Hermanos. Yellow marl.	304
226. Cartago, Volcan de Irazu. Labrodorite, feldspar, etc.	305

## Malt Liquors, Animal Products, Oils.

Exhibit No.		Class'n No.
135.	Frca. Nal. de Licores, San Jose.	
	<i>a</i> Wine.	66
	<i>b</i> Rum and other spirits.	67
	<i>c</i> Cordials and liqueurs.	69
	<i>d</i> Bitters.	70
136.	Guzman, D. J., San Jose.	
	<i>a</i> Wine.	66
	<i>b</i> Cordials and liqueurs.	69
137.	Para, Pablo, Pacaca.	
	<i>a</i> Wine.	66
	<i>b</i> "Chica."	69

## GROUP 12.

138.	Acosta, Heliodoro, Naranjo. Beer.	73
139.	Felice, B. & Co., San Jose.	
	<i>a</i> Preparation of barley and hops.	72
	<i>b</i> Beer.	73
140.	Jegels, Guillermo, Cartago. Beer.	73

## GROUP 17.

141.	Guzman, D. J., Hda. Las Animas.	
	Fossil tusks and molars of mastodons.	90
142.	Supremo, Gobierno (Government Exhibit). Hides and skins of animals, tortoise shells, etc.	90

## GROUP 18.

143.	Comarca Puntarenas, Puntarenas.	
	<i>a</i> Animal oils.	94
	<i>b</i> Vegetable oils.	95
144.	Fabrica "El Aguila," Prov. de San Jose. Candles.	97
145.	Guanacaste, Bagaces. Lizard oil.	94
146.	Golfo Dulce. Tortoise oils.	94
147.	San Jose. Litiseed, fig and other oils.	95
148.	Ulloa, M., Cartago. Soap.	96
149.	Velasquez, J., Prov. de San Jose. Candles.	97

## DEPARTMENT B.

## GROUP 20.

149a.	Aguilar, Francisco, San Jose. Brandy.	181
150.	Cabrera, A., San Jose. Grapes.	123
151.	Canton, San Mateo. San Mateo Wine.	126
152.	Frca. Nal. de Licores, San Jose.	
	<i>a</i> Wine.	126 & 127
	<i>b</i> Brandy.	131
153.	Gonzalez, Irineo, Puntarenas. Wine.	126
154.	Guzman, D. J. San Jose.	
	<i>a</i> Wine.	126 & 127
	<i>b</i> Brandy.	131

## GROUP 21.

Exhibit No.		Class'n No.
155.	Cabrera, San Jose.	
	<i>a</i> Pears, apples, plums, peaches, netarines, quinces, apricots, cherries, medlars, etc.	13
	<i>b</i> Oranges, lemons, citrons, lime, pomegranate, etc.	13
	<i>c</i> Bananas, pineapples, guavas, mangoes, papaws, tamarinds, figs, olive sapadillos, anouas, mammees, etc.	13
	<i>d</i> Cashew nuts, pecans, almonds, etc.	13
156.	Carranza, Manuel, Matina. Bunch of 276 bananas.	13
157.	Heredia. Sapotas.	13
158.	Puntarenas. Chashew nuts, nuts, etc.	13
159.	San Carlos. Almonds, etc.	13
160.	Talamanca. Cocoanuts.	13

## GROUP 22.

162.	Guzman, D. J., San Jose. Herbarium of 62 classified species.	16
163.	Pfau Ricardo, S. Pedro del Mojos. Orchids, seventy species.	14

## GROUP 23.

164.	Barba. Lentils.	17
165.	Cabrera, A., San Jose.	
	<i>a</i> Peppers, cucumbers, melons, etc.	17
	<i>b</i> Potatoes, sweet potatoes, cassava, etc.	17
166.	Cartago. Beans.	17
167.	Escasu. Beans.	17
168.	Liberia. Beans.	17
169.	Naranjo.	
	<i>a</i> Beans.	17
	<i>b</i> Yucca.	17
170.	Pacaca. Beans.	17
171.	Paraíso. Beans.	17
172.	Province de Alajuela, Grecia. Beans.	172
173.	Prov. de Heredia, Heredia. Beans.	17
174.	Prov. de S. Jose, Pacaca. Beans.	17
175.	S. Pedra de Grecia. Beans.	17
176.	San Antonio, Belen. Beans.	17
177.	San Carlos. Beans.	17
178.	San Joaquin, Prov. de Heredia. Beans.	17
179.	San Jose. Egg plant.	17
180.	San Marcos. Beans.	17
181.	San Mateo. Beans.	17
182.	Santa Ana. Beans.	17
183.	Santa Maria Dota. Beans.	17
184.	Sarcero. Beans.	17
185.	Sto. Domingo. Beans and vetches.	17

## Birds, Insects, Animals, Forms of Aquatic Life, Minerals, Wood.

## GROUP 25.

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190. Museo Nacional (National Museum). Stuffed animals native to Costa Rica.	236
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192. Isla San Lucas, Puntarenas. Collection of Algae.	240
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198. Canton de Liberia, Volcan de Cuipialpa. Puzzolana, metallic okers curio, etc.	
199. Ciruelitas, Prov. Guanacaste. Gold and silver bearing ores.	291

Exhibit No.	Class'n No.
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201. Federici, Santiago, Comarca Puntarenas. Gold and silver bearing ores.	291
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202. Golfo Dulce. Iron and lead ores; meteoric iron ore.	291
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203. Guadalupe. Serpentine.	291
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204. La Culebra, Bahia "La Culebra."	
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Silver and iron bearing lead ores.	291
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205. Manuel, Quiros B., Prov. Alajuela.	
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Gold and silver bearing ores.	291
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206. Mina Guatilar, Puntarenas. Gold bearing ore.	291
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207. Mina Tres Hermanos, C. de Las Cañas. Gold and silver bearing ores.	291
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208. Mina Trinidad, Puntarenas. Gold and silver bearing ores.	291
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209. Monte Aguacate, Puntarenas. Gold and silver bearing ores.	291
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210. Prov. de Alajuela. Iron and lead ores; mercury.	291
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211. Puriscal. Iron, lead and zinc ores.	291
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212. Rio Grande, C. San Mateo. Iron ore.	291
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213. San Juan, C. de Santa Cruz. Iron ore and meteoric iron.	291
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214. San Ramon, San Ramon. Iron ore.	291
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215. San Sebastian. Serpentine.	291
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216. Santa Cruz, Comarca de Santa Cruz. Gold, silver, iron, copper and lead ores.	291
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217. Santa Maria Dota, Santa Maria Dota. Iron ore.	291
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218. Talamanca. Gold, silver, iron and copper bearing ores.	291
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219. Atenas. Lignite, turba, etc.	292
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## GROUP 44.

220. Cabo Blanco, Kanton de Nicoya. Alabaster and marble.	296
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221. Cartago, Paraiso. Granite and other stones.	296
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222. Catalina, Bagaces. Marble, black and white.	296
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224. Bagaces, Volcan Miravalles. Basanite, obsidian, clay, etc.	304
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225. C. de Las Cañas, Tres Hermanos. Yellow marl.	304
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226. Cartago, Volcan de Irazu. Labradorite, feldspar, etc.	305
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## Cements, Sulphur, Literature, Accessories of the Stable, Drugs, Jewelry, Fibres.

## GROUP 47.

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228.	Canton de Mora, Pacaca. Gypsum.	313
229.	Comarca de Limon, Limon. Carbonate of lime.	309
230.	Guadalupe, Carbonate of lime crystallized.	309
231.	Liberia, Canas-Dulces. Gypsum.	313
232.	Puntarenas. Gypsum.	313
233.	Reventazon. Lime.	309
234.	San Mateo, Rio Grande. Limestone.	309

## GROUP 48.

235.	Aserri, Canton de Aserri. Sulphate of lime, etc.	316
236.	Bagaces, Volcan Miravalles.	
	a Sulphates, etc.	316
	b Sulphur and pyrites.	317
	c Phosphate of lime, marl, gypsum, etc.	320
	d Chalk.	
237.	Canton de Grecia, Volcan de Posa. Sulphur.	317
238.	Cartago, Reventazon. Fossil shells.	320
239.	Comarca Puntarenas, Puntarenas. Salt.	314

## GROUP 67.

240.	Melliss, D. E., San Jose. Map of the mines of Monte del Aguacate.	410
241.	Melliss, E., San Jose. Plans of the mine of Mount Aguacate.	410

## DEPARTMENT F.

## GROUP 75.

242.	Lehner, San Jose. Portraits and lithographic groups, maps, charts, etc.	469
243.	Litografia Nacional, San Jose. Collection of diplomas, etc.	469

## GROUP 79.

244.	Gallardo, Augusto, San Jose. Machine for preparing coffee.	497
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## DEPARTMENT G.

## GROUP 83.

245.	Canton de Bagaces, Bagaces. Harness, robes and accessories of the stable.	523
246.	Cartago. Saddle bags.	523
247.	Las Canas. Whips, etc.	523
248.	Prov. de Heredia, Heredia. Bridle reins, spurs, harness, etc.	523
249.	San Juan. Whips, etc.	523
250.	Santiago Calvo, San Jose. Saddles, trappings and accoutrements of horses.	523

## GROUP 85.

Exhibit No.		Class'n No.
251.	Cartago. Ropes, cordage, etc.	5

## DEPARTMENT H.

## GROUP 87.

252.	Alpizar, Marcial, San Jose. Drugs.	5
253.	Brenes, Carlos D., San Jose. Drugs.	5
254.	Guzman, D. J., San Jose. Drugs.	5
255.	Iglesias, Enrique, San Jose. Drugs.	5
256.	Jimenez, Jose J., San Jose. Drugs.	5
257.	Michaud, Dr., San Jose. Drugs.	5
258.	Santos, Leon H., San Jose. Drugs.	5
259.	Tristan, Jose F., San Jose. Drugs.	5
260.	Ugalde, Jose M., San Jose. Drugs.	5

## GROUP 89.

261.	Aguilar, Antonio, Puntarenas. Penholders, paper cutters, etc.	5
262.	Angulo, Jose, Puntarenas. Paper cutters, etc.	5

## GROUP 91.

263.	Puntarenas. Shell work.	5
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## GROUP 96.

264.	G. & H. Quesada, C. & F. Blanco, San Jose. Shovel used in inauguration of railway to the Atlantic.	5
265.	Gongora, Federico, San Jose. Wood carving.	5
266.	Valverde, Francisco, Heredia. Wood carving.	5

## GROUP 98.

267.	Aguilar, Antonio, Puntarenas. Jewelry.	6
268.	Angulo, Jose, Puntarenas. Jewelry.	6
269.	Ortiz, R., San Jose. Jewelry.	6
270.	Valle, Andres del, San Jose. Jewelry.	6
271.	Valle, Julio del, Cartago. Jewelry.	6

## GROUP 101.

272.	Canton de Mora, Pacaca. Mats, and cigar cases of rushes.	6
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## GROUP 102.

273.	Duran, Elisa F. de, San Jose. Handkerchiefs.	6
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## Costumes, Fancy Articles, Embroidery, Literature.

## GROUP 104.

Exhibit No.	Class'n No.
274. Canton de Mora, Pacaca. Hats.	654
275. Fabrica Herediana, Heredia. Cloaks, mantillas, ladies' and children's costumes.	653
276. San Mateo. Hats.	654

## GROUP 105.

277. Government of Costa Rica. Furs and skins.	660
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## GROUP 107.

278. Aguilar, Antonio, Puntarenas. Combs, brushes, etc.	675
279. Angulo, Jose, Puntarenas. Combs, brushes, etc.	675
280. Federici, S., La Union. Combs, brushes, etc.	675

## GROUP 108.

281. Canton de Mora, Pacaca. Cigar cases.	680
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## GROUP 110.

282. Valverde, Francisco, Heredia. Vases, boxes, chessmen, fancy articles, etc.	695
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## GROUP 121.

283. Bastos, Anselmo, Las Canas. Billiard balls and cues.	
284. Tapia, A., San Jose. Billiard balls and cues.	

## DEPARTMENT L.

## GROUP 149.

289. Collegio de Senoritas, San Jose. Needlework, embroidery, etc.	843
290. Inspeccion de Instruccion Publica, San Jose. Collection of text books used in primary schools, photographs of school buildings, etc.	842
291. Instit. Fisico-geogr., San Jose. Annals, etc.	852

## GROUP 150.

292. Barrantes, F. M., San Jose. History of Costa Rica, geography, etc.	854
293. Biolley, Paul, San Jose. Costa Rica and its future.	854
294. Brenes, Alberto, San Jose. Grammatical exercises.	855
295. Calvo, Joaquin B., San Jose. Geographical, historical, statistical and other publications concerning Costa Rica.	854
296. Fernandez, Lic. L., San Jose. History of Costa Rica; language of country, etc.	854
297. Ferraz, J. F., San Jose. Publications.	854

## Exhibit No.

## Class'n No.

298. Guzman, D. J., San Jose.	
a Various publications.	854
b School books.	855
299. Imprenta Nacional, San Jose. Specimens of typography, bindings, etc.	854
300. Lines, Vicente, San Jose. Central American almanac and other publications.	8
301. Montufar, Lorenzo, San Jose. Walker in Central America.	854
302. Mora, Federico, San Jose. Publications.	854
303. Museo Nacional, San Jose. Annals of the National Museum.	863
304. Peralta, Manuel M. de, San Jose. Geographical, historical, statistical and other publications.	854
305. Prensa Libre, San Jose. Sonnets.	854
306. Schroeder, John, San Jose. Directory of San Jose.	862
307. Various Authors, San Jose. Collection of national publications.	854
308. Zeledon, Pedro Perez, San Jose. Various works.	854

## GROUP 151.

309. Rud y Paynter, San Jose. Photographs.	871
310. Valiente, Francisco, San Jose. Photographs.	871

## GROUP 152.

311. Direc. Obras. Publ., San Jose. Plans of public buildings.	889
312. Fradin, E., San Jose. Hydrographical survey of the Gulf of Nicoya and the Harbor of Culebra.	878
313. Gobn, de San Jose, San Jose. Plan of the city of San Jose.	877
314. Jimenez, Lic. L. S., San Jose. Plans of buildings.	889

## GROUP 153.

315. Direc. de Estadista, San Jose. Annual statistics of Costa Rica.	890
316. Jimenez, Salvador, San Jose. Civil and penal law.	890
317. Orozco, Rafael, San Jose. Elements of penal law of Costa Rica.	890
318. Sup. Gobierno, San Jose. Government reports, codes, statistics, etc.	890

## GROUP 154.

319. Sup. Gobierno, San Jose. Government exhibit of coins, bank notes, moneys, stamps, etc.	897
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## GROUP 158.

320. Escuela Nacional Musica, San Jose. Musical compositions, national airs, etc.	937
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## Forestry.

Exhibit No.	Class'n No.
321. Morales, Maximo, San Jose. Ban-	930
cores in mosaic.	

## DEPARTMENT N.

331. Bagaces, Bagaces.	
<i>a</i> Dye-woods, barks, etc.	103
<i>b</i> Gums, resins, etc.	106
<i>c</i> Fibers and vegetable products used in upholstery, etc.	105
<i>d</i> Roots, herbs, berries, bark and miscellaneous products.	108
<i>e</i> Basket industry.	111
332. Barba, Barba. Roots, herbs, barks, berries, etc.	108
333. Bebedero. Roots, herbs, barks, berries, etc.	108
334. Canton de Golfo Dulce, Golfo Dulce.	
<i>a</i> Dye-woods, barks and vegetable substances for tanning, dyeing, etc.	103
<i>b</i> Vegetable substances used in upholstery, etc.	105
<i>c</i> Gums, resins, etc.	106
<i>d</i> Medicinal and miscellaneous products, roots, herbs, barks, berries.	108
335. Canton de Grecia, Grecia.	
<i>a</i> Barks and vegetable substances for tanning, dyeing, etc.	103
<i>b</i> Textile plants and vegetable substances used in upholstery, etc.	105
<i>c</i> Gums, resins, etc.	106
<i>d</i> Miscellaneous products, roots, herbs, barks, berries, etc.	108
336. Canton de Mora, Pacaca.	
<i>a</i> Textile plants and substances used in upholstery, etc.	105
<i>b</i> Miscellaneous products, roots, herbs, barks, berries, etc.	108
337. Canton de Naranjo, Naranjo.	
<i>a</i> Dye-woods.	103
<i>b</i> Roots, herbs, barks, berries, etc.	108
338. Canton de Nicoya, Nicoya.	
<i>a</i> Dye-woods, barks and vegetable substances used in tanning, dyeing, etc.	103
<i>b</i> Vegetable substances used in upholstery, etc.	105
<i>c</i> Gums, resins, etc.	106
<i>d</i> Ornamental gourds, etc.	107
<i>e</i> Medicinal and miscellaneous products, roots, herbs, barks, etc.	108
<i>f</i> Wood sections, seed collections, etc.	113
339. Canton de Puriscal, Puriscal.	
<i>a</i> Dye-woods, barks, etc.	103
<i>b</i> Teazles, fibers, vegetable substances used in upholstery, etc.	105
<i>c</i> Gums, resins, balsams, wax, etc.	106
<i>d</i> Miscellaneous products, roots, herbs, barks, berries, etc.	108

Exhibit No.	Class'n No.
340. Car'ago.	
<i>a</i> Vegetable fibers and substances used in upholstery, etc.	10
<i>b</i> Miscellaneous products, roots, herbs, barks, berries, etc.	10
341. Escasu. Roots, herbs, barks, berries, etc.	10
342. Esparta.	
<i>a</i> Mango.	10
<i>b</i> Roots, herbs, barks, berries, etc.	10
343. Fraco, Zuniga, San Jose. Copacabana.	10
<i>a</i> guapinol, etc.	10
344. Guadalupe. Roots, herbs, barks, berries, etc.	10
345. Guzman, David J., Asserri. Pods of tropical silk.	10
346. Heredia. Roots, herbs, barks, berries, etc.	10
347. Jimenez, Ezequiel, Pacaca. Sarsaparilla root weighing 288 pounds.	10
348. Las Canas.	
<i>a</i> Miscellaneous products.	10
<i>b</i> Roots, herbs, barks, berries, etc.	10
349. Liberia.	
<i>a</i> Vegetable fibers and substances used in upholstery, etc.	10
<i>b</i> Gums, resins, vegetable wax, etc.	10
<i>c</i> Miscellaneous products, roots, herbs, barks, berries, etc.	10
<i>d</i> Turpentine.	11
350. Naranjo, Volcan de la Vieja, Naranjo.	
<i>a</i> Gums, resins, etc.	10
<i>b</i> Roots, herbs, bark, berries, etc.	10
351. Nicoya. Roots, herbs, barks, berries, etc.	10
352. Puntarenas.	
<i>a</i> Dye-woods, barks, etc.	10
<i>b</i> Fibers and vegetable substances used in upholstery, etc.	10
<i>c</i> Ornamental seeds, fruits, nuts, etc.	10
<i>d</i> Basket industry.	11
<i>e</i> Roots, berries, barks, herbs, etc.	10
353. Prov. de San Jose, San Jose. Roots, herbs, barks, berries, etc.	10
354. Prov. Guanacaste, Liberia. Roots, herbs, barks, berries, etc.	10
355. Puerto Limon, Puerto Limon.	
<i>a</i> Vegetable fibers.	10
<i>b</i> Miscellaneous products.	10
356. San Carlos. Seeds of olive, almond and other trees.	11
<i>a</i> Vegetable fibers.	10
<i>b</i> Miscellaneous products.	10
357. San Mateo.	
<i>a</i> Fibers.	10
<i>b</i> Miscellaneous products.	10
<i>c</i> Gums, resins, etc.	10
358. Santa Clara. Roots, herbs, barks, berries, etc.	10

## Forestry.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
359. Santa Maria Dota. Roots, herbs, barks berries, etc.	108	362. Talamanca.	
		a Vegetable substances for upholstering, et resins, etc.	106
360. Sarcero. Roots, herbs, barks, berries, etc.	108	b Miscellaneous products, roots, herbs,	
		c Gums, berries, etc.	108
361. Supremo Gobierno (Government of Costa Rica).		363a. Valle, Sands, barks and vegetable substances.	106
a Logs and sections of trees; samples of wood and timber used in construction and manufactures; miscellaneous collection of woods.	99	a Dye-wouses in tanning, dyeing, etc.	106
b Various forms of lumber.	100	d Gums, resins, etc.	106
c Ornamental and fancy woods, veneers, etc.	101	e Seeds and fruits for ornamental purposes.	107
d Wood-woods, barks, etc., for tanning and coloring.	108	f Medicinal roots, herbs, bark, berries, etc., miscellaneous products.	108
e Wood sections, etc.	118	g Wood pulp.	109
		h Basket, industry.	111
		i Bamboo and cane work.	112
		j Wood sections; seed collections, etc.	113

## CUBA.

## LOCATION-SEC. B.-N. W. QUARTER.

## Sugar, Vegetable Substances, Liquors.

## Collective Exhibits :

## GROUP 8.

Exhibit No.	Class'n No.
1. Artiz, Mariano C., Guanajay. Sugar	18
2. Beltrandeda, Maria Teresa, Matanzas. Sugar.	18

## GROUP 9.

3. Azcano, Sebastian, Havana.	
a Machine for making cigars.	49
b Cigars.	52
5. Barquinero, H., Havana. Cigars and cigarettes.	52
6. Carvajal y Ca., L., Havana. Cigars.	52

7. Coeto y Hmo. Juan, Havana. Cigars.	52
8. Fernandez Corral y Co., Havana. Cigars.	52
9. Garcia Cuervo, Gumersindo, Santiago de las Vergas. Cigars.	52
10. Lores, Casaino, Baracoa. Coffee.	45
11. Mosquera, Rafael, Coruna. Chocolate.	45
12. Munoz, Pedro, Santiago de Cuba. Coffee and cocoa.	45
13. P. del Rio y Ca., P., Havana. Cigars and cigarettes.	52
14. Riera, J., Havana. Cigarettes.	52

Exhibit No.	Class'n No.
15. Salomon y Hermanos, G., Havana. Tobacco.	48
16. Suarez, Cayetano, Havana. Cigars.	52
16a. Trespacios, Segundo, Havana. Cigars.	52
17. Upman, H., Havana. Cigars.	52
18. Valle y Ca. M., Havana. Cigars.	52
19. Viuda de Roger y Ca., Havana. Cigars.	52
20. Yncian Diaz y Ca., Havana. Cigars.	52

## GROUP 11.

21. Bacardi y Ca., Santiago de Cuba. Rum.	67
22. Diez y Santacana, Havana. Gin, Rum, etc.	67
23. Eleno Madiedo, Jose, Havana. Pine-apple wine.	69
25. Lopez e Hijo, Cienfuegos. Liquors.	67
26. Robato y Begueristain, Havana. Alcohol.	68
26a. Pres-Palacio y Aldabi, Havana. Liquors.	67

## GROUP 15.

27. Lechaume, Jules, Havana. Works on agriculture.	83
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## CURACAO.

## LOCATION—SEC. B.—N. W. QUARTER.

## Collective Exhibit.—Minerals, Ores, Marbles, Woods.

## A Collective Exhibit by the Columbian Committee of the Island.

Statuettes of Curacaon negro and negress; models of fish canoe and punt, throw nets, walking sticks of divi-divi wood, hand made baskets, model of negro hut, work and center tables, work boards, bouquets of shells and fish scales, mahogany desk and workbox bootines, shoes, cooking utensils, baskets, cigar cases, rustic table and chairs, Curacao liquor, wax fruits, banjoes and rattler, straw hats, aloes, books and music, sea and turtle shells, snuff, birds' nests, Curacao pottery, burial urn with the skeleton of an ancient Carib, grain from Aruba, Carib antiquities from Aruba, divi-divi wood from Aruba, fans, mangrove fiber, box of turtle shell inlaid with gold from Aruba, silver bracelets of old and Dutch silver coins, Aruba gold nugget, gold jewelry, sponges, fruits and jams, general produce, petrified wood, guinea corn, peanuts, salt, licorice, seeds, handkerchiefs.

## WOMAN'S WORK.

Handkerchiefs, antimacassars, chemises, babies' shoes, underwaists, slippers, purses, pin cushions, table cloths, tray covers, towels, feather work, baskets, fruit baskets, embroidered picture, painting on silk, picture "Landing of Columbus" made of sea shells and sea weed, carpets and towel holder.

## DEPARTMENT E.

## GROUP 42.

Exhibit No.	Class'n No.
28. Camera de Comercio, Santiago de Cuba. Collection of minerals with maps, plans, etc.	290
29. Escuelas Pias, Guanabacoa. Minerals.	291
30. Fernandes Anja, Escegued, Havana. Gold ore and ingots.	291
31. Messa, Enrique de, Santiago de Cuba. Zinc and lead ores.	291
32. Roca y Agosto, Firsco, Santiago de Cuba. Minerals.	291
33. Signa Iron Co., Ltd., Santiago de Cuba. Iron ore.	291

Exhibit No.

Class'n No.

34. Spanish American Iron Co., Santiago de Cuba. Iron ore. 291  
 35. Vidal y Careta, Francos, Havana. Rocks and quartz. 291

## GROUP 43.

36. Otto D. Droop, Havana. Bitumen. 193

## GROUP 44.

37. Portela, Jose, Havana. Marbles. 290

## GROUP 49.

38. Loper de Lara, Nicasio, Puerto Principe. Chromate of iron. 333  
 39. Portuonde y Barcelo, Juan Franco, Santiago de Cuba. Manganese. 333

## DEPARTMENT H.

## GROUP 87.

40. Morell y Reyes, Jose Augustine, Havana. Dentifrice. 545  
 41. Porrero, Francisco, Cardenas. Vegetable balsam. 547  
 42. Rabell, Francisco J., Santi Spiritus. Creosote emulsion. 547  
 43. Rodriguez Lopez, Angel, Habana. "Divine Irrigation." 547

## GROUP 89.

44. Ruis y Ca., M. Havana. Fine stationery. 564

## GROUP 90.

45. Hourcade, Juan, Havana. Show cases and pavilion of hardwoods. 575  
 46. Planca Jose, Havana. Show cases. 575  
 47. Triscornia, Alfredo, Havana. Marble wash stand. 567  
 48. Vidaurrazaga, Victor, Havana. Hardwood show cases. 575

## GROUP 104.

49. Cajete, Antonio, Havana. Shoes. 654  
 50. Robles, Manuel, Havana. Shoes. 654

## Literature, Forestry.

## DEPARTMENT L.

## GROUP 147.

Exhibit No.	Class'n No.
63. Presidente de la Junta de Patronos del Hospital Nuestra Señora de las Mercedes, Havana. Views and reports.	832
64. Sociedad Protectora de los Niños de la Isla Cuba, Havana. Last reports.	831

## GROUP 148.

65. Cascio Zamora, Florencio, Havana. Artificial teeth.	839
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## GROUP 149.

66. Diputacion Provincial de la Havana, Havana. Samples of work of normal college, reports, etc.	852
67. Mayorga, Ventura, Havana. School books.	842
68. Percides, Manuel, Havana. School books.	842
69. Ventura, Victorio R., Havana. Catalogue and samples of school material.	842

## GROUP 150.

70. Balmaseda, Franco Javier, Havana. Medical work.	854
71. Betancourt, Celedonio, Clodomiro, Havana. How to make sugar.	854
72. Campriles Osuna, Eugenio, Havana. Police legislation.	894
73. Casuso, Gabriel, Havana. Medical works.	854
74. Chao, Alejandro, Havana. Maps.	864
75. Delfin, Manuel, Havana. Files of medical journal.	854
76. Franciso y Diez, Franco de, Havana. Medical work.	854
77. Friay, Jose E., Havana. Drama.	854
78. Guarro, Pedro, Havana. On Navigation.	854
79. Leiva y Aguilera, Herminio, Havana. First voyage of Columbus.	854
80. Novo y Garcia, Jose, Havana. Magdalena.	854
81. Orue y Vivanco, Salustiano de, Alguizar. Mathematics.	854
82. Sanchez Fuentes, Eugenio, Havana. Dramas.	854
83. Sandoval, Aurelio, Havana. Mensuration.	856
84. Sierra, Carlos A., Havana. Files of the "Revista del Foro."	854

Exhibit No.	Class'n No.
85. Sierra Villalon, Rafael, Santiago de Cuba. Novel.	854
86. Sotolongo y Lynch, Vidal Ma de Habana, Havana. Medical works.	854
87. Vesa y Fillart, Antonio, Jaruco. Law books.	854
88. Vila Barrague, Miguel, Havana. Telegraphy.	854
89. Vines, R. P., Benito. Astronomical reports.	864
90. Yamberno, Pedro Jose, Havana. Geography.	855

## GROUP 151.

91. Castillo, Mayimo, Havana. Photographs.	871
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## GROUP 153.

92. Becerra y Alfonso, Havana. Criminal code.	894
93. Novo y Garcia, Jose, Havana. a International law.	891
b A criminal code.	894
94. Presidio Departmental, Havana. Shoes, cigars and other work of the prisoners.	894

## GROUP 154.

95. Ferrer y Aguilar, Arturo, Havana. Double entry book-keeping.	898
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## GROUP 155.

96. Real Academia de Ciencias Medicas Fisicas y Naturales, Havana. Files of reports, etc.	908
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## GROUP 156.

97. Centro Asturiano, Havana. Views and reports.	912
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## GROUP 158.

98. Hubert de Blanch, Havana. Cantata.	937
99. Vidal y Careta, Havana. Music.	928

## DEPARTMENT N.

100. Camaro de Comercio, Havana. Fine wood.	101
101. Diaz Blanco, Antonio, Havana. Mahogany.	101
103. Portuondo y Barcelo, Manuel, Santiago de Cuba. Mahogany.	101

## DENMARK

## LOCATION SEC. A. N. E. QUARTER.

## Food Preparations, Dairy Appliances, Malt Liquors, etc.

## GROUP 2.

Exhibit No.	Class'n No.
1. Schroder & Jørgensen & Succrs., Copenhagen. Dough cutters.	14
2. Leerbeck & Hohn, Copenhagen. Dietetic nourishing powders.	16

## GROUP 3.

2. Abel, H., Glorup, Funen. Condensed milk in tins.	39
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## GROUP 7.

3. Andersen, Chr., Svenborg, Fanez. Dairy appliances.	44
4. Heyman, Philip W., Copenhagen. Butter in tins.	42
6. Müller, C. F., Copenhagen. Milking machine.	44
7. Nielsen, I., Copenhagen. Milking machine.	44
8. Paarsch, W., Hørsens, Jutland. Dairy appliances.	44
10. Røed, Paul, Copenhagen. Milk and cream controlling apparatus.	44

## GROUP 8.

11. Cloetta Bros., Copenhagen. Chocolate.	45
11a. Holinblad & Co., Copenhagen. Mustard.	47

## GROUP 11.

12. Hartz, Carl, Copenhagen. Liquors.	67
12a. Michelson, H., St. Thomas, W. Indies. Rum.	67
13. Petersen, Jacob, Copenhagen. Liquors.	67
13a. Ruse, A. H., St. Thomas, W. Indies. Rum.	67

## GROUP 12.

14. Tuborg Factories, Copenhagen. Beer.	73
15. United Breweries Company, Ltd., Copenhagen. Extract of malt.	72

## GROUP 13.

Exhibit No.	Class'n No.
16. Jensen, W. E., Copenhagen. Apparatus.	
17. Nielson, P., Frederiksborg.	
a Models of village implements.	
b Models of planting implements.	
c Models of harvesting implements.	

## GROUP 14.

17a. Kastrup, I. E., Copenhagen. Horse medicine administering apparatus.	
17b. Dahlstrom & Lohmann, Copenhagen. Lubricators.	
18. Rasmussen, C. M., & Spies, Copenhagen. Axle grease.	
19. Svendborg Margarine Factory, Svendborg, Funen. Margarine.	

## GROUP 18.

Exhibits Classified in Other Departments but Installed in This.

## DEPARTMENT B.

## GROUP 24.

20. Jensen, N., Copenhagen. Seeds.	1
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## DEPARTMENT C.

## GROUP 34.

21. Møller, O. C., Randers. Egg test.	2
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## DEPARTMENT E.

## GROUP 47.

21a. Faxø Lime Quarry, Faxø, Sealand. Limestone, chalk and flint.	
21b. Steven's Cliff, Copenhagen. Limestone, chalk and flint.	

## DEPARTMENT F.

## GROUP 71.

22. Jørgensen, G. H., Copenhagen. Monitor.	
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## Collective Exhibit.

## GROUP 72.

Exhibit No.	Class'n No.
22. Petersen, P. T., Randers. Spinning wheels and wool cards.	

## GROUP 77.

23a. Dahlstrom & Lohmann, Copenhagen. Automatic greasing apparatus.	489
23b. Jorgensen, G. H., Copenhagen. Apparatus to prevent machinery running hot.	489

## GROUP 79.

23c. Petersen, Lindved, Copenhagen. Coffee roasting machine.	497
23d. Schroder & Jorgensen's Succrs., Copenhagen. Coffee mills.	497

## DEPARTMENT H.

## GROUP 88.

24. Prior, Adolf, Copenhagen. Shoe and leather blacking and varnish.	552
25. Rasmussen, C. M., & Spies, Copenhagen. a Blacking for saddlery.	552
b Spirit varnish.	554

## GROUP 89.

26. Nielsen, I., Copenhagen. Fire-proof paper.	557
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## GROUP 104.

Exhibit No.	Class'n No.
27. Larsen, H. K., Esbjerg, Jutland. Wooden shoes.	656
28. Petersen, P. T., Randers, Jutland. Wooden shoes and boots.	656
29. Trautner, M., & Son, Soro, Sealand. Wooden shoes and boots.	656

## GROUP 111.

30. Evald, L., Steendborg, Funen. Cotton belting.	704
31. Holtz, D. A., Holbak, Sealand. Leather belting.	704
32. Larsen, A. F., Holbak, Sealand. Cotton belting.	704

## GROUP 112.

33. Andersen & Jensen, Copenhagen. Weights.	712
34. Jorgensen, Edmund, Copenhagen. Weights.	712
35. Kastrup, J. J., Copenhagen. Scales.	706

## GROUP 115.

36. Petersen, Lindved, Copenhagen. Coffee roaster and boiler.	730
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## DEPARTMENT I.

37. Albumen, Maltrose and Gluten Manufactory, Copenhagen. Albumen, maltrose and gluten.	834
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## ECUADOR.

## LOCATION-SEC. A.-MAIN FLOOR.

## Collective Exhibit

## Collective Exhibit.

## GROUP 1.

Exhibit No.	Class'n No.
1. Ambato, Municipality of. Flour and pecanus.	11
2. Cuenca, Municipality of. Wheat.	1
3. Guayaquil, Municipality of. Rice.	6
4. Ibarra, Municipality of. Scarlet grain, alfalfa and canere.	9
5. Latorunga, Municipality of. Barley.	4
6. Quito, Municipality of. Corn.	2
7. Babamba, Municipality of. Palares, porotillo, guilloyuyu tatana and guavinda.	7

## GROUP 2.

Exhibit No.	Class'n No.
10. Castagnetto, Benito, Guayaquil. Vermicelli.	15
11. Cuenca, Municipality of. Tortas.	14
12. Fuentes, Jose, Cuenca. Vermicelli.	15
13. Pinasco & Zerega, Guayaquil. Vermicelli.	15

## GROUP 3.

20. Breilh, Alberto, Quito. Honey.	26
21. Morla, Homer, Guayaquil. Sugar.	18

## GROUP 5.

30. Guaranda, Municipality of. Kidney, common and castor beans.	32
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# DEPARTMENT A.—AGRICULTURE.

## Collective Exhibit—Forest Products.

	Class'n No.
91. Municipality of. Chick peas, lentils.	32
<b>GROUP 7.</b>	
92. Municipality of. Cheese.	43
<b>GROUP 8.</b>	
93. Baguerizo, Guayaquil. cigars.	52
94. Benito, Guayaquil. Choc- olate.	45
95. Guayaquil. Cocoa and coffee.	45
96. Babahoyo. cocoa and coffee.	45
97. Municipality of. cocoa and coffee.	45
98. Guayaquil. Cocoa	45
99. Machala. cocoa and coffee.	45
100. Deregga, Guayaquil. Choc- olate.	45
101. Ecuador, Quito. Anotto, cinnamon, graná.	49
102. Guayaquil. Cigars and tobacco.	52
103. Esmeraldas. Tobacco.	48
104. Vinces. Cocoa and coffee.	45
105. M. Guayaquil. Cigarette.	52
<b>GROUP 9.</b>	
106. Ecuador, Ibarra. cinnamon, camphor.	59
107. Ecuador, Quito. Cot- ton.	53
108. Pedro T., Riobamba. cotton and sheep wool.	60
109. Cotacachi, Ibarra	53
<b>GROUP 10.</b>	
110. Quito. Mineral	64
111. Ecuador, Jipijapa.	64
112. Ecuador, Riobamba.	64
<b>GROUP 11.</b>	
113. Quito. Rum, cognac	67
114. Quito. Brandy, and other liquors.	67

Exhibit No.	Class'n No.
92. Marla, Homero, Guayaquil. Alcohol	68
93. Plaza, G. Alamiro, Guayaquil. Eupep- tic bitter.	68
94. Roggeroni, Noriega & Luis, Guaya- quil. Brandy, anisette, cognac, etc.	68
<b>GROUP 12.</b>	
95. Herrman, A. & Co., Quito. Beer, ale and porter.	70
<b>GROUP 17.</b>	
100. Government of Ecuador, Quito. Bir- d feathers.	90
<b>GROUP 18.</b>	
101. Government of Ecuador, Quito. Goose grease.	90
102. Torres, Rafael, Quito. Castor oil and linseed.	90

## DEPARTMENT N.

### GROUP 19.

103. Borja, Carlos, Guayaquil. Remedy for cholera morbus.	100
104. Carlos, Hermoso, Guayaquil. Basque industry.	11
105. Echeverria, Juan A., Latacunga. Huaranga, sarar barks, cinnamon, zula etc.	10
106. Ecuador, Government of, Quito. Con- struction wood. (500 samples.)	9
a Red bark casarilla.	10
b Caoutchouc, gums, resins, wax, copal.	10
c Vegetable ivory (Tugua), palm laurel.	10
d Valeriana, zarzaparrilla, vanilla musmus, guayusa, romerillo, guilla- caspi. Main floor, B	10
107. Icaza, Octavio, Babahoyo. Caout- chouc, gums, resins, wax, copal.	10
108. Leon, Jose Ochva, Cuenca. Medicina herbs.	10
109. Mesguera, Juan E., Napo. Vegetabl ivory (tugua).	10
110. Mosquera, J. E., & Donoso, Leon Quito, Rattan, bamboo and cane work	11
111. Piedra, Dr. R., Cuenca. Medicina substances.	10
112. Rodriguez, Agustin, Riobamba. Caoutchouc, gums, resins, wax, copal.	10
113. Toral, Miguel H., Cuenca. Red bark casarilla.	10
114. Valenzuela, Jose, Guayaquil. Herb and liquid for the cure of poisonous bites	10

## FRANCE.

## LOCATION—SEC. A.—N. E. QUARTER.

Cereals, Grasses, Bread Pastes, Sugars, Syrups, Confectionery, Root Crops.

## GROUP 1.

Exhibit No.	Class'n No.
1. Coesnon-Bonhomme, Coulommiers (Seine-et-Marne). Brie oats in sheaves and grain.	3
2. Delahaye, Paris. Meadow grass in sheaves and grains.	8
2a. Forgeot & Cie, Paris. Grains.	7
2. Gatellier, Emile, La Ferte-sous-Jouarre (Seine-et-Marne). Wheat in sheaves and glass-jars, pamphlets, maps.	1
3. Groult, C.-Ch., Paris. Meal and flour.	11
4. Hardon, Alphonse E., Courquetaine (Seine-et-Marne). Frame enclosing variety of corn.	2
5. Marche des farines douze marques de Paris, Paris:	
a Wheat.	1
b Flour, wheats, etc.	11
6. Meyer, Emmanuel Coubert (Seine-et-Marne).	
a Corn.	3
b Oats.	3
7. Societe anonyme des Grands moulins de Corbeil, Paris, Corbeil et au Havre.	
a Wheat, etc.	1
b Flour, etc.	11
7a. Societe des Agriculteurs du Nord a Lille. Wheat, oats, barley, rye, horsebeans, clover, forage plants in sheaves and grain. Classes 1 to 9	
8. Vilmorin-Andrieux et Cie, Paris. Grain and seeds.	7

## GROUP 2.

9. Brasseur, J., Villemur (Haute-Garonne). Paste and gluten products.	15
10a. Collectivite de la boulangerie française, Paris. Material of a model bakery.	12
11. Estieu, M. et J., Courbevoie (Seine). Choice biscuits, etc.	14
12. Groult, C.-Ch., Paris. Pastes.	15
13. Marche des farines douze marques de Paris, Paris. Pictures representing the bake-house and laboratory of the market.	12
14. Olibet, Paris. Biscuits.	14
15. Societe anonyme des amidonneries et vimeries de France, Lille (Nord). Rice starch.	16

## Exhibit No.

## Class'n No.

16. Vaury, A. H., Paris.	
a Bread.	12
b Biscuits.	14

## GROUP 3.

17. Association des chimistes de sucrerie et de distillerie de France et des colonies, Paris. Sugar, raw materials and manufactured products.	20
18. Combet, Joseph, Courbevoie (Seine). Confectionery.	27
19. Cosse-Duval et Cie, Nantes (Loire-Inferieure). Pure cane sugar-candies.	27
20. Fichot-Landrin, L., Paris. Vegetable colors for confectioners, cooks, etc.	27
21. Foucher, Paul, Labriche, pres Saint-Denis (Seine). Glucoses.	25
22. Fropp, Jules, Paris. Confectionery.	27
23. Jacquin, A., Paris. Confectionery, chestnuts in sirup.	27
24. Matte fils, J. L. G., Montpellier (Herauld). Chocolates.	27
24a. Menier, Me d' Chateaudain, Paris. Chocolates.	27
25. Mercier, A. et Cie, Bresles (Oise). Sugar in blocks, tablettes, pieces powders, etc.	20
26. Moquet, Henri, Paris. Chestnuts in sirup.	27
27. Potin, Felix, Paris. Chocolates and confections.	27
28. Raffinerie C. Say (Societe anonyme). Paris. Refined sugars.	20
29. Syndicat de fabricants de sucre de France, Paris. Sugar.	20

## GROUP 4.

30. Fleury, Emile, Les Noels, (Loir-et-Cher). Potatoes.	28
31. Legras, Jules, Besny (Aisne). Cultivation of seed-bearing beetroot.	29
31a. Societe des Agriculteurs du Nord a Lille. Potatoes, sugar beets, roots and seeds.	29

## GROUP 5.

32. Gravier, Charles, Vichy (Allier). Farm products	32
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## Preserved Meats, Dairy Products, Vegetable Fibres, Mineral Waters.

Exhibit No.	Class'n No.
33. Societe des agriculteurs du Nord, Lille (Nord). Agricultural produce destined for reproduction.	32

## GROUP 6.

34. Amyieux, M. et Cie. Chantenay-les-Nantes (Loire-Inferieure). Canned food.	36
35. Brady, S., Bordeaux (Gironde). Canned food.	36
36. Chevalier, Ch. L., Puteaux (Seine). Canned food.	36
37. Delory, F., Lorient (Morbihan). Canned food.	36
38. Dumagnou, Julien, Paris. Sardines in oil.	36
39. La Compagnie generale des laits purs, Paris. Condensed and sterilized milk.	39
40. Libord, J. C., Paris.	
a Smoked ham.	34
b Pates.	36
c Sausages.	37
41. Petitjean fils et Desmarais, Paris. Canned food.	36
42. Pion et Hottot, Paris. Pates de foie gras.	36
43. Prevot, Ch. et Cie., Paris. Canned food.	36
44. Price, L. A., Bordeaux (Gironde). Canned food.	36
45. Risch et Cheminant, Paris. Canned food.	36
46. Sevestre, Paul, Toulouse (Haute-Garonne). Foie gras pie of duck with Perigord truffles.	36
47. Societe anonyme des etablissemments Arsene Saupiquet, Nantes (Loire-Inferieure). Sardines in oil and canned food.	36
48. Societe d'alimentation lactee, Paris. Sterilized milk, etc.	39
49. Talbot Freres, Bordeaux (Gironde). Canned food.	36
Est. 1847. Sells direct to wholesale trade.	
50. Tandeau, Victor, Paris. Anchovies in oil.	36
51. Tivollier, Emanuel, Toulouse (Haute-Garonne). Pates de foies gras of duck with Perigord truffles.	36

## GROUP 7.

52. Bretel freres, Valognes (Manche). Salted butter in boxes.	42
53. Canet, Desire, Lessard-le-Chene (Calvados). Camembert cheeses.	49
54. Chevalier, Alexandre, Lessard-le-Chene (Calvados). Livarot cheeses.	43
55. Costard, Henri, Saint-Martin-de-la-Lieue (Calvados). Camembert cheeses.	43
56. Gothias, Auguste, Champereux (Seine-et-Marne). Brie cheeses.	43

Exhibit No.	Class'n No.
57. Demangel, Jean, Dommartin-les-Remiremont (Vosges). Remiremont cream cheeses.	43
58. Ecole nationale d'industrie laitiere. Mamirolle (Doubs).	
a Cheeses.	43
b Material for teaching dairy work.	44
59. Estignard, Andre, Jonzac (Charente-Inferieure).	
a Butter.	42
b Cheeses.	43
60. Jaouen, Emile, Paris. Cheeses.	43
61. Lemaire, J. S., La Bresse (Vosges). Cheeses, etc.	43
62. Leroux, La Guerche-de-Bretagne (Ille-et-Vilaine). Liquid rennet.	43
63. Ripert, Claude, Vignory (Haute-Marne). Brie and Coulommiers cheeses.	43
64. Rosey, Hyacinthe, Saint-Martin-de-la-Lieue, par Lisieux (Calvados). Camembert cheeses.	43
65. Societe anonyme des caves et des producteurs reunis, Roquefort (Aveyron). Roquefort cheeses.	43
66. Sornicle-Foucher, Ingre (Loiret). Cheeses.	43

## GROUP 9.

77. Camus-Vieville, P. Edouard, Pontreuet, par Vermand (Aisne). Merino wool.	60
78. Dumont, E., Paris. Cocoa and aloeas fibres.	58
79. Lemaire fils et Dumont, Dumont Edouard, Francois, Successeur, Paris. Vegetable fibres and products.	63
80. Masurel et Caen, Croix (Nord). Wools.	64
81. Rouget, Paul, La Garde, pres Toulon (Var). Cocoons.	61
82. Salasoc, Benjamin, Bedarieux (Herault). Rough and washed wools.	62

## GROUP 10.

83. Compagnie fermiere de l'establissement thermal de Vichy, Paris. Vichy natural mineral waters, etc.	6
84. Cornudet, Mlle Marie, Pontgibaud (Puy-de-Dome). Bourbole natural mineral waters, etc.	6
85. Maupetit freres, Fourchambault (Nièvre). Mineral water.	6
86. Plagniol de James, Marseille (Bouches du Rhone). Natural vichy mineral water.	6

## GROUP 11.

87. Amouroux, Abel, Belves (Dordogne Liqueurs).	6
88. Aubert Gerbault, Saint-Aignan (Loiret-cher). Liqueurs.	6

## Whiskies, Cider, Liqueurs and Alcohol.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
89. Annoine freres, Villefranche (Rhône). Spirits.	68	113. Goutard, Hippolyte, Lyon (Rhône.) a Spirits.	68
90. Barriere. Pierre, Saintes (Charente-Inferieure). Liqueurs.	69	b Liqueurs.	69
91. Blanchard, P. et Cie, Rochefort-sur-Mer (Charente-Inferieure). Liqueurs.	69	c Vermouth.	70
92. Boudon, E. H. A., Remy (Oise). Alcohol and its derivatives.	69	114. Grange, Albert, Saint-Denis (Seine.) a Spirits.	68
93. Burgeat-Bailly, J. Ferdinand, Saint-Dizier (Haute-Marne). Liqueur Burgeatine.	69	b Liqueurs.	69
94. Campredon, L. F., Marseille (Bouches-du-Rhône). a Victoria rum.	67	115. Guery, F., Angers (Maine-et-Loire). Liqueurs.	69
b French kina, koka bitters.	70	116. Guillot, Angel, Blanzac (Charente.) Liqueurs.	69
95. Charbonneaux, Lelarge et Cie. Melle (Deux-Sevres). Chemically neutralized alcohol.	68	117. Halingre, Emile, Rouen (Seine-Inferieure.) Muscat wine appetizer, bitters.	70
96. Chaumont freres, Poissy (Seine-et-Oise). Liqueur de l'abbaye de Poissy.	69	118. Hammel freres et Cie., Reims (Marne.) Liqueurs.	69
98. Claudon, Gustave, Denain (Nord). Grain, molasses and beet-root alcohol.	68	119. Hartman, Georges, Paris. Liqueur, "La Visitandine."	69
99. Collette, Rene, Moeres (Nord). Extra neutral alcohol.	68	120. Hurard, Marius, Paris. a Taffias rum.	67
100. Crepauz pere et fils, Villefranche (Rhône). Spirits.	68	b Liqueurs.	69
101. Crozet, P., Romaneche (Saone-et-Loire). Spirits.	68	121. Jacoulot freres, Romaneche (Saone-et-Loire.) Spirits.	68
102. Cusenier fils aine, E. Societe anonyme de la grande distillerie, Paris. Liqueurs.	69	122. Jamar, Jules, Mercurey (Saone-et-Loire). Liquor "La Blidarine."	69
103. Casse, L. A., Bordeaux (Gironde). Liqueurs.	69	123. Jandard, A., Romaneche (Saone-et-Loire.) Spirits.	68
104. Deaux et Blanc, A. et A., Paris. Liqueurs.	69	124. Johanneton, Ge., et Cie., Bordeaux (Gironde.) Liqueurs.	69
105. Delisy et Doisteau, Paris-Pantin (Seine.) a Rum.	67	125. Laine, Emile, Loos-lez-Lille (Nord.) Extra refined alcohols.	68
b Liqueurs.	69	126. Lardet, Tony, Macon (Saone-et-Loire.) Spirits.	68
106. Doisteau et Gendres, quai Valmy, Paris. a Extra dry curacao.	69	127. Le Breton (Edouard, La Menardais, commune de Taden Cotes-du-Nord.) Cider.	71
b Bitters.	70	128. Legouey et Delbergue, Paris. a Curacao.	69
107. Dubonnet freres, Paris. Liqueur.	69	b Punch grassot.	70
108. Dufaitre et Versaud, Villefranche (Rhône.) Spirits.	68	129. Lesaffre et Bonduelle, Marquette-lez-Lille (Nord.) Extra neutral pure grain alcohol.	68
109. Dumas, Francisque, Villefranche (Rhône.) Spirits.	68	130. Lescuras, Leon, Limoges (Haute-Vienne). Liqueurs.	69
110. Durand, Georges-Rene, et Cie, Rochepinard, pres Tours (Indre-et-Loire). Shaded rum; white rum.	67	131. Mantin-Richard, J. B., Moulins (Allier). Liqueurs.	69
111. Faget et Cie, Bordeaux (Gironde.) Rum.	67	132. Marie Brizard et Roger, Bordeaux (Gironde.) a Rum.	67
112. Galland, fils, Alexandre. a Norman sap liqueur.	69	b Liqueurs.	69
b Absinthe, kummel, etc.	70	133. Marmier - Lapostolle, Neauphle-le-Chateau (Seine-et-Oise). Curacao Marmier.	69
		134. Meyer, Emanuel, Coubert (Seine-et-Marne). Beetroot alcohol.	68
		135. Moniotti-Dessalle, Villefranche (Rhône). Spirits.	68
		136. Mottet, Eugene, Bordeaux (Gironde). Liqueur "cherry ratafia."	69

## Whiskies, Cider, Liquors, Malt Liquors, Machinery, Distilling, Farm Buildings.

Exhibit No.	Class'n No.
137. Nas et Heckmann, Belfort (Haut-Rhin).	
<i>a</i> Spirits	68
<i>b</i> Liqueurs.	69
138. Nerik, Felix, Clichy la Garenne (Seine). Cordials and Liqueurs.	69
139. Nuyens et Cie, Bordeaux (Gironde). Liqueurs.	69
140. Perrier, Henri, Nimes (Gard). "Kina Perrier," tonic bitters.	70
141. Picon, G. O., Saint Denis (Seine).	
<i>a</i> Liqueurs.	69
<i>b</i> Absinthes, bitters, etc.	70
142. Picon, Therese et Cie, Charenton (Seine). "Therese bitters."	70
143. Pierson, J. fils, Lille (Nord). Spirits.	68
144. Piguet freres Macon (Saone-et-Loire). Spirits.	68
145. Pommier, freres Villefranche (Rhône). Spirits.	68
146. Premier, L. Ph., fils, Romans (Drôme). Absinthe (bitters).	70
147. Quesnel, Casimir, Bonneville-la-Louvet (Calvados). Cider.	71
148. Raspail, Veuve E., et ses fils, Paris. Raspail's hygienic liqueur.	70
149. Ricqlès, E. et Cie., Lyon (Rhône). "Alcohol de menthe."	70
150. Saint-Hilaire, Charles, et Cie.; La Souterraine (Creuse). "Liqueur Melissa."	69
151. Sapin, Henry, Limoges (Haute-Vienne). Liqueurs.	69
152. Societe des agriculteurs du Nord, Lille (Nord). Rectified beetroot alcohol, etc.	68
153. Terrand, Celestin, La Petite-Charreusse, pres Beaune (Cote-d'Or). Liqueurs.	69
154. Theodose, Edmond, Lisieux (Calvados Liqueur "The Theodosine."	69
155. Vial Vincent, Belleville (Rhône). Spirits.	68
156. Violet freres, Thuir (Pyrenees-Orientales). Byrrh.	70
157. Will Tournour et Cie, Bordeaux (Gironde). Cardinal rum.	67

## GROUP 12.

158. Champion et Travelea, Xertigny (Vosges). Beer in bottles.	73
158a. Cirier-Pavard et Cie, Saint-Germain-en-Laye (Seine-et-Oise). Exportation beer.	73

## GROUP 13.

Exhibit No.	Class'n No.
159. Association des chimistes de sucre et de distillerie de France et des colonies. Paris. Distilling; materials, apparatus and products.	
160. Brehier, E., et Cie, Paris. Apparatus for perfumers and distillers.	
161. Cremers, Augustin et Cie, Bordeaux (Gironde). Metallic capsules for bottles.	
162. Deroys fils aine, Henri-A., Paris. Distilling apparatus.	
163. Egrot, Alfred-Victor, Paris. Publications of distilling apparatus.	
165. Gilles et Cie, Paris. Bottle-drainer, metal stoppers, etc.	
166. Meyer, Emanuel, Coubert (Seine-et-Marne). Plan of an agricultural distillery.	
167. Renou Auguste, Paris. Siphon Corn screw, fasteners, capsules, etc.	
168. Sainte-Marie-Dupre, R. A. L., fils Arcueil, (Seine). Metallic capsules for bottles, glass jars, capsuling machine, etc.	
169. Societe des anciens etablissements Call, Paris. Apparatus for distilleries.	
170. Vermorel, B. V., Villefranche-sur-Saône (Rhône). Alembic.	

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171. Chandora, Leon, Moissy-Cramay (Seine-et-Marne). Plans of drainage and irrigation works.	
172. Nicolas, L. d'Arcy (Seine-et-Marne). Model of French farm near Paris.	
173. Noel, Directeur du Laboratoire d'entomologie, Rouen. Apparatus for destroying insects.	
174. Rabourdin, Henry, Paris. Stable saddle-rooms, cattle sheds, kennels, etc.	

## GROUP 15.

175. Baltet, Charles, Troyes (Aube), Agricultural publications.	
176. Bourgeois, professeur departement d'agriculture de Meurthe-et-Moselle (Meurthe-et-Moselle). Agricultural publications.	
177. Bourgne, professeur departement d'agriculture de l'Eure (Eure). Agricultural publications.	
178. Chauzit, professeur departement d'agriculture du Gard (Gard). Agricultural publications.	
179. Direction de l'agriculture, Ministère de l'agriculture, Paris. Works and publications.	

## Statistics of Agriculture, Farming Tools, Implements and Machinery.

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180a. Ecole de Laiterie de Saulxures. Charts and maps.	83	190. Reclus, professeur départemental d'agriculture de la Haute-Vienne (Haute-Vienne). Agricultural publications.	83
180b. Ecole de Laiterie de Kerlives. Works.	83	191. Rigaux, professeur départemental d'agriculture de la Haute-Savoie (Haute-Savoie). Agricultural publications.	83
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180d. Ecole Nationale d'Agriculture de Montpellier. Charts, works, publications.	83	193. Riomet, Bienaimé, Crupilly par Marly (Aisne.) Pamphlets on agriculture.	83
180e. Ecole Nationale Veterinaire d'Alfort. Maps, charts, works, publications.	83	194. Sauvage, directeur de la société aquicole de Boulogne-sur-Mer, Boulogne-sur-Mer, (Pas-de-Calais). Works on agriculture.	83
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180h. Ecole Pratique d'Agriculture de Berthouval. Charts, maps.	83	194c. Station d'Essais de Cappelle-Nord. Charts, maps.	83
180i. Ecole Pratique d'Agriculture de l'Allier. Methods of teaching agriculture.	83	194d. Wassilière, F., professeur départemental d'Agriculture à Bordeaux. Agricultural publications.	83
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223. Price, L.-A., Bordeaux (Gironde). Olive oil.	9
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## FRENCH COLONIES.

COLLECTIVE EXHIBIT, INSTALLED IN FRENCH COLONIES BUILDINGS, TUNISIAN PAVILION AND INDO-CHINA PAVILION (SOUTH POND.)

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3. Administration locale Gocong, Cochinchina. Rice.	6
4. Administration locale Sadec, Cochinchina. Rice.	6
5. Administration locale Soctrang, Cochinchina. Rice.	6
6. Administration locale Tanan, Cochinchina. Rice.	6
7. Hoff, Dumbéa, New Caledonia. a Corn.	2
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Exhibit No.	Class'n No.
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32. Administration locale, Nossi-Be.	
Coffee.	45
33. Administration locale de Hatien, Cochin China. Pepper.	47
34. Administration locale de Noumia, New Caledonia. Coffee.	45
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40. Chivot, Moindou, New Caledonia. Coffee.	45
41. Co. Caledonienne des Nouvelles Hebrides, Noumea, New Caledonia. Coffee.	45
42. Colley et Auge, (Administration Penitentiaire) Bourail, New Caledonia. Coffee.	45
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44. Dauval, Bourail, New Caledonia. Tobacco.	48
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46. Domaine, de la Providence, Reunion. Tobacco.	48
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52. Hoff, Dumbea, New Caledonia.	
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55. Laurie, Canala, New Caledonia. Coffee.	45
56. Ledoux, C., Paris. Coffee.	45
57. Millet, (Administration Penitentiaire) Fouwary, New Caledonia. Coffee.	45
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<i>b</i> Pepper.	47
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66. Provinces de Quang-Nam et de Quang-Ngai, Annam-Tonkin.	
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<i>b</i> Cinnamon.	47
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78. Penitencier de l'ile Nou, New Caledonia. Aloe Fibres.	59
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84. Protectorat, Cambodge.	
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86. Bailly & Lesaint, Pointe a Pitre, Guadeloupe.	
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<i>b</i> Absinthe.	
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88. Bentier & Cie, Port Louis, Guadeloupe. Rum.	
89. Bertrand, Aug., Pointe a Pitre, Guadeloupe. Rum and brandy.	
90. Besancon, Noumea. N. Caledonia. Takata liqueur.	
91. Bezier Gust., Pointe a Pitre, Guadeloupe. Rum.	
92. Boulogne, Paul, Marie Galante, Guadeloupe. Rum.	
93. Brugere et Remonencg, St. Remy, Guadeloupe. Rum.	
94. Cayrol, Gustave, Pointe a Pitre, Guadeloupe. Rum.	
95. Chazelles de, Usine de Marcellin, Guadeloupe. Rum.	
96. Cie Marseillaise de Sucrerie Coloniale, Guadeloupe. Rum.	
97. Cordonnie, P., Pointe a Pitre, Guadeloupe.	
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<i>b</i> Absinthe.	
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99. Dagomel, Le Canal, Guadeloupe. Rum.	
100. Delos, Vve Victor, Baie Mahane, Guadeloupe. Rum.	
101. Dormoy, Vve P., Capesterre, Guadeloupe. Rum.	
102. Dubos et Carmichael, Sainte Claire, Guadeloupe. Rum.	
103. Gerard freres, J. G. & P., Pointe a Pitre, Guadeloupe. Rum.	
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105. Jourdey, Bonraff, N. Caledonia. V. egar.	
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182.	Administration locale, Noumea, N. Caledonia. Coal.	
183.	Adrien, Moindon. Coal.	
184.	Jeantet, Dumbea, New Caledonia. Coal.	
185.	Societe Francaise des Houilleres de Tourane, Annam-Tonkin. Coal.	

## GROUP 44.

186.	Exposition Permanente, New Caledonia, Paris. Marble.	
187.	Provinces de Quang-Nam et Quang-Ngai, Annam-Tonkin. Marble.	

## GROUP 48.

188.	Administration locale, Vinh-Loc, Cochinchina. Alum.	
189.	Beurpertheuy, St. Martin, Guadeloupe. Salt.	
190.	Protectorat, Cambodge. Salt.	
191.	Provinces de Binh-Dinh et de Phu-Yen, Annam-Tonkin. Salt.	
192.	Salins de la Grand Case, Guadeloupe. Salt.	

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196. Levy, Emile, Paris. Lithographic stone of New Caledonia.	469

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197. Exposition Permanente, Cochinchina. Paris. Model of reel.	486
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198. Exposition Permanente, Annam-Tonkin. Paris. Palanquin.	510
199. Exposition Permanente, Cambodge, Paris. Harness, etc.	523
200. Exposition Permanente, Guinée Française, Paris. Whips.	523
201. Provinces de Khanh-hoa et de Binh-Thuan, Annam-Tonkin. Ox-cart.	510
202. Provinces de Nghe-Anet de Ha-Tinh, Annam-Tonkin. Saddle bags, etc.	523

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207. Administration Penitentiaire, Presque Ile Ducos, N. Caledonia. New Essences, etc.	549
208. Beausperthuy, St. Martin, Guadeloupe. Salt, etc.	544
209. Billeant, Gaetan, Boulogne, on Seine. Dentifrice, etc.	549
210. Calisaya, Societe du, Paris. Wine of Quinine.	547
211. Credit Foncier Colonial, St. Denis, (Reunion.) Vanilla.	549
212. Jourdey, Bourail, New Caledonia. Essences.	549

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214. Natton J., Paris, Pharmaceutical preparations.	547
215. Pene, Xavier, Libreville, Congo Français. Perfumery.	549
216. Penitencier de l'Ile Nou, N. Caledonia. Essences, etc.	549
217. Penitencier de l'Ile de Pins, N. Caledonia. Essences.	549
218. Salines de la Grand Case, St. Martin, Guadeloupe. Salt, etc.	544
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Exhibit No.	Class'n No.
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<i>c</i> Silk goods.	
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<i>a</i> Silk thread.	
<i>b</i> Silk goods.	

## GROUP 101.

262. Administration Penitentiaire, Ile Pins, N. Caledonia. Mattings, etc.	
263. Administration Penitentiaire, Omenia, N. Caledonia. Mattings, etc.	
264. Administration Penitentiaire, Piquile Ducos. Fabric of aloe fibre.	
265. Exposition Permanente, Annam-Tonkin, Paris. Pillow.	
266. Exposition Permanente, Guinee-Francaise, Paris. Mats.	
267. Exposition Permanente, Mayotte, Paris.	
<i>a</i> Rabanes.	
<i>b</i> Mats.	
268. Exposition Permanente, Nossi-Bé, Paris.	
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270. Penitencier de l'Ile Nou et de Moravel, N. Caledonia. Fabric of aloe thread and of straw.	
271. Provinces de Binh-Dinh et de Phu-Yen, Annam-Tonkin. Mats.	
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278. Provinces de Binh-Dinh et de Thuyen, Annam-Tonkin. Thread and cotton goods.	638
279. Provinces de Nghe-An et de Ha-Tinh, Annam-Tonkin. Cotton goods.	638
280. Provinces de Quang-Binh et de Quang-Tri, Annam-Tonkin. Spun cotton.	638

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281. Ecole des Sœurs de St. Joseph de Cluny, Guyane.	
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283. Exposition Permanente, Cambodge, Paris. Men's costumes; embroidered silk.	652
284. Exposition Permanente, Guinee-Francaise, Paris.	
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b Costumes.	653
c Smoking cap.	654
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285. Exposition Permanente, Inde, Paris.	
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286. Exposition Permanente, Nossi-Be, Paris. Silk pagnes and costumes.	653
287. Exposition Permanente, Senegal, Paris.	
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288. Magdol, Noumea, N. Caledonia. Dress suit.	652
289. Provinces de Khanh-hoa et de Binh-Thuan, Annam-Tonkin. Hats, etc.	654

## GROUP 105.

290. Penitencier de l'Île de Pins, N. Caledonia. Furs and skins.	660
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## GROUP 106.

Exhibit No.	Class'n No.
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a Feather flowers.	666
b Needlework, curtains, etc.	669
293. Administration Penitentiaire, Ile des Pins, N. Caledonia. Needlework.	669
294. Exposition des Femmes, Pointe a Pitre, Guadeloupe. Embroidered handkerchief.	665
295. Exposition Permanente, Guadeloupe, Paris. Palm-leaf fans.	667
296. Exposition Permanente, Inde, Paris. Vetiver fans.	667
297. Exposition Permanente, Mayotte, Paris. Fans.	667
298. Exposition Permanente, Nossi-Be, Paris. Fans.	667
299. Exposition Permanente, Obeck, Paris. Palm-leaf fans.	667
300. Exposition Permanente, Paris.	
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b Art embroidery.	669
301. Protectorat, Cambodge. Art Embroidery.	669
302. Provinces de Binh-Dinh et du Phuyen, Annam-Tonkin. Embroideries.	669
303. Province de Thanh-hoa, Annam-Tonkin. Fans.	667

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304. Exposition Permanente, Annam-Tonkin, Paris. Combs.	675
305. Provinces de Quang-Binh et de Quang-Tri, Annam-Tonkin. Combs.	675

## GROUP 108.

306. Exposition Permanente, Annam-Tonkin, Paris. Bamboo baskets, etc.	676
307. Exposition Permanente, Cambodge, Paris. Games.	693
308. Exposition Permanente, Guinee-Francaise, Paris. Purses, etc.	680
309. Exposition Permanente, Inde, Paris. Fancy bags, etc.	680
310. Exposition Permanente, Mayotte, Paris. Wooden spoons.	695
311. Exposition Permanente, Senegal, Paris. Purses, etc.	680
312. Maquaire, J. A., Paris. Supplies for colonies.	676
313. Penitencier de l'Île Nou, N. Caledonia. Objects in turned wood.	695
314. Penitencier de Montravel, N. Caledonia. Engraved mother of pearl shell.	695
315. Societe Francaise des agences reunies, Paris. Supplies for colonies.	676

## Fancy Articles, Leather, Small Arms, Wines, Literature.

## GROUP 110.

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317. Exposition Permanente, Guinee-Francaise, Paris. Engraved calabashes.	695
Exposition Permanente, Inde, Paris. Statuettes.	695

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318. Exposition Permanente, Reunion, Paris. Leather.	697
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## GROUP 112.

319. Exposition Permanente, Cochinchina, Paris. Roman scales.	706
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## GROUP 113.

320. Exposition Permanente, Annam-Tonkin, Paris.	
a Saber with inlaid scabbard.	717
b Inlaid gun.	718
321. Exposition Permanente, Senegal, Paris.	
a Sabers.	717
b Powder flasks.	718

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322. Administration locale, Quang-Binh et Quang-Tri. Spice boxes and objects in copper.	730
323. Exposition Permanente, Annam-Tonkin, Paris. Objects in copper.	730
324. Exposition Permanente, Cambodge, Paris. Box of hammered brass.	730
325. Exposition Permanente, Inde, Paris. Objects in copper.	730

## GROUP 116.

326. Exposition Permanente, Annam-Tonkin, Paris. Copper kettles, pots, etc.	732
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## GROUP 121.

327. Exposition Permanente, Cochinchina, Paris. Ladles of cocoa.	
328. Exposition Permanente, Guadeloupe, Paris. Vases of fougere.	
329. Exposition Permanente, Inde, Paris. Painted objects of wood.	
330. Exposition Permanente, Martinique, Paris. Vases of fougere.	
331. Exposition Permanente, Obock, Paris. Objects ornamented with pearls and shells.	
332. Provinces de Quang-Binh et de Quang-Tri, Annam-Tonkin. Miscellaneous objects.	

## DEPARTMENT L.

## GROUP 148.

Exhibit No.	Class'n No.
334. Societe du Calisaya, Paris. Wine of quinine.	

## GROUP 149.

335. Cany-Est (Administration Penitentiaire), New Caledonia. Exercise books of pupils.	
336. Comite d'Exposition, Pointe a Pitre, Guadeloupe. Herbarium.	
337. Duss, Reverend Pere, Basse-Terre, Guadeloupe. Herbarium.	
338. Ecole des Garcons, Bourail, New Caledonia. Exercise books of pupils.	
339. Ecole mixte des Soeurs de St. Joseph de Cluny, Guyane. Work of pupils.	
340. Internat agricole de Nemeara, Bourail, New Caledonia. Manuscript exercises by pupils.	
341. Internat de Nemeara, Bourail, New Caledonia.	
a Exercise books of pupils.	
b Costumes made by pupils.	
342. Penitencier de l'Ile Nou, New Caledonia. Exercise books and work of pupils.	
343. Penitencier de la Oudmenie, New Caledonia. Exercise books of pupils.	

## GROUP 150.

344. Annuaire Didot, Bottin, Paris.	
a Colonial directory.	
b Colonial maps.	
345. Bilbaut, Theophile, Paris. "Ceramiques of the French Colonies."	
346. Bouiniais, Guadeloupe. Maps of Guadeloupe.	
347. Cassagne, Eugene, Paris. Colonial publications.	
348. Challamel, Augustin, Paris. Geographical publications.	
349. Combes, Paul, Paris. Colonial publications.	
350. Comite d'Exposition, Pointe a Pitre, Guadeloupe.	
a Guadeloupe.	
b Maps.	
351. Comptoir des interets coloniaux, Paris. Colonial publications.	
352. Coudreau, Cayenne, Guyane. "Tribu Guianas."	
353. Exposition permanente of Annam-Tonkin, Paris.	
a Manuscripts.	
b Maps.	

## Literature, Musical Instruments, Forest Products.

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34. Flestiaux, Paris. List of coleoptera.	854
35. Henrique, Louis, Paris. The French Colonies, illustrated, six volumes.	854
36. Koch, Congo. Maps.	864
37. La Politique Coloniale, Paris. Newspapers, publications, etc.	864
38. Massoni, Jules, Marseille. Relief map of New Caledonia.	864
39. Messageries fluviales de Cochinchina, Cochinchina. Route maps of the Company.	864
40. Monteil, Senegal. Map of Senegal.	864
41. Pelet, Paris. Colonial maps.	864
42. Provinces de Quang-Nam & de Quang-Ngai, Annam-Tonkin. Geological treatise.	854
43. Raoul, Edouard, Paris. Manual of Tropical Culture.	854
44. Simonet, Paris. List of woods of Guiana.	854

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46. Administration penitentiaire, Cayenne, Guyane. Photographs.	871
47. Comité d'exposition, Pointe à Pitre, Guadeloupe. Photographs.	871
48. Compagnie Française de Photographie, Paris. Photographs and apparatus.	871
49. Provinces de Quang-Binh et de Quang-Tri, Annam-Tonkin. Photographic album.	871

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51. Société "Le Nickel," M. Marchand, Director, Paris. Photographs and relief plan of the exposition.	884
52. Yvon, Maurice, Paris. Plans and construction of the colonial section.	889

## GROUP 153.

53. Administration penitentiaire, Cayenne, Guyane. Photographs of the penitentiary, etc.	894
54. Administration penitentiaire, New Caledonia. Collective exhibit of the work of the prisons, etc.	894
55. Exposition permanente, Paris. Clothing of prisoners, their work, etc., in New Caledonia.	894
56. Internat de Nemeara, Bourail, New Caledonia. Costumes of the pupils.	894

## GROUP 154.

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378. Exposition permanente for Indo-China, Paris. Moneys, coins, etc.	897

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b Guitars.	928
c Violins.	929
d Oboe.	932
380. Exposition permanente for Cambodge, Paris.	
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b Guitars.	928
c Violin of bamboo.	929
d Flutes.	931
381. Exposition permanente for Cochinchina, Paris.	
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382. Exposition permanente for Congo Français, Paris. Tamtams, "Gorong."	927
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384. Exposition permanente for Senegal, Paris. Tamtams.	927
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## DEPARTMENT N.

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432. Administration locale de Conakry. Guinée Française. Caoutchouc, gum, resins, etc.	108
433. Administration locale de Vinh-Long, Cochinchina. Barks of dye-wood.	108
434. Administration penitentiaire de la Guyane, Cayenne.	
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a Medicinal barks, roots, etc.	108
435. Audrain, Noumea, New Caledonia. Resins, etc.	106
436. Chantier forestier, de l'Orapu, Guyane. Specimens of wood.	101
437. Comité d'Exposition, Pointe à Pitre, Guadeloupe.	
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438. Devez, Gabriel, Cayenne, Guyane. List of medicinal plants.	11

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440. Exposition permanente, Annam-Tonkin, Paris.	111	a Timbers.	
a Willow ware.		b Veneers.	
b Bamboo work.	112	c Caoutchouc.	
441. Exposition permanente, Congo Français, Paris.		d Fibers of banana tree, etc.	
a Gums, resins, etc.	106	458. Penitencier de l'île des Pins, N. Caledonia.	
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442. Exposition permanente, Guadeloupe, Paris.		b Dye-woods.	
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b Bamboo baskets.	112	d Gums, resins, etc.	
443. Exposition permanente, Guinée, Français, Paris.		e Medicinal plants, etc.	
a Objects of straw.	111	f Willow ware.	
b Baskets.	112	459. Penitencier de la Oyaménie, New Caledonia. Collection of woods.	
444. Exposition permanente Guyane, Paris.		460. Penitencier de Monteaval, N. Caledonia. Barks and leaves of Nisuli.	
a Straw for hats.	105	461. Penitencier de Prony, New Caledonia.	
b Willow ware.	111	a Collection of woods.	
445. Exposition permanente, La Réunion, Paris.		b Sawdust for tanning.	
a Wooden ware.	110	c Lichens.	
b Willow ware.	111	d Medicinal plants, barks, etc.	
446. Exposition permanente, Martinique, Paris. Willow ware.	111	462. Protectorat, Cambodge.	
447. Exposition permanente, Mayotte, Paris. Cushion of Vacona.	111	a Barks.	
448. Exposition permanente, New Caledonia. Caoutchouc.	106	b Straw for mats, etc.	
449. Exposition permanente, Obock, Paris. Objects made of palm leaves.	111	c Gums, resins, etc.	
450. Exposition permanente, Soudan Français, Paris. Gums, etc.	106	d Baskets.	
451. Exposition permanente, Tahiti, Paris. Bamboo, etc.	112	462a. Province de Thanh-hoa, Annam-Tonkin.	
452. Frager, L., Nossi-be. Caoutchouc.	106	a Collection of woods.	
453. Geoffroy, Pharmacien Colonial Martinique. Gums, resins, etc.	106	b Baskets, etc.	
454. Internat agricole de Nemeara-Bourail N. Caledonia. Wax.	106	463. Provinces de Binh-Dinh et de Phayen, Annam-Tonkin.	
455. Moriceav, Houailon, New Caledonia. Resins, etc.	106	a Rattans.	
456. Penitencier de Fonnary, N. Caledonia.		b Wax.	
a Collection of woods.		464. Provinces de Khanh-hoa et de Binh Thuan, Annam-Tonkin.	
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c Resins, etc.	106	b Resins.	
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		a Dye-woods, etc.	
		b Gums, wax, resins, etc.	
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		466. Provinces de Quang-Binh et de Quang Tri, Annam-Tonkin.	
		a Rose wood and sandal wood.	
		b Models of baskets.	
		468. Provinces de Quang-Nam et de Quang Ngai, Annam-Tonkin. Rattans,	
		469. Societe forestiere de Vinh, Annam-Tonkin. Specimens of wood.	
		470. Vitalo, The Cayenne, Guyane. Annotto.	

## GERMANY.

## LOCATION—SEC. B—N. W. QUARTER.

Biscuits, Confectionery, Preserved Meats, Dairy Products, Vegetable Substances.

## GROUP 2.

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5. Hannoversche Cakes-Fabrik, Hanover. Cakes.	18
6. Schneider, Rudolph, Barmen. Infants' food.	16
8. Wurzenzer Kunstmühlenwerke & Biskuitfabriken, Wurzen, Saxony. Biscuits; wafers.	14

## GROUP 3.

10. Haertinger, Carl, Oberwarngau, Upper Bavaria. An apiary and its products.	26
14. Seyberlich, Alfred, Dresden. Grape sugar.	19
15. Stollwerk, Gebel, Cologne. Confectionery, etc.	27

## GROUP 6.

16. Bauer, Henry, Frankfort. Canned sausages.	36
17. Brandt, Martin, Lübeck. Canned fish.	36
19. Michel, Aug., Strassburg. Canned meat and game; goose liver patties.	36
21. Pfriem, Joseph, Würzburg. a Canned meats.	36
b Sausage.	37
22. Schmidt, Heinrich, Frankfort-on-Main. Canned sausages.	37
23. Schoerke, Alexander, Dresden. Giant sausage.	37
24. Tuerk & Pabst, Frankfort-on-Main. Canned sausages.	37

## GROUP 7.

26. Bergedorfer Risenwerk, Bergedorf. Centrifugal churns.	44
27. Lefeldt, W., & Bentsch, Schoeningen. Steam and hand milk skimmers.	41
32. Popp & Becker, Drs., Frankfort-on-Main. Apparatus for the sterilization of milk, soups, fruits and other substances.	41
S. Gal. H, A-1	41

## GROUP 8.

34. Frank, Heinrich, & Sohn, Ludigsburg Wurtemberg. Coffee adulterations.	45
35. Goedeckemeyer, C., & Co., Freinsheim. Coffee essence.	45

Exhibit No.	Class'n No.
37. Pfeiffer & Diller, Horschheim. Coffee adulterations.	45
38. Rathje, A., & Son, Ploen, Holstein. Chewing tobacco.	51
39. Reinemann, J., Nuremberg. Hops.	46
40. Ritter & Co., Dresden. Cigars.	52
41. Scheuer, Geo. Joseph, Fuerth, Bavaria. Coffee adulterations.	45
42. Schlein, Simon, Ellingen, Bavaria. Hops.	46
43. Seelig, Emil, Heilbronn. Coffee, coffee essences and substitutes.	45
44. Stein & Koester, Mayence. Hops.	46
45. Uhlfelder, Ludwig, Nuremberg. Hops.	46
46. Van Guelpen, Max, Muelheim. Cigar machines.	49

## GROUP 10.

49. Apollinaris Company, Ltd., London. Mineral waters.	64
Apollinaris water. A natural effervescent mineral table water, bottled at the Apollinaris Spring at Ahrweiler, near Neuenahr, Rhenish Prussia. Friedrichshall water. The tonic aperient water. Charles Graef & Co., 32 Beaver St., New York, United States agents of the Apollinaris Co. Ltd.	
50. Böhr, H., & Eylert, Düsseldorf. Mineral water.	64
51. Fachingen on the Lahn. Mineral water.	64
52. Gerolstein Hause & Charlottenquellen, Gerolstein. Mineral water.	64
53. Gerolsteiner Sprudel, Gerolstein. Mineral water.	64
54. Kgl. Preussisches Bad, Neundorf. Sulphur water, etc.	64
55. Kronthaler Mineralquellen, Kronthal. Mineral water.	64
56. Niederselters, Wiesbaden. Mineral water.	64
57. Rheinische Gesellschaft fuer Metal Industrie, Cologne. Mineral water.	64
58. Rhenser Mineral-brunnen, Rhens. Mineral water.	64
59. Schwalheimer Brunnen-Comptoir, Schwalheim. Mineral water.	64
60. Soolbad Juliusshall, Harzburg. Mineral water.	64

## Liquors, Malt Liquors, Machinery, Appliances of Fermenting, Farming Tools.

Exhibit No.	Class'n No.
61. Weinberg-Hitzacker, Sanitarium. Mineral water.	64

## GROUP 11.

62. Aberle, Carl, Gutach, Baden. Liqueurs.	69
63. Arp, Ernst L., Kiel. Bitters.	70
64. Boll, D. H., Luetjenburg, Holstein. Rye whisky, etc.	66
65. Buff, Ludwig, Echternach. Cordials.	
66. Deutsche Benediktine Liqueur Fabrik, Waldenburg in Silesia. Liqueurs.	69
67. Dieffenbach, J. W., Munich. Liqueurs.	69
68. Frick, Fr., Lahr, Baden. Liqueurs.	69
69. Geppert, F., Bühl, Baden. Distilled liqueurs.	67
70. Gilka, J. A., Berlin. Liqueurs.	69
72. König, H. L., Steinhagen, Westphalia. a Gin and materials.	67
b Aromatique liqueur.	69
73. Lappe, Th., Neudietendorf, Thuringia. Aromatique Liqueur.	69
74. Murkowski, Stanislaus, Posen. Liqueurs and essences.	69
75. Schlichte, H. W., Steinhagen, Westphalia. Gin and kindred products, etc.	67
76. Seyberlich, Alfred, Dresden. Distilled spirits.	67
77. Todtmann, C. H., Altona. Pure spirits.	68
78. Underberg-Albrecht H., Rheinberg am Niederrhein. Bitters.	70
The only genuine and world-renowned "Boonekamp of Maag-Bitter." Luyties Brothers, New York, sole agents.	

## GROUP 12.

79. Actienbrauerei zum Löwenbrau, Munich. Beer.	73
80. Beck & Co., Kaiserbrauerei, Bremen. Beer.	73
81. Bierbrauerei zum Thomasbrau, Munich. Beer.	73
82. Boll, D. H., Lütjenburg, Schleswig-Holstein. Beer.	73
83. Bürgerliches Brauhaus, Munich. Beer.	73
84. Erich, Franz, Erlangen. Beer.	73
85. Erste Bamberger Export-Bierbrauerei, "Frankenbräu," Bamberg. Beer in metal barrels.	73
86. Erste Kulmbacher Exportbier Brauerei, Kulmbach. Beer.	73
86a. Hildebrand, Justus, Pfungstadt, Hessia. Beer.	73
87. Hoff, Johann, Berlin. Malt extract preparations.	72

Exhibit No.	Class'n No.
88. Hoff, Leopold, Hamburg. Malt tract preparations.	
90. Kulmbacher Export Brauerei "Mörschhof," Kulmbach, Bavaria. Beer.	
91. Sandler, G., Kulmbach. Beer.	
92. Wagner, Joseph, Munich. Beer.	
93. Weyermann, Mich., Bamberg, varia. Malt products.	

## GROUP 13.

95. Bock, F., Karlsruhe. Mineral water machinery.	
97. Boldt & Vogel, Hamburg. Refractor and machinery for breweries.	
98. Euzinger, L. A., Worms. Machinery and appliances for bottling beer.	
99. Gehrke, Heinrich, Berlin. Beer fountains, siphons, etc.	
101. Metallwerke Oktiengesellschaft, Magdeburg. a Model of a distilling apparatus. Dept. G. b Model of a rectifying apparatus.	
102. Rheinische Gesellschaft fuer Metallindustrie, Cologne. Circulating siphons.	

## GROUP 15.

107. Friese & Von Puttkamer, Dresden. Works on agriculture.	
108. Korn, Wilh. Gottl. Breslau. Works on agriculture.	

## GROUP 16.

109. Allweiler, Gotthard, Radolfzell, Baden. Wind pumps, fire and water engines.	
110. Boelte, Gustav, Oschersleben. Pressing machine.	
111. Canstatter Misch & Knetmaschinentabrik, Wurtemberg. Manure kneading and compounding machines.	
112. Dencker, J. H., Sulingen, Hanover. Scythes.	
113. Eckert, H. F., Berlin. Steel plows.	
114. Klau, Karl, Berlin. Potato harrows.	
115. Klinger, C. A., Altsbacht-Stolzenberg. Threshing machine.	
116. Lehnigk, A., Vetschau, Lusatia. Engine and agricultural machinery.	
117. Mayer & Co., Kalk. Barley sieve.	
118. Sack, Rudolph, Leipsic. a Plows. b Drills.	
119. Siedersleben, W., & Co., Bernburg. Drill and fertilizing machines.	
120. Unterlip, F. W., Magdeburg. Potato digger.	
121. Wachtel, D., Breslau. Potato planter.	

## Fertilizing Compounds, Fats, Oils, Soaps, Candles, etc.

Exhibit No.	Class'n No.
122. Werner & Pfeiderer, Cannstadt. Models of kneading and compounding machines.	88
123. Wolf, R., Magdeburg-Buckau. Portable engine.	88

## GROUP 17.

124. Albert, H. & E., Biebrich-on-Rhine. Fertilizing compounds.	92
124a. Ausstellung der Deutschen Kaliwerke, Stassfurt. Potash salts for fertilizing.	93
125. Ausstellung, Samuel, Strassfurt. Potash-salts for fertilizing, etc.	93
132. Werner & Pfeiderer, Cannstadt. Fertilizers.	93

## GROUP 18.

133. Gautsch, Joseph, Munich. Wax articles.	97
134. Glafy, G. A., Nuremberg. Night-candles.	97

Exhibit No.	Class'n No.
135. Heerdter Oelworke, Heerdt, near Neuss-on-the-Rhine. Oils and grease.	94
136. Roedelius & Co., Trier-on-the-Mosell. Tapers, beeswax, etc.	97
137. Rosenstein, W., Stettin. Swedish grease for hunting boots.	98
138. Stettiner Kerzenu und Seifenfabrick, Stettin. Stearic tapers, raw glycerine.	97
139. Teiller, Paul, Munich. Life size group of wax.	98

## GROUP 18a.

140. Fahlberg, List & Co., Salbke-Wes-terhuesen on Elbe, Saccharine.	547
New sweetening medium made from coal tar. 500 times sweeter than granulated sugar. Unfermentable; healthier than sugar. Used by physicians and all industries requiring purity. Patents in all countries.	

## GREAT BRITAIN.

## LOCATION—SEC. A.—N. E. QUARTER.

## Cereals, Sugars, Syrups, Confectionery.

## GROUP 1.

Exhibit No.	Class'n No.
1. Crosse & Blackwell, Ltd., London. Dried grains.	11
2. Garton, R. & J., Newton-le-Willows, Lancashire. Types of cereals.	2
3. Hill, R. R., & Sons, Drogheda, Ireland. Oatmeal.	11
4. McCann, John, Drogheda, Ireland. Oatmeal.	11
John McCann manufactures none but the very best white oats grown on the finest tillage land in Ireland. Specially prepared by patent machinery of his own invention. Obtained highest award everywhere exhibited—London, 1851; Dublin, 1853; Philadelphia, 1876, and Cork, 1883.	
5. Mold, W. H., Ashford.	1
a Wheat.	1
b Oats.	3
6. Power, Sir John, & Son, Dublin, Ireland. Native malt.	11

## GROUP 2.

Exhibit No.	Class'n No.
7. Parkinson, R., & Sons, Burnley.	
a Baking powder.	12
b Custard and egg powders.	13
Prepared by chemists. Chemically accurate. 5 prize medals, London, Brussels, Edinburgh, etc. Free from alum in any form.	

## GROUP 3.

8. British Bee-keepers' Association, London. Honey and literature of bee-keeping.	26
9. Fry, J. S., & Sons, London. Chocolate confectionery.	27
10. McNally, Ebenezer, Birmingham. Honey and beeswax, goods manufactured with honey.	26
11. Pryor, William Wrea, Welwyn. Honey and beeswax.	26
12. Wood Bros. & Boyd, Newcastle, New South Wales. Sugar.	

## Preserved Meats, Dairy Products, Vegetable Substances, Pure and Mineral Waters.

## GROUP 6.

Exhibit No.	Class'n No.
13. Bovril, Ltd., London. Concentrated beef.	37
14. Coleman & Co., Ltd., Norwich. Extract of meat.	37
15. Crosse & Blackwell, Ltd., London.	
<i>a</i> Preserved fish.	36
<i>b</i> Preserved meats, vegetables and soups.	37
16. Idris & Co., London. Meat preparations.	37
17. King, Frederick, & Co., Ltd., London. Desiccated soups and preserved potato.	37
18. Liebig's Extract of Meat Company, Ltd., London. Extract of meat, meat meal, etc.	37
19. Liquor Carnis Company, Ltd., London. Juices and jellies of meat.	37
20. Maconochie Bros., London.	
<i>a</i> Preserved fish.	36
<i>b</i> Preserved meats, soups and vegetables.	37
21. Webb, Jubal, London. Ham.	34

## GROUP 7.

22. London & Provincial Dairy Co., London. Churn and dairy appliances.	44
23. Nicholls, William, & Co., Chippenham. Extract of annatto.	43
24. Webb, Jubal, London.	
<i>a</i> Cream.	41
<i>b</i> Cheese.	43

## GROUP 8.

25. Birmingham Vinegar Brewery Co., Ltd., Birmingham. Table sauces, pickles, spices, etc.	47
26. British Deli & Langkat Tobacco Co., Ltd., London.	
<i>a</i> Leaf tobacco.	48
<i>b</i> Cigars.	52
27. British North Borneo Company, London.	
<i>a</i> Tobacco.	48
<i>b</i> Cigars.	52
28. Crosse & Blackwell, Ltd., London. Pickles, sauces and condiments.	47
29. Edmunds, Joseph, London. Curry sauce, chutney, etc.	47
30. Fry, J. S., & Sons, London. Cocoa and chocolate.	45
31. Harry & Co., Calcutta, India. Chutneys, pickles, curry, etc.	47
32. Keen, Robinson & Belleville, London. Mustard, groats and barley for invalids.	47

Exhibit No.	Class'n No.
33. Lipton, Thomas J., London. Tea and coffee.	
34. Maconochie Bros., London.	
<i>a</i> Cocoa.	
<i>b</i> Spices, pickles, sauces and condiments.	
35. McDowall, J., & Co., Glasgow, Scotland. Horse and cattle condiments, and poultry spice.	
36. Nowrojee, Framjee, Bombay, India. Indian condiments.	
37. Rickards Machine Company, Ltd., Birmingham.	
<i>a</i> Cigar and cigarette machines and appliances.	
<i>b</i> Cigars and cigarettes.	
38. Smith, T. & H., & Co., London. Coffee essences, cocoa and chocolate.	
39. Sylhet Tea Gardens, London.	

## GROUP 9.

40. Combe, Barbour & Combe, Ltd., Belfast, Ireland. Fibres illustrating processes of manufacture.	
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## GROUP 10.

40a. Apollinaris Company, Ltd., London. Mineral waters.	
41. Artesian Company, Ltd., Dublin, Ireland.	
<i>a</i> Artificial mineral waters.	
<i>b</i> Aerated waters.	
42. Belfast Mineral Water Company, Ltd., Belfast, Ireland. Ginger ale, champagne, cider, soda water, etc.	
43. Bradford Coffee Tavern Company, Ltd., Bradford. Aerated waters.	
44. Cantrell & Cochrane, Belfast, Ireland.	
<i>a</i> Mineral waters.	
<i>b</i> Aerated waters.	
45. Curry, William, & Co., Belfast, Ireland. Aerated beverages.	
46. Denton, Smith, Bradford.	
<i>a</i> Mineral waters.	
<i>b</i> Aerated waters.	
47. Idris & Co., London. Aerated waters.	
48. Reginaris, Ltd., London. Mineral waters.	
49. Ross, W. A., & Sons, Ltd., Belfast, Ireland. Ginger ale, soda water, etc.	
50. Shanks, J., & Co., Dublin, Ireland. Aerated non-alcoholic beverages.	
51. Smith, T. & H., & Co., London. Aerated waters.	
52. Whistley Water Company, London. Mineral water.	

## Whiskies, Liquors and Alcohol, Malt Liquors.

## GROUP 11.

Exhibit No.	Class'n No.
53. Bowmore Distillery Company, Bowmore, Scotland. Whiskies and samples of grain.	66
54. Bradford Coffee Tavern Company, Ltd., Bradford. Cordials and punch.	69
55. Brown, Malcolm, & Co., Louth, Ireland. Irish whisky.	66
56. Buchanan, James, & Co., London. Scotch whisky.	66
57. Corry, William, & Co., Belfast, Ireland. Raspberry vinegar.	71
58. Crosse & Blackwell, Ltd., London. Malt vinegar.	71
59. Dewar, John, & Sons, London. Highland whisky.	66
60. Haig, Charles Robert, London. Welsh malt whiskies.	66
61. Hopkins, John, & Co., London. Scotch whisky.	66
62. Idris & Co., London. Cordials.	69
63. Irish Whisky Company Ltd., Belfast. Irish whisky.	66
64. Lander, Archibald, Glasgow, Scotland. Whisky.	66
65. Maconochie Bros., London. Malt vinegar.	71
66. McCarthy, J., & Sons, Cork, Ireland. Irish whisky.	66
67. McDonald, D. P., & Sons, Fort William, Scotland. Malt whiskies.	66
68. Menzies, James, Glasgow, Scotland. Scotch whisky.	66
69. Nicholson, J. & W., & Co., London. Gin and spirits.	67
70. Old Bushmills Distillery Company, Ltd., London. Irish whisky.	66
Pure Malt. Distillery, County Antrim, Ireland. Offices, Belfast, Ireland; Camomile St., London. Supplied at The Great White Horse Inn, World's Fair.	
71. Power, Sir John, & Son, Dublin, Ireland. Whiskey.	66
London office, 62 and 63 Mark Lane. "Pure Pot Still" from native malt; output 30,000 gallons per week. See the Irish Round Tower. Representatives and agents for Chicago, Delaney & Murphy, 10 and 12 Wabash Ave.	
72. Ross, W. A., & Sons, Ltd., Belfast, Ireland.	
a Cordial, etc.	69
b Raspberry vinegar.	71
73. Thorne, R., & Sons, Ltd., London.	
a Whisky.	66
b Gin and rum.	67

## GROUP 12.

Exhibit No.	Class'n No.
74. Allsopp, Samuel & Sons, Ltd., Burton-on-Trent. Ales and stout.	73
Brewers and bottlers of India pale ale and extra stout. (The Red Hand brand.)	
75. Bingham, Cox & Co., St. Albans. Malt liquors.	73
75a. Burroughs, Wellcome & Co., London. Extract and Essence of Malt, etc.	72
Kepler Extract of Malt, highly diastasic and non-alcoholic. Kepler Essence of Malt, a liquid digestive and nutrient. Kepler bitter Essence of Malt or concentrated ale. Kepler Solution of Cod liver oil in Extract of Malt. New York office, 347 Fifth Ave.	
76. Coleman & Co., Ltd., Norwich. Malt wine.	72
77. Deasy & Co., Cork, Ireland. Stout and porter.	73
78. Denton, Smith, Bradford. Hop ale.	73
79. Foster, M. B., & Sons, Ltd., London. Beers.	73
The "Bugle" brand bottled beers are the most celebrated in the world, are to be had in the leading ports of both hemispheres, and are the only British beers supplied by the Wellington Catering Co., Chicago Exposition. Output, 12 million bottles per annum.	
80. Murre's Brewing Company, Rawalpindi, East Indies. Beer.	73
81. O'Reilly, M., & Co., Dublin, Ireland. Malt.	72
82. Page, J. R., & Sons, Aahwell. Malt liquors.	73
83. Plunkett, John, & Co., Dublin, Ireland. Malts and maize.	72
84. Porter, Robert, & Co., London. Ales and stout.	73
85. Smith, John, Tadcaster Brewery Company, Ltd., Tadcaster. Ales and stout.	73
86. Tennent, J. & R., Glasgow, Scotland. Malt liquors.	73

## GROUP 14.

87. Burdette-Coutts, W., London. Model of Brookfield stud-farm, portraits of some Brookfield prize winners.	78
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## GROUP 15.

88. British Government; Board of Agriculture, London. Maps illustrating the relative extent of surface in Great Britain under permanent grass and arable culture, with the proportion of the cultivated areas employed for wheat.	
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## Fertilizers, Oils, Soaps, Manufactured Products, Seeds.

Exhibit No.	Class'n No.
89. Gilbert, J. H., Rothamstead. Results from the Rothamstead Experimental Farm.	83
90. Lawes, John Bennett, Rothamstead. Results from Rothamstead Experimental Farm.	83

## GROUP 17.

91. Anglo-Continental Guano Works, London. Fertilizing materials.	92
92. Croft, Gonne & Co., Calcutta, India. Ground bone.	92
93. Drogheda Chemical Manure Company, Drogheda, Ireland. Manures and raw materials.	92
94. Liebig's Extract of Meat Company, Ltd., London. Manures.	92
95. Quibell Bros., Newark-on-Trent. Glue.	90

## GROUP 18.

96. Ingham's Eucalyptus Oil Company, Rockhampton.	
<i>a</i> Oils.	95
<i>b</i> Soap and boiler fluid.	96
97. Price's Patent Candle Company, Ltd., London.	
<i>a</i> Soaps.	96
<i>b</i> Candles, tapers, etc.	97

Exhibits Classed in other Departments but Installed in this.

## DEPARTMENT B.

Pomology, Manufactured Products, Methods and appliances.

## GROUP 21.

101. Beach, T. W., & Sons, Ltd., London.	
<i>a</i> Preserved fruits.	140
<i>b</i> Jellies.	141

Exhibit No.	Class'n No.
102. Chambers, Charles, London.	
<i>a</i> Preserved fruits.	
<i>b</i> Fruit jellies; marmalades.	
103. Corry, William & Co., Belfast, Ireland. Lime juice preparations.	
104. Crosse & Blackwell, Ltd., London. Preserved fruits.	
104a. Evans, Sons & Co., Liverpool. Montserrat lime fruit juice.	
105. Harry & Co., Calcutta, India. Preserves, jam, jelly, etc.	
106. Maconochie Bros., London. Preserved fruits.	
107. Riddle, Alexander, & Co., London. Fruit juices.	
108. Rose, Lauchlan & Co., Leith, Scotland. Lime juice cordial and beverages.	

## GROUP 24.

Seeds, Seed Raising, Testing and Distribution.

109. Carter, J., & Co., London. Seeds.	
110. Edmunds, Joseph, London. Seeds.	

## GROUP 26.

Appliances, Methods, Etc.

112. Main Thomas, Milton Bowling, Scotland. Horticultural buildings and appliances.	
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## GREECE.

## LOCATION—SEC. C.—S. E. QUARTER.

## Syrups, Vegetable Substances.

Exhibit No.	Class'n No.
1. Cassimati, Stylianos, Cythire. Cytherian honey.	26
2. Coropoulis, Georges, Athens. Hymette honey.	26
3. Olympian Commission, Athens. Hymette honey.	26

Exhibit No.	Class'n No.
4. Papajeannakis, Stamatiou, Athens. Hymette honey.	

## GROUP 8.

10. Coulouriotis, Panagiotis, Athens.	
<i>a</i> Cut tobacco.	
<i>b</i> Cigarettes.	

## Animal and Vegetable Fibres, Fats, Oils, Soaps, Candles, etc.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
11. <b>Olympian Commission, Athens.</b>		31. <b>Ayramis, Anastase, Corfou.</b>	<b>Olive</b>
<i>a</i> Leaf tobacco.	48	oil.	95
<i>b</i> Cigarettes.	52	32. <b>Bazahis, Syridion, Zante.</b>	<b>Common</b>
12. <b>Papaconstantinon, Scarlatos, Tharsala.</b>		soap.	96
Leaf tobacco.	48	33. <b>Charilaos, Canellopoulos, Athens.</b>	
13. <b>Triantaphillides, Alexandre, Athens.</b>		Common soap.	96
<i>a</i> Leaf tobacco.	48	34. <b>Chryssomallis, Jean, Calamata.</b>	<b>Olive</b>
<i>b</i> Cigarettes.	52	oil.	95
<b>GROUP 9.</b>		35. <b>Maciedos, Spyridion, Corfou.</b>	<b>Olive</b>
20. <b>Callizzi, P., Piree.</b>	<b>Silk Cocoons.</b>	oil.	95
21. <b>Donassi, Spyridion, Calamata.</b>	<b>Raw silk.</b>	36. <b>Mercati &amp; Co., Zante, Ionian Isles.</b>	
22. <b>Marava Bros., Calamata.</b>	<b>Raw silk.</b>	Green olive oil soap.	96
23. <b>Stassinopoulos Bros., Calamata.</b>	<b>Silk cocoons and raw silk.</b>	37. <b>Saraidaris, G., Piree.</b>	<b>Common soap.</b>
	61	38. <b>Saraidari Bros., Piree.</b>	<b>Olive oil.</b>
		39. <b>Soutzos, D., Athens.</b>	<b>Olive oil.</b>
		40. <b>Synqros, Andro, Athens.</b>	<b>Olive oil.</b>
		41. <b>Zavojeanni Bros., Piree.</b>	<b>Common</b>
30. <b>Anastassion Bros., Zante.</b>	<b>Common soap.</b>	soap.	96
	96		

## GUATEMALA.

## Tea, Coffee, and Vegetable Substances.

## Installed in Guatemala Pavilion.

## GROUP 8.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. <b>Aguilar, Feliciano, Quezaltenango.</b>		14. <b>Castaneda, Romualdo, Suchitepequez.</b>	
Coffee.	45	Coffee.	45
2. <b>Ambrosy, Juan, San Marcos.</b>		15. <b>Castillo, Mariana, Quezaltenango.</b>	
Coffee.	45	Coffee.	45
3. <b>Amerquita, Miguel, Solola.</b>		16. <b>Castro, Jacinto J., Alta Verapaz.</b>	
Coffee.	45	Coffee.	45
4. <b>Apancio, Juan, e hijo, Quezaltenango.</b>		17. <b>Chacon, Federico, Chimaltenango.</b>	
Coffee.	45	Coffee.	45
5. <b>Ariza, Diego L., Quezaltenango.</b>		18. <b>Coban, Municipal Government of.</b>	
Coffee.	45	Coffee.	45
6. <b>Arreola, Francisco B., San Marcos.</b>		19. <b>Coronado, Jose Ma, Alta Verapaz.</b>	
Coffee.	45	Coffee.	45
7. <b>Auyon, Antonio, San Marcos.</b>		20. <b>Corzo, Francisco, Solola.</b>	<b>Coffee.</b>
Coffee.	45	21. <b>De la Cerda, Crecencio, San Marcos.</b>	
8. <b>Ayan, Rafael, Quezaltenango.</b>		Coffee.	45
Coffee.	45	22. <b>De Leon, C., Suchitepequez.</b>	<b>Coffee.</b>
9. <b>Barillas, Ana A. de, Quezaltenango.</b>		Coffee.	45
Coffee.	45	23. <b>De Leon, F., Suchitepequez.</b>	<b>Coffee.</b>
10. <b>Barillas, Manuel L., Quezaltenango.</b>		Coffee.	45
Coffee.	45	24. <b>De Leon, Martin, Solola.</b>	<b>Coffee.</b>
11. <b>Biggs, Oscar, San Marcos.</b>		Coffee.	45
Coffee.	45	25. <b>De Pones, Domingo M., Solola.</b>	
12. <b>Bruni, Millares, Quezaltenango.</b>		Coffee.	45
Coffee.	45	26. <b>Diaz, Damian, Solola.</b>	<b>Coffee.</b>
13. <b>Caceres, J. Pompillo, San Marcos.</b>		27. <b>Diaz, Gabriel, Solola.</b>	<b>Coffee.</b>
Coffee.	45	28. <b>Diaz, Manuel, Solola.</b>	<b>Coffee.</b>
		29. <b>Diaz, Rafael A., San Marcos.</b>	<b>Coffee.</b>
		Coffee.	45

## Tea, Coffee, Spices, Hops, and Aromatic and Vegetable Substances.

Exhibit No.	Class'n No.	Exhibit No.
30. Euler y Cia, Alta Verapaz.	Coffee. 45	60. Murga, Ramon, Amatitlan. C
31. Fale, Manuel Timoteo, Solola.	Coffee. 45	61. Nelson, Guillermo, Quezalten
32. Fomento, Junta de, Alta Verapaz.	Coffee. 45	62. Ovalle, Blandino, Quezalten
33. Fuentes, Domingo, Solola.	Coffee. 45	63. Padilla, Braulio, Suchitepequez.
34. Garcolea, Domingo, Quezaltenango.	Coffee. 45	64. Padilla, Rafael, Amatitlan. C
35. Gillet, Eduardo, Quezaltenango.	Coffee. 45	65. Pagannini, Jacobo. Quezalten
36. Gomez, Bernardo, Alta Verapaz.	Coffee. 45	66. Paz, Francisco, Alta Verapaz.
37. Goubaud, E. y Cie, Chimaltenango.	Coffee. 45	67. Pena, E., Suchitepequez. Coffe
38. Gramajo, J. Angel, Solola.	Coffee. 45	68. Patapa, Municipal Governmen
39. Gramajo, Salvador, Solola.	Coffee. 45	69. Pineda, Gregorio, Alta Ver
40. Guerra, Manuel G., Chimaltenango.	Coffee. 45	70. Prado, Francisco Sierra,
41. Gutierrez, Doroteo, Quezaltenango.	Coffee. 45	Verapaz. Coffee.
42. Hermosilla, Francisco. San Marcos.	Coffee. 45	71. Quinonez, Eduardo, Quezalten
43. Hernandez, Luis, Alta Verapaz.	Coffee. 45	72. Ramirez, Adrian, Suchitepe
44. Jacoby Luis, Quezaltenango.	Coffee. 45	73. Reed, Jorge, Quezaltenango.
45. James, Alberto C., Quezaltenango.	Coffee. 45	74. Rivera, Bernardo, San Marcos.
46. Lapolleso, Antonio, Suchitepequez.	Coffee. 45	75. Rivera y Barrias, San Marcos.
47. Lopez, General Lorenzo, San Mar-	Coffee. 45	76. Rodas, Fernando, San Marcos.
cos. Coffee.	45	77. Rodriguez, Eugenio, San Ma
48. Lopez, Ventura, San Marcos.	Coffee. 45	78. Rodriguez, Hnos., San Marcos.
49. Luna, Manuel, Chimaltenango.	Coffee. 45	79. Salazar, Marcelo, San Marcos.
50. Makpee & Traampe. San Marcos.	Coffee. 45	80. Samayoa, Pantaleon Perez, Such
51. Maldonado, Manuel, Solola.	Coffee. 45	quez. Coffee.
52. Maldonado, Mariano, Quezaltenango.	Coffee. 45	81. Sanchez, Guillermo, Quezalten
53. Maldonado, Rutilo F., San Marcos.	Coffee. 45	82. Santizo, J. Angel, Solola. Coff
54. Mauri, Pedro, San Marcos.	Coffee. 45	83. Sapper, R., Alta Verapaz. Coff
55. Meono, Antonio, San Marcos.	Coffee. 45	84. Saravia, Ignacio, Chimaltenango.
56. Monzon, Luciano, Quezaltenango.	Coffee. 45	85. Sato, General, San Marcos. C
57. Monzon, Salvador, Quezaltenango.	Coffee. 45	86. Soria, Fidel, Alta Verapaz. C
58. Morales, Manuel T., San Marcos.	Coffee. 45	87. Thomas, Mauricio, Alta Ver
59. Morales, Prospero, San Marcos.	Coffee. 45	88. Toledo, Elias, San Marcos. C
		89. Urrutia, Laureano, Solola. C
		90. Valdez, Juan Solola. Coffee.
		91. Valle, Felix, Solola. Coffee.

Coffee.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
92. Vanderputte, A., de, Solola. Coffee.	45	95. Zbilakoff, Antonio, Suchitepequez. Coffee.	45
93. Velez, Paclo, Suchitepequez. Coffee.	45		
94. Wyld, Hnos., Chimaltenango. Coffee.	45	96. Zepeda, Rafael. Suchitepequez. Coffee.	45

# HONDURAS.

LOCATION—GALLERY F.—S. W. QUARTER.

GROUP 8.

Exhibit No.	Class'n No.
1. Honduras Commission.	48
2. Tobacco.	52
3. Cigars.	

Exhibits Classed in other Departments but Installed in this.

DEPARTMENT N.

Forestry, Forest Products.

Exhibit No.	Class'n No.
2. Honduras Commission. Sarsaparilla.	108

# INDIA.

LOCATION—INDIA PAVILION.

Tea.

GROUP 8.

Exhibit No.	Class'n No.
1. Aladanga Tea Company, Ltd., Dooars. Tea.	45
2. Alyne Tea Estate, Cachar. Tea.	45
3. Amgoori Tea Estate, Assam. Tea.	45
4. Assam Frontier Tea Company, Ltd., Assam. Tea.	45
5. Attareekat Tea Company, Ltd., Assam. Tea.	45
6. Avongrove Tea Estate, Darjeeling. Tea.	45
7. Bakson Tea Company, Ltd., Darjeeling. Tea.	45
8. Bangram Tea Estate, Chittagong. Tea.	45
9. Bargang Tea Company, Ltd., Assam. Tea.	45
10. Barokai Tea Company, Ltd., Cachar. Tea.	45
11. Belgachi Tea Company, Ltd., Terai. Tea.	45
12. Bengal Tea Company, Ltd., Cachar. Tea.	45

Exhibit No.	Class'n No.
13. Bhootia Chang Tea Estate, Assam. Tea.	45
14. Bircampore Tea Estate, Cachar. Tea.	45
15. Bishnanth Tea Company, Ltd., Assam. Tea.	45
16. Boisah Habee Tea Estate, Assam. Tea.	45
17. Borelli Tea Company, Ltd., Assam. Tea.	45
18. Borpukhurie Tea Company, Ltd., Assam. Tea.	45
19. Cachar Company, Ltd., Cachar. Tea.	45
20. Central Terai Tea Company, Ltd., Terai. Tea.	45
21. Chubwa Tea Company, Ltd., Assam. Tea.	45
22. Cutlecherra Tea Estate, Cachar. Tea.	45
23. Dabingeapar Tea Estate, Assam. Tea.	45
24. Daodputlee Tea Company, Ltd., Cachar. Tea.	45

## Tea, Coffee, Spices, Hops, and

Exhibit No.					
30.	Euler y Cia, Alta Verapaz.	Coffee			Company, Ltd., Dooars.
31.	Fale, Manuel Timoteo, Solola.	Coffee			State, Assam. Tea.
32.	Fomento, Junta de, Alta Verapaz.	Coffee.			State, Assam. Tea.
33.	Fuentes, Domingo, Solola.	Coffee			Company, Ltd., Darjeeling.
34.	Garcolca, Domingo, Quezaltenango.	Coffee.			Tea Company, Ltd., Assam.
35.	Gillet, Eduardo, Quezaltenango.	Coffee.			Gong Tea Company, Ltd.
36.	Gomez, Bernardo, Alta Verapaz.	Coffee.			Tea Company, Ltd., Assam.
37.	Goubaud, E. y Cie, Chimaltenango.	Coffee.			Curie Tea Company, Ltd.
38.	Gramajo, J. Angel, Solola.	Coffee			Tea.
39.	Gramajo, Salvador, Solola.	Coffee			oom Tea Co., Ltd., Dooars. T
40.	Guerra, Manuel G., Chimaltenango.	Coffee.			New Chumta Tea Company, Ltd.
41.	Gutierrez, Doroteo, Chimaltenango.	Coffee.			Tea.
42.	Hermosilla, Francisco, Chimaltenango.	Coffee.			New Mutual Tea Company, Ltd.
43.	Hernandez, Luis, Chimaltenango.	Coffee.			Car. Tea.
44.	Jacoby Luis, Quezaltenango.	Coffee			Northen Bengal Tea Company, Ltd.
45.	James, Alberto, Chimaltenango.	Coffee.			ars. Tea.
46.	Lapolleso, Antonio, Chimaltenango.	Coffee.			North Sylhet Tea Company, Ltd.
47.	Lopez, General, Chimaltenango.	Coffee.			thet. Tea.
48.	Lopez, Ventura, Chimaltenango.	Coffee.			North Western Cachar Tea Company, Ltd., Cachar. Tea.
49.	Luna, Manuel, Chimaltenango.	Coffee.			Oaklands Tea Estate, Assam. Tea.
50.	Makpee & Co., Chimaltenango.	Coffee.			Oaks Tea Estate, Darjeeling. Tea.
51.	Maldonado, Chimaltenango.	Coffee.			Ohat Tea Estate, Assam. Tea.
52.	Maldonado, Chimaltenango.	Coffee.			Pandam Tea Estate, Darjeeling. T
53.	Maldonado, Chimaltenango.	Coffee.			66. Pathecherra Tea Estate, Cachar. T
54.	Mauri, Chimaltenango.	Coffee.			67. Pathemara Tea Estate, Cachar. T
55.	Meon, Chimaltenango.	Coffee.			68. Punkabaree Tea Company, Ltd., Darjeeling. Tea.
56.	Monzo, Chimaltenango.	Coffee.			69. Puttabong Tea Estate, Darjeeling. Tea.
57.	Monzo, Chimaltenango.	Coffee.			80. Puttareah Tea Company, Ltd., Cachar. Tea.
58.	More, Chimaltenango.	Coffee.			81. Puttia Tea Estate, Chittagong. T
59.	More, Chimaltenango.	Coffee.			82. Ruttonpore Tea Estate, Cachar. T
					83. Scottish Assam Tea Company, Ltd., Assam. Tea.
					84. Scottpore Tea Company, Ltd., Cachar. Tea.
					85. Second Falodhi Tea Company, Ltd., Terai. Tea.
					86. Second Mutual Tea Company, Ltd., Cachar. Tea.
					87. Selim Tea Company, Ltd., Terai. Tea.
					88. Shakomato Tea Company, Ltd., Assam. Tea.
					89. Sidrapong Tea Estate, Darjeeling. Tea.

## Tea, Miscellaneous.

Class'n No.	
45	Assam Tea Co., Ltd.,
45	Malijian Tea Estate,
45	Company, Ltd., Darjeeling.
45	Tea Company, Ltd.,
45	Tea Company, Ltd., Dar-
45	aree Tea Estate, Assam. Tea.
45	ore Tea Company, Ltd., Cachar.
45	ta Valley Tea Company, Ltd.,
45	g. Tea.
45	mpore & Gogra Tea Co., Ltd.,
45	Tea.
45	Taengalbaree Tea Estate, Assam.
45	Ting Ling Tea Company, Ltd., Dar-
45	ng. Tea.

Exhibit No.	Class'n No.	
101.	45	Tingri Tea Company, Ltd., Assam.
102	45	Tea.
	45	Titadimoro Tea Estate, Assam. Tea.
103.	45	Tukvar Tea Company, Ltd., Dar-
	45	jeeling. Tea.
104.	45	Western Cachar Tea Company, Ltd.,
	45	Cachar. Tea.

Exhibits Classified in Other Departments  
but Installed in This.

## DEPARTMENT G.

Vessels, Boats,-- Marine, Lake and River  
Transportation.

## GROUP 85.

105.	Harton, W. H., & Co., Calcutta.	582
	Ropes and cordage.	

## ITALY.

LOCATION--SEC. D. -S. W. QUARTER,

Cereals, Pastes, Sugars, Confectionery.

## GROUP 1.

Exhibit No.	Class'n No.	
1.	1	Biondi Fillippo, Agira. Wheat.
2.		Di Cola, Giovanni, Termini Imerese.
		Grain.
3.		Passerini, Carlo, Turin. Agricultural
		products.

## GROUP 2.

4.	15	Balsamo, Vincenzo, Termini Imerese.
		Pastes.
5.	13	Bellomo, Francesco, Bakery, Palermo.
		Pies.
6.	15	Bertagni Bros., Bologna. Pastes.
7.	15	Buitoni, G., & Bro., Sansepolcra.
		Pastes.
8.	16	Collela, Roberto, Naples. Blood al-
		bomen.
9.	15	Defferari & Pissarello, Corvo. Paste.
10.	15	Le Monaco Bros., Monreale. Pastes.
11.	15	Manino, Carlo, Vizzini. Pastes.
12.	13	Restivo, Emanuele, Licata. Almond
		cake.
13.	13	Rossi, Arcangelo, Benevento. Almond
		cake.

Exhibit No.	Class'n No.	
14.	15	Sansone, Salvatore, Termini Imerese.
		Pastes.
14a.	15	Scaduto and Nicosia. Pastes.
15.	13	Scavone, G. G., Serra di Falco. Honey
		cake.
16.	15	Tancredi, Giuseppe, Naples. Pastes.

## GROUP 3.

17.	27	Abate, Luigi, Acireale. Sweetmeats.
18.	27	Arioli, Silvestro, Varese. Caramels.
19.	26	Bonafede, Carlo, Palermo. Honey.
20.	27	Gelardi, Tommaso, Palmi Calabria.
		Sweetmeats.
21.	26	Lanzavecchai, Luigi, Varese.
		a Honey.
	27	b Caramels.
21.		Pedone, Lauriel, F. F. Manna.
22.		Porrivecchi, Carlo. Essence.
22a.	20	Prinetti, Stucchi & Co., Milan. Sugar.
23a.	27	Societa Ligure Lombarda. Sugar.

Wine, Cider, Fruit, Liqueurs, Literature, Machinery.

25. Branca Bros., Milan. Fernet bitt  
26. Branca, Mrs., Milan. Feunet bitt  
27. Castellotti, Luigi, Grondola. Liqueurs.  
28. Cella, Tito, Turin. Liqueurs.  
29. Chiellini, Filippo, Breganze. Liqueurs.  
30. De Martis, P., Giulianova. Liqueurs.  
31. De Pasquale, Salvatore, Messina.  
32. De Sena, Elia, Naples. Liqueurs.  
33. D'Ippolito, Antonio, Pollastri.  
34. Farmerari-Manfredi, Vincenzo, M  
35. Garino, Eligio, Biella. Liqueurs.  
36. Gianotti, Carlo, Milan. Liqueurs.  
37. Girard, T. M., Certosa di Pa  
38. Gori, Agostino, Genoa. Liqueurs.  
39. Isabella & Son, Milan. Liqueurs.  
40. Laise, Achille, Loreto Apurt  
41. Montera, Giuseppe, Taranto. Lique  
42. Notari, Gustavo, Riposto. Spirits  
43. Orsini, Erminio, Giulianova. Lique  
44. Orsini, Carlo, Iesi. Liqueurs.  
45. Patti, Edoardo, Varese. Liqueurs  
46. Pin, Stefano, Fenestrelle. Liqueurs  
47. Pressanti, Giovanni. Liqueurs.  
48. Serrano, Giustino, Aquila. Liqueurs  
49. Valfrè, Giuseppe, Turin. Liqueurs

#### GROUP 12.

50. Metzger Bros., Beer, Asti.

#### GROUP 13.

51. Basso-Mangeri, Giuseppe, Aciri.  
52. Upper Alps Agrarian Co-operat  
53. Association, Montebelluna. Agricultu

#### GROUP 14.

54. Casarotti Bros., Agricultural mach  
55. Magagnoli, Gustavo, Modena. A

#### GROUP 15.

56. Patti G. & Co., Milan. Gelatine.

#### GROUP 16.

57. Agnati Terenzi della Seta, A., P

## Fats, Oils, Miscellaneous.

Exhibit No.	Class'n No.	
83.	95	Berio, F., & Co., Lucca. Oils.
84.	95	Bonanno, Alfredo, Palermo. Olive oil.
85.	95	Carli G. fu Angelo, Porto Maurizio. Olive oil.
86.	96	Chizzoni & Marazzi, Milan. Soaps.
86a.	96	Conti, Enrico & Figli, Livorno. Soaps.
87.	95	De Ferrari and Pissarella, Corvo. Olive oil.
88.	95	De Giacomo, F., & Bros., Naples. Olive oil.
89a.	95	Di Cola, Termini Imerese. Oils.
89b.	95	D'Ippolito Antonio, Pollastri. Olive oil.
89.	95	Elena, Luigi, Genoa. Olive oil.
90.	96	Ferrari, F., Porto Maurizio. a Olive oil.
	96	b Soap.
91.	95	Fortuna, R. & P., Lucca. Oils.
92.	95	Francesconi, Calisto, Lucca. Olive oil.
93.	95	Francesi, Alfonso, Vasto. Olive oil.
94.	95	Giacomini, Comm. Gius., Rome. Oil.
95.	95	Giannini, Matteucci, Lucci. Olive oil.
96.	95	Giglioli, Giorgi, Leghorn. Olive oil.
97.	95	Giuli, Comm. Alberto, Lorenza. Olive oil.
98.	95	Gondi, Carlo, Florence. Olive oil.
100.	95	Maniscalco, Bruttari, Palermo. Oils.
101a.	90	Mayer, Fedele, Fossacesia. Liqueurs.
101.	95	Mayer, Giacomo, Fossacesia. Olive oil.
102.	95	Mazzoni Bros., Empoli. Olive oil.
102b.	95	Morgan, Federico, Farfasibana. Oil.
103.	95	Niemack, Carlo, Leghorn. a Olive oils.
	96	b Soap.

Exhibit No.	Class'n No.	
105.	95	Rae & Co., Leghorn. Olive oil.
107.	95	Sani, Tito, Florence. Olive oil.
108.	95	Sasserno, Picon & Maunie, Bari. Olive oil.
109.	95	Sestini, Ing. Ernesto, Pergine. Olive oil.
110.	95	Workingmen's Co-operative Society, Buti. Olive oil.

Exhibits Classified in Other Departments  
but Installed in This.

## DEPARTMENT B.

## GROUP 20.

111.	Mechini, Eugenio, Gallarate. Wine press.	130
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## GROUP 21.

112.	Bersatti, Salo. Lime juice.	143
113.	Chiappe Bros. Preserves.	140
114.	La Rosa, Palermo. Preserves.	140
115.	Manrano & Sons, Castellabate. Dried figs.	139
116.	Massardo, Diana & Co., Sampierdarena. Preserves.	140
117.	Mazzocchi, Mariano. Green olives.	140
118.	Perelli, Menetti Co., Milan. Preserves.	140
119.	Porrivecchi, Messina. Essences.	143
120.	Pretto, E., & Co., Genoa. Preserves.	140
121.	Rolli, Fantini, Rome. Bottled tomatoes.	140
122.	Scaduto, Nicosia, Bagheria. Preserves.	140

## JAMAICA.

## LOCATION—JAMAICA PAVILION.

## Pastes, Sugars, Vegetable Substances.

## GROUP 2.

Exhibit No.		Class'n No.
2.	Alexander, N., Trinityville. Cassava starch.	16
3.	Bello, Manuel, Kingston. Banana meal.	16
4.	Bogle, Johnson, Trinityville. Tapioca, arrow-root, etc.*	16
5.	Commission for Jamaica, Kingston. Cassava starch and cakes, arrow-root and tapioca.	16
6.	Cumming, T. W., Montego Bay. Banana meal.	16
7.	Hall, J. P., Brown's Town. Banana chips, meal and starch.	16
10.	Hines, Mrs., Spanish Town. Cassava starch.	16
11.	James, A., Port Morant. Banana meal.	16
13.	Lambert, Mrs., Shooters' Hill. Cassava starch, tapioca and arrow-root.	16
14.	Martin, Mrs., Great Valley. Starches and arrow-root meals.	16
16.	Reddish, Mrs., Four Paths. Starches and tapioca.	16
20.	Walker, H., Retreat. Dried bread fruit, arrow-root, banana meal.	16

## GROUP 3.

21.	Bogle, John, Trinityville. Sugar.	18
22.	Craig, Robert, Chapelton. Sugar.	17
23.	Desporte & Co., Kingston. Syrups.	18
26.	Ewing, Alexander, Spanish Town. Sugar.	18
27.	Goron, C., Spanish Town. Beeswax.	26
28.	Grinan, J., Kingston. Sugar.	18
30.	Kerr, Wm., Falmouth. Sugar.	18
31.	Levy, Chas., Kingston. Sugar.	18
32.	McCatty, A. G., & Son, Montego Bay. Syrup.	18
35.	Robinson, A., Kingston. Sugar.	18
36.	Robertson, G., Little River. Sugar.	18
39.	Shearer, J. W., Duncans. Sugar.	18
40.	Shirley, L. C., Duncans. Sugar.	18
43.	Trealeven, C., Lacovia. Sugar.	18
44.	Verley, Louis, Kingston. Sugar.	18

## GROUP 8.

Exhibit No.		
46.	Abrahams, E. R., Four Paths. a Coffee. b Pimento.	
47.	Anderson, T., Four Paths. Coffee.	
48.	Batson, S., Mandeville. Coffee.	
49.	Bogle, Johnson, Trinityville. a Coffee, kola, cocoa, etc. b Pimento.	
54.	Davidson, John, Kingston. a Coffee, kola beans, cocoa. b Pimento.	
55.	De Marcado, Miss, Kingston. sorted pickles.	
56.	Douet, A. W., Claremont. a Coffee (kola). b Pimento.	
57.	Douet, Geo. A., Four Paths. Coffee.	
60.	Edwards, Henry, Porus. Coffee.	
61.	Embsden, S., Devon. Coffee.	
64.	Gossett, Beresford S., Hagley Coffee.	
65.	Gray, J. W., Woodlands. Tobacco.	
67.	Heaven, de, B. Spencer, Hagley Coffee.	
68.	Hibbert, J. M., May Pen. Kola der.	
69.	Hilbert, J. L., May Pen. Coffee.	
71.	James, A., Port Morant. Cocoa.	
73.	Machado, B. & J. B., Kingston. Cigars.	
74.	Maclaverty, Mrs., Cold Spring. Coffee.	
77.	Manners, T., Bull Bay. Cayenne per.	
78.	Marchalleck, Mrs., Chapelton. Cayenne pepper.	
79.	Martin, N. C., Great Valley. a Coffee. b Pimento, pimento dram.	
80.	Martin, T. M., Kingston. Coffee.	
81.	Maxwell, Wm., Four Paths. Coffee.	
82.	McLean, John, Easington. Cayenne pepper.	

## Fibres, Liquors, Miscellaneous Products, Fats.

Exhibit No.	Class'n No.
83. McLean, J., Cold Springs. Coffee.	45
85. Miller, R. J., Christiana. Ginger.	47
86. Orrett, C., Browas Town. Pimento.	47
89. Robertson, H., Walker's Wood. Koia beans.	45
90. Sabonadiere, W. A., Arntully. Coffee.	45
91. Sant, W. E., Knipton. Nutmegs.	47
94. Shaw, Robt., Christiana. Coffee.	45
96. Steer, C. W., Claremont. Pimento.	47
98. Stewart, Elias, Bath. Coffee.	46
100. Taylor, G. G., Hagley Gap. Coffee.	45
102. Walker, H., Retreat. Coffee.	45
103. Wynne, W. W., Mandeville. Coffee.	45

## GROUP 9.

105. Bayley, E. A., Devon. Assorted fibres.	59
106. Burke, John, Trinityville. Banana fibre.	59
107. Davey, E., Devon. Fibre.	59
111. Harriott, H. F., Turk's Island. Pita fibre.	59

## GROUP 10.

115. McCatty, A. G., & Son, Montego Bay. Aerated waters.	65
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## GROUP 11.

118. Bird & Watson, Kingston. a Rum.	67
b Wine and cordial.	69
119. Blair, H., Wiltshire. Rum.	67
120. Boettcher, G., Spanish Town. Rum.	67
121. Craig, Robert, Chapelton. Rum.	67
122. Delgado Bros., Falmouth. a Rum.	67
b Quinine bitters.	70
123. De Marcado, Miss, Kingston. Pepper wine.	70
124. Desporte & Co., Kingston. a Rum.	67
b Cordials and liqueurs.	69
125. Douet, A. W., Claremont. Pimento cordial.	70
128. Ewing, Alexander C., Spanish Town. Rum.	67
129. Farquharson, J. C., Latium. Rum.	67
130. Farquharson, J. M., Santa Cruz. Rum.	67
131. Grinan, J., Kingston. Rum.	67
134. Kerr, Wm., Falmouth. Rum.	67
137. Logan, Quintin, Four Paths. Rum.	67
139. Martin, T. M., Kingston. Rum.	67
140. McCatty, A. G., Sons, Montego Bay. a Liqueurs.	69
144. Nelson, D., St. Ann's Bay. Vinegar.	71

Exhibit No.	Class'n No.
148. Robertson, G., Little River. Rum.	67
149. Robinson, A., Kingston. Rum.	67
151. Scott, Alex., Duncans. Vinegar.	71
152. Shearer, J. W., Duncans. a Rum and spirits.	67
b Cordials.	69
c Vinegar.	71
153. Shirley, L. C., Duncans. Rum.	67
154. Simon & Co., Kingston. a Rum.	67
b Liqueurs.	70
155. Stewart, R. E., Newport. Orange sherry.	69
158. Trealevan, C., Lacovia. Rum.	67
159. Verley, Jas. L., Kingston. Bitters.	70
160. Verley, Louis, Kingston. Rum.	67

## GROUP 17.

162. Commission of Jamaica, Kingston. Hand painted turtle back.	90
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## GROUP 18.

163. Walker, H., Retreat. Cocoonut and castor oils, oil of pepper.	95
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Exhibits Classified in other Departments but Installed in this Building.

## DEPARTMENT N.

164. Ayton, Miss E., Four Paths. Ornamental seeds.	107
165. Batson, S., Mandeville. Walking sticks.	108
166. Brown, C. A., Claremont. a Woods.	99
b Seeds.	107
167. Carr, John, Trinityville. Annatto coloring paste.	103
168. Carty, John, Chapelton. Seeds, lace bark whips.	107
169. Commission for Jamaica, Kingston. Carved cocoa and gru-gru nuts, calabashes.	107
170. Douet, A. W., Claremont. Velve-seeds.	107
171. Douet, W. M., Sav-la-Mar. India rubber.	106
172. Fawcett, W., Gordon Town. a Native woods.	99
b Dried plants.	108
173. Husband, A. E., Newport, Fancy woods and whip sticks.	101
174. Key, Chas., Trinityville. Bamboo baskets.	112
175. Lambert, Mrs., Shooter's Hill. a Baskets.	111
176. McLean, S., Santa Cruz. Basket still.	

## Forestry.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
177. Owen, J. E., Kingston. Flower-pot stand.	101	180. Stewart, Chas., Bath. Carved coanuts.	
178. Senior, Robt., Trinityville. Bamboo hats.	112	181. Tomlinson, R. B., Lacovia. a Gum.	
179. Shaw, Robt., Christiana. Annatto.	103	b Ornamental seeds.	

## JAPAN.

## LOCATION—SEC. B.—N. W. QUARTER.

## Cereals.

GROUP 1.		Exhibit No.	Class'n No.
1. Abe, G., Niigata. Rice.	6	38. Matsumoto, T., Saitama. Rice.	
2. Abe, H., Osaka. Rice from Ehine and Osaka.	6	39. Matsushima, K., Miye. Rice.	
3. Abe, K., Fukuoka. Rice.	6	40. Minamibojo, Y., Osaka. Boiled rice powder.	
4. Ando, K., Gifu. Rice.	6	41. Motegi, Y., Saitama. Rice.	
5. Arai, N., Saitama. Rice.	6	42. Nagano, I., Kumamoto. Rice.	
6. Arai, R., Saitama. Rice.	6	43. Nakatsuka, U., Saitama. Rice.	
7. Bo-cho Rice Quality Reform Association, Yamaguchi. Rice.	6	44. Nippon Rice Exporting Co., Hyogo. Rice.	
8. Buto, S., Saitama. Rice.	6	45. Nomajiri, I., Saitama. Rice.	
9. Fukuchi, N., Sago. Rice.	6	46. Ohata, K., Saitama. Rice.	
10. Hanai, K., Saitama. Rice.	6	47. Okuma, T., Saitama. Rice.	
11. Hara, K., Saitama. Rice.	6	48. Private Industrial Association, Kumamoto. Rice.	
12. Hara, M., Saitama. Rice.	6	49. Rice Culture Reform Association, Gifu. Rice.	
13. Hashimoto & Co., Saitama. Rice.	6	50. Rice Quality Reform Association, Shiga. Rice.	
14. Hattori, T., Miye. Rice.	6	51. Rifumura Agricultural Association, Miyagi. Rice.	
15. Hidakawa, S., Osaka. Boiled rice-powder.	11	52. Riyei Stock Co., Hyogo. Rice, grown and decorticated rice.	
16. Hirata, Y., Yamagata. Rice.	6	53. Sanada, Saitama. Rice.	
17. Homma, M., Yamagata. Rice.	6	54. Sanada, K., Saitama. Rice.	
18. Ichikawa, T., Miye. Rice.	6	55. Sato, K., Shimane. Rice.	
19. Igarashi, K., Yamagata. Rice.	6	56. Sato, S., Hokkaido. a Wheat.	
20. Iguna, T., Saitama. Rice.	6	b Oats.	
21. Imanishi, N., Gifu. Rice.	6	c Barley.	
22. Inagaki, K., Miye. Rice.	6	d Rye.	
23. Ishibara, T., Chiba. Rice.	6	e Rice.	
24. Ishikawa, T., Saitama. Rice.	6	f Buckwheat.	
25. Ishikawa, R., Akita. Rice.	6	57. Sekiguchi, Y., Saitama. Rice.	
26. Ishiura, J., Toyama. Rice.	6	58. Sekine, W., Saitama. Rice.	
27. Kagawa, S., Okayama. Rice.	6	59. Seta, Y., Saitama. Rice.	
28. Kamada, S., Miyagi. Rice.	6	60. Sheraishi, S., Saitama. Rice.	
29. Kamiyama, K., Saitama. Rice.	6	61. Shimada, K., Miyagi. Rice.	
30. Kanazawa, K., Miye. Rice.	6	62. Shirotori, K., Miyagi. Rice.	
31. Kaseki, Y., Niigata. Rice.	6	63. Suto, K., Akita. Rice.	
32. Katsura, S., Saitama. Rice.	6	64. Suzuki, J., Niigata. Rice.	
33. Kato, I., Saitama. Rice.	6		
34. Kawasaki, H., Saitama. Rice.	6		
35. Koshida, S., Saitama. Rice.	6		
36. Koshida, Y., Gifu. Rice.	6		

## Cereals, Sugars, Farm Products, Tea.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
65. Suzuki, S., Chiba. Rice.	6	155. Ishibashi, Y., Niigata. Glucose.	25
66. Suzuki, Y., Miyagi. Rice.	6	156. Kawaura, N., Tokyo. Glucose.	25
67. Tajima, T., Saitama. Rice.	6	157. Kimura, K., Kumamoto. Glucose.	25
68. Takahashi, K., Niigata. Rice.	6	158. Kirizawa, M., Kanagawa. Glucose.	25
69. Takahashi, T., Gifu. Rice.	6		25
70. Takeda, K., Toyama. Rice.	6	159. Kishi, S., Niigata. Confection.	27
71. Tanaka, H., Niigata. Rice.	6	160. Kobayakawa, K., Kumamoto. Glucose.	25
72. Tanaka, Y., Gifu. Astragalus lotor-des.	9		25
73. Tango, C., Niigata. Rice.	6	161. Kobayashi, S., Niigata. Glucose.	25
74. Tuchinonye, T., Kumamoto. Rice.	6	162. Kumon, T., Kochi. Glucose.	25
75. Turuya, J., Gifu. Rice.	6	163. Matsui, S., Hyogo. Canned wafers.	27
76. Wakayanagi Rice Merchants' Association, Miyagi. Rice.	6	164. Matsunami, S., Kumamoto. Glucose.	25
77. Watanabe, T., Ehime. Rice.	6		25
78. Yamamoto, S., Kumamoto. Rice.	6	165. Mori, G., Kumamoto. Glucose.	25
79. Yasuda, W., Gifu. Rice.	6	166. Nakamura, K., Osaka. Glucose.	25
80. Yomota, M., Saitama. Rice.	6	168. Osugi, K., Niigata. Glucose.	25
81. Yoshida, S., Saitama. Rice.	6	169. Sato, B., Niigata. Glucose.	25
		170. Shirai, K., Osaka. Glucose.	25
GROUP 2.		171. Sonoda, K., Kumamoto. Glucose.	25
101. Ikeda, K. Japanese vermicelli.	15	172. Takahashi, K., Niigata. Glucose.	25
102. Ishisaka, Y., Hyogo. Starch.	16	173. Takahashi, M., Niigata. Glucose.	25
103. Kiotaku Company, Kagawa. Japanese vermicelli.	15	174. Watanabe, R., Niigata. Glucose.	25
104. Matsuda, S., Hyogo. Japanese vermicelli.	15	175. Yamaoka, T., Osaka. Glucose.	25
105. Muraki, K., Niigata. Starch.	16	176. Yokota, K., Hyogo. Glucose.	25
106. Naka, Y., Niigata. Starch.	16		
107. Nakashima, Y., Niigata. Starch.	16	GROUP 3.	
108. Nibumura Vermicelli Dealers, Kagawa. Japanese vermicelli.	15	200. Narumi, C., Niigata. Beans.	32
109. Nishimura, S., Osaka. Japanese vermicelli.	15	201. Sato, S., Hokkaido. Beans.	32
110. Oyanagi, I., Niigata. Starch.	16	202. Yamakishi, T., Niigata. Beans.	32
111. Sakuraoka, B., Ibaraki. Starch.	16		
112. Sato, S., Miyagi. Japanese vermicelli.	15	GROUP 6.	
113. Shigemura, T., Osaka. Japanese vermicelli.	15	228. Suzuki, K., Hyogo.	
114. Shiraishi Industrial Association, Miyagi. Japanese vermicelli.	15	a Canned meat.	36
115. Shozushima Fuchisaki Vermicelli Company, Kagawa. Japanese vermicelli.	15	b Extract of beef.	38
116. Shozushima Ikeda Vermicelli Industry Association, Kagawa. Japanese vermicelli.	15		
117. Suzuki, M., Miyagi. Japanese vermicelli.	15	GROUP 8.	
118. Vermicelli Manufacturing Association, Nara. Japanese vermicelli.	15	254. Agricultural Bureau, Department of Agriculture and Commerce, Tokyo. Collective exhibits of tea, pan-fired uncolored, pan-fired colored, basket fired, giokuro, sencho and black tea.	45
GROUP 3.		255. Akana, K., Saitama. Tea.	45
151. Ando, K., Osaka. Glucose.	25	256. Akimoto, T., Saitama. Tea.	45
152. Gamo, K., Yamaguchi. Glucose.	25	257. Aoyama, I., Shizuoka. Green tea.	45
153. Hirano, I., Shiga. Glucose.	25	258. Asami, C., Saitama. Tea.	45
154. Ise, K., Kumamoto. Glucose.	25	259. Asmi, U., Saitama. Tea.	45
		260. Ebato, J., Chiba. Tea.	45
		261. Eguchi, S., Saga. Green tea.	45
		262. Endo, Y., Shizuoka. Green tea.	45
		263. First Tea Manufacturing Co., Kyoto. Green tea.	45
		264. Fugisaki, S., Kagoshima. Leaf tobacco.	48
		265. Fujiye, K., Shizuoka. Black tea.	45
		266. Fukai, T., Miye. Tea.	45

## Tea, Tobacco.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.	
267.	Fukuda, K., Gifu. Tea.	45	310.	Kimura, U., Osaka. Black and green tea.
268.	Hanashimamura Tea Merchants', Shizuoka. Green tea.	45	311.	Kinoshita, H., Kioto. Green tea.
269.	Handa, B., Saitama. Tea.	45	312.	Kioriki Co., Shizuoka. Green tea.
270.	Harada, R., Shizuoka. Green tea.	45	313.	Kioto Tea Association, Kioto. Tea.
271.	Hara, S., Shizuoka. Green tea.	45	314.	Kioto Tea Industrial Union, Kioto. Green tea.
272.	Hara, T., Gifu. Tea.	45	315.	Kioto Tea Industry Association, Kioto. Green tea.
273.	Harayama, Y., Shizuoka. Green tea.	45	316.	Kirihara, Y., Kajoshima. Tea.
274.	Haruna, S., Okayama. Black tea.	45	317.	Kisawa, T., Gifu. Tea.
275.	Hiakuriyen, Shizuoka. Green tea.	45	318.	Kitakawa, H., Kioto. Green tea.
276.	Hiramatsu, D., Shizuoka. Green tea.	45	319.	Kitakawa, T., Kioto. Green tea.
277.	Hirose, S., Ibaraki. Leaf tobacco.	48	320.	Kosaka, S., Kioto. Green tea.
278.	Hitomi, K., Okayama. Smoking tobacco.	51	321.	Koyama, K., Kioto. Green tea.
279.	Honda, N., Tochigi. Tea.	45	322.	Kumamoto Tea Manufacturing association, Kumamoto. Tea.
280.	Honda, T., Shiga. Tea.	45	323.	Kumamura Tea Merchants, Shizuoka. Green tea.
281.	Iijima, T., Saitama. Tea.	45	324.	Kurebayashi, U., Shizuoka. Green tea.
282.	Ikagawa, B., Gifu. Tea.	45	325.	Kurumi, D., Tokushima. Leaf tobacco.
283.	Ikagawa, G., Gifu. Tea.	45	326.	Mabuchi, K., Shizuoka. Green tea.
284.	Ikeda, C., Kioto. Green tea.	45	327.	Makioka, K., Gifu. Tea.
285.	Ikeya, C., Saitama. Tea.	45	328.	Maruo, B., Shizuoka. Green tea.
286.	Imai, T., Kioto. Green tea.	45	329.	Matahira, D., Shizuoka. Green tea.
287.	Iriye, S., Kioto. Green tea.	45	330.	Matsuda, S., Nara. Green tea.
288.	Ishibashi, J., Chiba. Tea.	45	331.	Matsumoto, U., Shizuoka. Green tea.
289.	Ishikawa, I., Saitama. Tea.	45	332.	Matsumura, K., Kumamoto. a Leaf tobacco, b Cigars and cigarettes.
290.	Ishikawa, T., Tokushima. Leaf tobacco.	48	333.	Matsuo, S., Kioto. Green tea.
291.	Ito, I., Saitama. Tea.	45	334.	Matsuyama, A., Miyazaki. Black tea.
292.	Ito, K., Kioto. Green tea.	45	335.	Mayeda, S., Shizuoka. Green tea.
293.	Ito, T., Niigata. Tea.	45	336.	Mihashi, S., Shizuoka. Green tea.
294.	Iwai, K., Kioto. Green tea.	45	337.	Mikajimamura Industrial Association, Saitama. Tea.
295.	Iwakame, H., Iwate. Leaf tobacco.	48	338.	Mikura, N., Shizuoka. Green tea.
296.	Izawa, S., Tochigi. Tea.	45	339.	Miyake, R., Saitama. Tea.
297.	Kageyama, I., Shizuoka. Green tea.	45	340.	Miyazaki, Y., Shizuoka. Green tea.
298.	Kageyama, K., Shizuoka. Green tea.	45	341.	Miyazaki, B., Saga. Green tea.
299.	Kamiki, S., Saitama. Tea.	45	342.	Miyazaki, H., Saga. Green tea.
300.	Kamiuchidamura Union, Shizuoka. Green tea.	45	343.	Mori, S., Chiba. Tea.
301.	Kanaya Tea Manufacturing Association, Niigata. Tea.	45	344.	Mori, S., Nagasaki. Tea.
302.	Kanda, S., Fukuoka. Tea.	45	345.	Mori, S., Shiga. Green tea.
303.	Kano, J., Ibaraki. Leaf tobacco.	48	346.	Mori, T., Nara. Black tea.
304.	Kasaharamura Union, Shizuoka. Green tea.	45	347.	Morishita, T., Shizuoka. Green tea.
305.	Katahira, K., Shizuoka. Green tea.	45	348.	Morita, S., Ibaraki. Tea.
306.	Kato, Y., Miyazaki. Leaf tobacco.	48	349.	Moriya, Y., Shizuoka. Green tea.
307.	Katsuyama, S., Shizuoka. Green tea.	45		
308.	Kawahata, T., Saitama. Tea.	45		
309.	Kawashiri, Y., Nagasaki. Black tea.	45		

## Tea, Tobacco.

Exhibit No.	Class No.	Exhibit No.	Class No.
339. Moriyama, K., Osaka.		390. Sasaki, B., Shiga. Green tea.	45
a Smoking tobacco.	51	391. Sasano, T., Shizuoka. Green tea.	45
b Cigarettes.	52	392. Sato, K., Okayama. Leaf tobacco.	48
351. Morota, I., Shizuoka. Green tea.	45	393. Sawano, S., Shizuoka. Green tea.	45
352. Murakami Tea Manufacturing Association, Niigata. Tea.	45	394. Shida, I., Shizuoka. Green tea.	45
354. Muramatsu, B., Shizuoka. Green tea.	45	395. Shimabara, I., Fukushima. Tea	45
355. Muramatsu, K., Shizuoka. Green tea.	45	396. Shinosaki, K., Shizuoka. Green tea.	45
356. Muramasu, T., Shizuoka. Green tea.	45	397. Shirahata, K., Shizuoka. Green tea.	45
358. Murata, K., Iwate. Leaf tobacco.	48	398. Sube, Y., Shizuoka. Green tea.	45
357. Nagasawa, K., Shizuoka. Green tea.	45	399. Sugimoto, K., Shizuoka. Green tea.	45
358. Nagata, Y., Shizuoka. Green tea.	45	400. Suzuki, M., Shizuoka. Green tea.	45
359. Naito, Y., Shizuoka. Green tea.	45	401. Tagami, S., Miyasaki. Leaf tobacco.	48
360. Nakajomachi Tea Manufacturing Association, Niigata. Tea.	45	402. Tahata, I., Shizuoka. Green tea.	45
361. Nakamura, G., Shizuoka. Green tea.	45	403. Takata, I., Shizuoka. Green tea.	45
362. Nakamura, J., Tokyo. Black tea.	45	404. Takata, Y., Shizuoka. Green tea.	45
363. Nakamura, T., Shizuoka. Green tea.	45	405. Takayanagi, K., Saga. Green tea.	45
364. Nakamura, Y., Shizuoka. Green tea.	45	406. Takechi, I., Okayama. Green tea.	45
365. Nakao, S., Tokushima. Leaf tobacco.	48	407. Takeyama, N., Fukui. Green tea.	45
366. Narita, K., Toyama. Green tea.	45	408. Takusen Co, Shizuoka. Green tea.	45
367. Narita, S., Hyogo. Black tea.	45	409. Tame, H., Shizuoka. Green tea.	45
368. Nishi, I., Tokushima. Leaf tobacco.	48	410. Tanaka, K., Saitama. Tea.	45
369. Nishimura, C., Chiba. Green tea.	45	411. Tani, N., Miyasaki. Black and green tea.	45
370. Nishimura, G., Shiga. Black tea.	45	412. Tashiro, N., Kajoshima. Tea.	45
371. Nosaki, K., Kajoshima. Green tea.	45	413. Tea Improvement Association, Kioto. Green tea.	45
372. Odake, K., Shizuoka. Green tea.	45	414. Tokushima, W., Shizuoka. Green tea.	45
373. Oishi, K., Kioto. Green tea.	45	415. Tomita, R., Shizuoka. Green tea.	45
374. Oishi, S., Shizuoka. Green tea.	45	416. Tomono, T., Shizuoka. Green tea.	45
375. Okada, H., Okayama. Leaf tobacco.	48	417. Tonoi, I., Osaka.	
376. Okada, K., Nara. Green tea.	45	a Smoking tobacco.	51
377. Otani, K., Kanagawa. Tea.	45	b Cigarettes.	52
378. Ono, K., Tokushima. Leaf tobacco.	48	418. Tonooka, K., Shizuoka. Green tea.	45
379. Ono, Y., Tokushima. Leaf tobacco.	48	419. Tosa Tea Industry Association, Kochi. Tea.	45
380. Otani, N., Saitama. Tea.	45	420. Toyoizumi, S., Saitama. Tea.	45
381. Oya, K., Saitama. Tea.	45	421. Tsuji, I., Kioto. Green tea.	45
382. Oyaizu, G., Shizuoka. Green tea.	45	422. Tsuji, R., Kioto. Green tea.	45
383. Ozawa, R., Shizuoka. Green tea.	45	423. Tsujii, S., Nara. Green tea.	45
384. Ozawa, T., Saitama. Tea.	45	424. Tsukiji, M., Shizuoka. Green tea.	45
385. Saito, Y., Shizuoka. Green tea.	45	425. Tsuouka, M., Chiba. Green tea.	45
386. Sakabe, U., Kioto. Green tea.	45	426. Unno, T., Shizuoka. Green tea.	45
387. Sakamoto, M., Shizuoka. Green tea.	45	427. Uwosumi, I., Kumamoto. Cigars and cigarettes.	52
388. Saka, S., Shizuoka. Green tea.	45	428. Uyehara, K., Saitama. Tea.	45
389. Sakura Doki Co., Chiba. Green tea.	45	429. Wada, G., Shizuoka. Green tea.	45
		430. Wada, T., Shizuoka. Green tea.	45
		431. Watanabe, S., Kanagawa. Tea.	45

## Tea, Fibres, Liquors.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
432. Wantanabe, T., Nagasaki. Black tea.	45	494. Tajima, Y., Gumma. Silk cocoons.	
433. Yamada, I., Shizuoka. Green tea.	45	495. Takayama Co., Gumma. Silk cocoons.	
434. Yamamoto, C., Shizuoka. Green tea.	45	496. Takeuchi, D., Aichi. Snake g.	
435. Yamamoto, J., Kumamoto. Cigarettes.	52	497. Tamura, K., Kanagawa. Silk cocoons.	
436. Yamamoto, K., Hyogo. Green tea.	45	498. Uyema, S., Okinawa. Banana	
437. Yamamoto, K., Shizuoka. Green tea.	45	499. Yamasaki, S., Niigata. Hemp.	
438. Yamanashi, S., Shizuoka. Green tea.	45	500. Yashida, M., Gumma. Hemp.	
439. Yamasaki, K., Saitama. Tea.	45	501. Yekishin Co., Gumma. Silk cocoons.	
440. Yamashiro Tea Manufacturing Co., Kyoto. Green tea.	45		
441. Yamashita, K., Shizuoka. Green tea.	45		
442. Yanada, K., Niigata. Tea.	45		
443. Yano, R., Gifu. Tea.	45		
444. Yasukawa, K., Chiba. Tea.	45		
445. Yoshida, C., Gifu. Tea.	45		
446. Yoshida, K., Saitama. Tea.	45		

## GROUP 9.

472. Inoue, G., Tochigi. Hemp.	59	554. Abe, Y., Niigata. Saki.	
473. Ishikawa, B., Kanagawa. Silk cocoons.	61	555. Awano, Y., Osaka. Saki.	
474. Ishikawa, K., Kanagawa. Silk cocoons.	61	556. Hoshino, C., Niigata. Saki.	
475. Ito, J., Tochigi. Hemp.	59	557. Inafu, J., Aichi. Saki.	
476. Junki Co., Gumma. Silk cocoons.	61	558. Ishisaki, K., Hyogo. Saki.	
477. Kaura Silk Culture Training School, Gumma. Silk cocoons.	61	559. Itani, Y., Osaka. Saki.	
478. Katagai, S., Gumma. Silk cocoons.	61	560. Ito, D., Miye. Saki.	
479. Kioto Tekisan Association. Silk cocoons.	61	561. Ito, H., Aichi. Saki.	
480. Kosuge Association, Gumma. Silk cocoons.	61	562. Ito, S., Osaka. Vinegar.	
481. Kurokawa, D., Tochigi. Hemp.	59	563. Izumi, M., Hyogo. Saki.	
482. Meiyo Co., Gumma. Silk cocoons.	61	564. Kano, J., Hyogo. Saki.	
483. Minagishi, H., Tochigi. Hemp.	59	565. Kawaguchi, T., Niigata. Saki.	
484. Morokita, F., Okinawa. Banana	59	566. Konishi, R., Hyogo. Vinegar.	
485. Nagamura Co., Gumma. Silk cocoons.	61	567. Konishi, S., Hyogo. Saki, (a sweet kind of sake).	
486. Nagashima, M., Tochigi. Hemp.	59	568. Koyezuka, Y., Osaka. Saki.	
487. Nishikawa, K., Tochigi. Hemp.	59	569. Kusumi, S., Niigata. Saki.	
488. Nishida Co., Gumma. Silk cocoons.	61	570. Maruyama, U., Osaka. Saki.	
489. Yamamoto, J., Tochigi. Hemp.	59	571. Masuyama, K., Osaka. Saki.	
490. Yasaki, K., Niigata. Hemp.	59	572. Moriwoto, S., Osaka. Saki.	
491. Yoda, S., Hokkaido. Hemp.	59	573. Nakamura, H., Osaka. Vinegar.	
492. Yoda Co., Gumma. Silk cocoons.	61	574. Nakamura, R., Osaka. Vinegar.	
493. Yamada, I., Kanagawa. Silk cocoons.	61	575. Naruto, K., Osaka. Vinegar.	
		576. Noda Sake Brewery, Gumma. (a sweet saki.)	
		577. Okasaki, T., Hyogo. Saki.	
		578. Otsuka, S., Osaka. Saki.	
		579. Otsuka, W., Otsaka. Saki.	
		580. Saki Brewing Co., Niigata. Saki.	
		581. Sawada, S., Osaka. Saki.	
		582. Shibatani, K., Osaka. Saki.	
		583. Suga, Y., Hyogo. Mirin (a sweet saki.)	
		584. Takahashi, K., Niigata. Saki.	
		585. Takenchi, Y., Osaka. Saki.	
		586. Takeoka, T., Hyogo. Saki.	
		587. Taku, T., Hyogo. Saki.	

## GROUP 10.

527. Hasegawa, K., Hyogo. Mineral water.	
528. Marni, J., Hyogo. Mineral water.	

## GROUP 11.

554. Abe, Y., Niigata. Saki.	
555. Awano, Y., Osaka. Saki.	
556. Hoshino, C., Niigata. Saki.	
557. Inafu, J., Aichi. Saki.	
558. Ishisaki, K., Hyogo. Saki.	
559. Itani, Y., Osaka. Saki.	
560. Ito, D., Miye. Saki.	
561. Ito, H., Aichi. Saki.	
562. Ito, S., Osaka. Vinegar.	
563. Izumi, M., Hyogo. Saki.	
564. Kano, J., Hyogo. Saki.	
565. Kawaguchi, T., Niigata. Saki.	
566. Konishi, R., Hyogo. Vinegar.	
567. Konishi, S., Hyogo. Saki, (a sweet kind of sake).	
568. Koyezuka, Y., Osaka. Saki.	
569. Kusumi, S., Niigata. Saki.	
570. Maruyama, U., Osaka. Saki.	
571. Masuyama, K., Osaka. Saki.	
572. Moriwoto, S., Osaka. Saki.	
573. Nakamura, H., Osaka. Vinegar.	
574. Nakamura, R., Osaka. Vinegar.	
575. Naruto, K., Osaka. Vinegar.	
576. Noda Sake Brewery, Gumma. (a sweet saki.)	
577. Okasaki, T., Hyogo. Saki.	
578. Otsuka, S., Osaka. Saki.	
579. Otsuka, W., Otsaka. Saki.	
580. Saki Brewing Co., Niigata. Saki.	
581. Sawada, S., Osaka. Saki.	
582. Shibatani, K., Osaka. Saki.	
583. Suga, Y., Hyogo. Mirin (a sweet saki.)	
584. Takahashi, K., Niigata. Saki.	
585. Takenchi, Y., Osaka. Saki.	
586. Takeoka, T., Hyogo. Saki.	
587. Taku, T., Hyogo. Saki.	

## Liquore, Collective Exhibit.

Exhibit No.	Class'n No.
58. Taku, T., Osaka. Saki.	67
59. Tatsunuma, H., Hyogo. Saki.	67
90. Tatsunuma, T., Hyogo. Saki.	67
91. Tatsunuma, Y., Hyogo. Saki.	67
92. Terii, K., Osaka. Saki.	67
93. Tsuboya, T., Niigata. Saki.	67
94. Tsuchikawa, M., Osaka. Saki.	67
95. Wakabayashi, M., Hyogo. Saki.	67
96. Watanabe, T., Hyogo. Saki.	67
97. Watatani, R., Osaka. Saki.	67

## GROUP 12.

423. Awoki, K., Gumma. Shoyu.	72
424. Fukai, K., Chiba. Shoyu.	72
425. Homma, Y., Niigata. Shoyu.	72
426. Horibe, T., Osaka. Shoyu.	72
427. Ichihara, H., Kumamoto. Shoyu.	72
428. Ito, M., Chiba. Shoyu.	72
429. Irokawa, T., Tokyo. Shoyu.	72
(Japanese soy).	
430. Ishima, M., Miye. Shoyu.	72
431. Ito, K., Miye. Shoyu.	72
432. Kajitani, O., Chiba. Shoyu.	72
433. Kawamori, M., Osaka. Shoyu.	72
434. Kurashima, M., Ibaraki. Shoyu.	72
435. Maruo, K., Hyogo. Shoyu.	72
436. Masaya, M., Niigata. Shoyu.	72
437. Matsui, K., Hyogo. Extract of malt.	72
438. Matsunaka, N., Tokyo. Shoyu.	72
439. Mogi, F., Chiba. Shoyu.	72
440. Mogi, H., Chiba. Shoyu.	75
441. Mori, T., Niigata. Shoyu.	72
442. Noda Shoyu Factory, Gumma. Shoyu.	72
443. Okubo, H., Kumamoto. Shoyu.	72
444. Osaka Brewing Co., Osaka. Beer.	73
445. Otsuka, M., Hyogo. Shoyu.	72
446. Seki, K., Chiba. Shoyu.	72
447. Tanaka, G., Chiba. Shoyu.	72
448. Tanaka, T., Chiba. Shoyu.	72
449. Takanashi, H., Chiba. Shoyu.	72
450. Takahashi, Y., Osaka. Shoyu.	72
451. Uyeda, I., Osaka. Shoyu and rice malt.	72
452. Wakaye, R., Osaka. Shoyu.	72
453. Yagi, S., Chiba. Shoyu.	72
454. Yoshikawa, K., Niigata. Shoyu.	72

## GROUP 15.

Agricultural Bureau, Department of Agriculture and Commerce, Tokyo.

(The classification of the Japanese catalogue is here followed.)

Exhibit No.	Class'n No.
Collective exhibit. Rice and products:	
781. Saki, mirin, rice straw, glucose, rice flour, steamed and dried rice, frozen rice cake, rice stalk, straw plait, table of exports and imports, table of acreage and produce.	
782. Barley.	
783. Wheat.	
784. Barley, naked, products: Straw, straw plait, vermicelli, macaroni, beer, roast-fu.	
785. Job's tears.	
786. Soy bean, products: Shoyu, roast bean curd, frozen bean curd.	
787. Phaseolus radiatus, products: Refined flour.	
788. Catiang, products: Boiled catiang with sugar, boiled catiang in syrup.	
789. Harricot bean, products: Refined flour, boiled harricot bean with sugar.	
790. Pea, products: Preserved green pod of pisium sativum.	
791. Buckwheat, products: Frozen thread of buckwheat cake.	
792. Rape seed, products: Oil.	
793. Sesame, products: Oil.	
794. Perilla ocimoides, products: Oil.	
795. Rhus succedanea, products: Lacquer fruit, wax, candle, soap, wax paper.	
796. Hemp, products: Navy canvas, linen duck, hemp thread, specimens of hemp rope, hemp thread for fishing, hemp cloth.	
797. Boehmeria nivea.	
798. Banana fibre, products: Cloth.	
799. Paper mulberry bark.	
800. Edgeworthia papyrifera bark.	
801. Wickstramia canesceus, products: Envelope and letter paper, gfanpi paper, sukikomi paper, paper for pen writing, yakusei paper, paper-mulberry paper, gaiko paper, paper for drawing, tengujio, torinoko paper, wrapping paper, mitsumata pulp, wall paper, imitation leather.	
802. Snake gourd.	
803. Rush (Juncus communis).	
804. Rush (cyperus untians), pr'd'ts: Mat.	
805. Tobacco.	
806. Lepiota. Shiitake.	
807. Menthol crystal and peppermint oil.	
808. Chillies.	
809. Ginger.	
810. Pepper.	
811. Sweet potato.	
812. Starch.	
813. Raphanus sativas.	
814. Flour of conophallus Konjak, products: Proof paper, imitation bladder pillow cushion.	
815. Lagenaria vulgaris.	
816. Wine.	

## Miscellaneous Animal Products, Fats and Oils.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
817. Miscellaneous.		841. Kiyosuye, S., Oita. Vegetable	
818. Hangings of Japanese forage plants.		842. Kobashiri, Y., Osaka. Rape	
819. Stuffed specimens of Japanese wild birds, useful and injurious, 70 pairs.		oil.	
820. Stuffed specimens of long-tailed fowl.		843. Kobayashi, C., Niigata. Rape	
821. Stuffed specimens of Malay or Siamese fowl.		oil.	
822. Stuffed specimens of Japanese bantam, 2 pairs.		844. Kobayashi, K., Kanagawa. Peppermint oil and menthol crystal.	
823. Hangings of figures of Japanese horses, cattle and hunting pictures.		845. Kuma, N., Fukuoka. Rape seed	
824. Bees and bee appliances.		846. Kuroda, K., Ehime. Vegetable	
GROUP 17.		847. Masuda, Y., Kumamoto. Camellia	
825. Doi, K., Osaka. Bleached glue.	90	oil.	
826. Shibata, B., Osaka. Bleached glue.	90	848. Matsuda, E., Shiga. Rape seed	
GROUP 18.		849. Matsushima, I., Nagasaki. Camellia	
828. Aiga, Y., Kumamoto. Vegetable		oil.	
wax.	97	850. Mori, K., Shiga. Rape seed.	
829. Fukuda, H., Ibaraki. Sesame oil.	95	851. Morimoto, G., Shiga. Rape seed	
830. Haga, Y., Ehime. Vegetable wax.	97	852. Nakamura, G., Osaka. Vegetable	
831. Haraoka, S., Saga. Vegetable wax.	97	wax.	
832. Hodono, M., Ehime. Vegetable wax.	97	853. Nanaki, K., Oita. Vegetable	
833. Ikenaga, S., Osaka. Rape seed oil.	95	854. Nishimura, M., Saga. Vegetable	
834. Inagaki, S., Toyama. Camellia and		wax.	
rape seed oils.	95	855. Ogawa, G., Toyama. Sesame oil.	
835. Inumaru, I., Saga. Vegetable wax.	97	856. Okuda, H., Gifu. Rape seed oil.	
836. Isobe, C., Shiga. Rape seed.	95	857. Tamiya, T., Ibaraki. Rape	
837. Kawachi, T., Hyogo. Vegetable		oil.	
wax.	97	858. Tanisawa, R., Osaka. Painted	
838. Kida M., Osaka. Vegetable wax.	97	dyes.	
839. Kitabaru, T., Saga. Vegetable wax.	97	859. Tsujimoto, M., Osaka. Cotton	
840. Kitaura, T., Osaka. Rape seed.	95	oil.	
		860. Tsukushi, S., Osaka. Vegetable	
		wax.	
		861. Tukuda, K., Osaka. Vegetable	
		862. Uyeda, K., Kumamoto. Camellia	
		oil.	
		863. Yokkaichi Oil Factory, Miye. Rape	
		seed oil.	
		864. Yoshii Wax Manufacturing	
		pany, Fukuoka. Vegetable wax.	

## LIBERIA.

LOCATION--SEC. B.--N. W. QUARTER.

## Collective Exhibit.

Collective Exhibit of Products of the  
Country, Native Implements,  
Arms, Etc.

## Exhibit

No.

1. **Barline Tribe.** Baskets; hats; dip net; cooking pot.2. **Bassa Tribe.** Piassava cap; jacko skin; raccoon skin.3. **Boatswain Tribe.** Fishing lines and king jars: blue and white double country cloths; charm armlets; war collar; war caps; iron hand fetish; fifes; snuff gourd; grass hats; powder horns; open-work grass Hammocks; horns (musical instruments); native staffs.4. **Congo Tribe.** Crawlfish baskets; bambo mat.5. **Dey Tribe.** Wooden bowl; canoe paddles; charms; bows and arrows; strainer for palm butter; bamboo fish basket; grass basket; wooden bowl with handle; bowls; fish cover; dipper; devil's robe dress; devil's head; devil's faces with cloth to be attached; skin porcupine fan; native fetish; powder flasks; dipper gourd; powder; gourd; palm oil calabash gourds; white gown; draft board (games); Poo board (games); wooden idol; wooden table; mortars; small wooden spoons; carved stool for kings (whismore); large rice spoons; large soup spoons; eating spoons; wooden sandals; rattan pot stand.6. **Gedibo Tribe.** Rouge bag; bell; war cap; poo boards (games); carved calabash gourd; large native nouse (model); horn; hammock; cocoa mat; grass war skirts.7. **Golah Tribe.** War collar; musical instruments; country chalk; adzes; blacksmith's bellows; rouge bag; war collars; country smoking cap; copper necklace with double charms; canoes; blacksmith's hammer; chief's hat; circular knife; ring knives; large wooden spoons; double wooden spoon.8. **Kroo Tribe.** Canoe.9. **Liberia.** Arrow-roots; skins of native animals; palm and other oils; ropes; resin; medicinal plants; palmsoap; casada (cane seeds); cane sugar and syrup; rice; pepper; orchids; cocoa and other nuts;

## Exhibit

No.

native dyes; coffee; corn; cotton; personal adornments; specimens of currency; spoons, silver keys and jewelry; quills, quivers and arrows; postage stamps; hippopotamus bones and skins; photographs; medals; hammer; coins; chairs; law books and books of the koran; bricks; minerals; castor oil beans; kaffee seed; india rubber; ginger; assorted fibres; cocoa.

10. **Liberia College.** Ferns.11. **Liberia Tribe.** Gum arabic; arrow-root; calabar beans; snake bones; birds; coffee; cotton; cocoa; corn; Americo-Liberian chairs; coffee; drum red ripe coffee eeries; box crystals; coffee; red ochre (dyes); indelible blue (dye); yellow dye barks; fibre; fibre (bamboo); fibre (manila or plantain); fibre (beach); fibre (bamboo); fibre (piassava); animal heads; birds' heads; bush cow horn; hippopotamus liberiensis (mounted); hippopotamus teeth; little deer horns; bush cow horns; deer, antelope and elk horns; hippopotamus tusk; sugar cane hats; iron ores; ivory; ivory scrap; palm kernels; paper knife; money and paper currency, postage stamps, postal cards and stamped envelopes; newspaper, "The Observer," "Gazette," triple nests; swinging nests; nests; palm oil; orchid bulbs; orchids; palm and nut oils; pure palm oil from Cape Palmas; photographs; peas, ground; porcupine quills; quartz; resin; model of Liberian house; rubber; rice; deer, leopard and other wild animal skins; coffee, kola, benne and other seeds; walking sticks; saw fish teeth; native woods; greasy peach wood; camwood; surveys of Monrovia and Clay Ashland.12. **Mandingoe Tribe.** Axes; bill books; wooden bowl; rattan baskets; grass bags; strainers; slates, spears and arrows; tidies; leather girdles; mortar and pestles; war shield; stool, shoes and sandals; king's staffs; swords, spears; mats; native loom; elephants' tusks; ink stands; earthenware; collections of daggers and charms; slave cloths; caps; worship heads; skin covered bottle; bows and arrows; skin pouches;

## Collective Exhibit.

Exhibit  
No.

leather bags; benen seeds; bamboos; iron bracelet; brass bracelets; copper bracelets; leather and skin bags; basket; earthen bottle and holder; ~~water bottle~~; leather bags; rattan baskets; leather snuff-box; country belts; book bag; fancy bag; leather bag; leathered-covered bottles; plain blue and white country cloths, double; striped country cloths, double; black grass warrior cap; war cap; charms; needle cases; Niger country cloths; native war cap; native war collar; leather charms; gourd dippers; dirks, daggers, spears, swords, knives, etc.; country fiddle; set snuff fixtures; worked gown; talismanic war gown; leather and skin girdles; powder gourd; girdle; hat; hammers; snuff horn; country harps; grass hat; long horns; bars pig iron; inkstands; earthenware inkstands; carved wooden inkstand; loom; Popora map; mats; necklaces; needlecase; blacksmith's pincers; fancy skin pouches; pots; pens; country pots; cooking pot; earthenware pots; bamboo rattle for child; rattan quiver for arrows; slave rope; reading matter - "Karan," "Makamat Al Harini," "Al Fala," "Al Salama," "Arabie Manuscript;" wooden sandals; used sheathed swords of different patterns; fancy native sticks; country slates; sandals; king's stool; sardals; country tureens; worship beads; whips.

13. **Pesseh Tribe.** Grass; bags; razors; powder gourds; flutes; snuff horns; war cap; cutter; calaba beans; open-mouthed grass bags; grass hand bags; baskets; open-mouthed bags; grass bags; copper bracelets; small bag; cloths; brass chain; dart; fanners; fans; fish lines; blue and White gown; poo boards (games); common country gown; bill hooks; hoe; king jars; knives; loom and attachment; peth mat; bamboo mats; boro ropes; rings; palm rings; native swords; gun shield; strainers.

14. **Queah Tribe.** Rosewood canoe; bamboo chair; small canoes of different woods; small paddles of different woods; bamboo chair; poo board (game); king's stool; bamboo triple stool for king's use; bamboo trunks; rattan trunks.

15. **Vey Tribe.** Hats; carved head; hammocks; fishing nets; axes; rouge bags; grass fish bag; bow and arrow; broom; fish basket; silver, copper and brass bracelets; grass basket; worked double country cloth; white country cloths; blue

Exhibit  
No.

country cloth; grass caps; caps; grass cover; embroidered cap; silver chain; copper breast charm and chain; devil's head and fanners for back; devil's head and fanners for head; fish nets; blue yellow gown; embroidered gowns; gree-gree women's head-dresses; gree-gree horns; embroidered gown; poo board (game); native gree-gree chalk; grass cotton; gree-gree charms; closely-worked grass hammock; grass hats; yarn hammock; ivory snuff horn; cloth hammock; silver keys; sherbro mats; silver necklace; silver necklace charm; dip net; white shawl; worked shawl; white scarfs; native scarfs; leopard's tooth and teeth; grass whips.

16. **Artis, J. P.** Minerals; manuscript "Customs and Habits of the Native Manuscripts, "Character Sketches of Fathers of Liberia."

17. **Brown, C. C.** Minerals.

18. **De Coursey, M. T.** Iron ore.

19. Water color painting.

20. **Dennis, W. C.** Large country cloth.

21. **Deputie, J. H.** Stone idol.

22. **Gorrawamah.** Model of Librarian's boat.

23. **Green, Miss.** Worked book marks.

24. **Herring, S. S.** Palm soap.

25. **King, A. B.** Idols; ivory; head; brass bracelets; books of the Koran; chairs.

26. **King, C. T. O.** Bundle beach fib.

27. **Kroo.** Canoe; pang, warrior's knife.

28. **Meiter Syndicate.** Rubber.

29. **Payne, B. Y.** Alligator skin; Alligator head; piassava sticks in the ro; leopard skins.

30. **Ricks, J. H.** Medicinal plants.

31. **Ricks, M. A.** Raised work; embroidered satin quilt, representing a cotton tree in full bloom.

32. **Saetter, E. A.** Pair worked slippers.

33. **Talte, T. I.** Soap.

34. **Valentine, M. K. P.** Model of George's house; writing and printing in Gedebo gree-grees; war drum; war horn; cooking utensils; leather charms.

35. **Valentine, M. P.** Gedebo swivel; king's stool; charm; king's van—cow Gedibo writing.

36. **Washington, J. S.** Minerals.

37. **Wheaton, George.** Planking.

38. **White, Richard.** Quilt.

39. **Witherspoon, H. H.** Old iron native grave.

## MEXICO.

## LOCATION—SEC. B.—N. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class No.
1. Abascal, Manuel, Hermosillo, Sonora.	1
Wheat.	
2. Acedo, Angel, Queretaro.	
a Wheat.	1
b Corn.	2
3. Agüeros, Eduardo, Cuyoaco, Puebla.	
Barley.	4
4. Aguirre, Juan I., Ciudad Gonzalez, Guanajuato.	
a Wheat.	1
b Corn.	2
c Barley.	4
5. Aldave, Susana, Ixtres, Puebla.	
Barley.	4
6. Alegria, Severo, Cuyoaco, Puebla.	
Barley.	4
7. Alvarez, Antonio, Tula, Hidalgo.	
a Wheat.	1
b Corn.	2
8. Amcalco, Municipal Prefect, Queretaro.	
a Wheat.	1
b Corn.	2
c Barley.	4
9. Amieva, Fernando, Cuyoaco, Puebla.	
Barley.	4
10. Angerstein, Ernesto, Hacienda de San Augustin, Chihuahua.	
Flour.	11
11. Avalos, Ignacio, Atlitxco, Puebla.	
Flour.	11
12. Avila, Ramon Durango, Durango.	
Corn.	2
13. Axtla, Political Authority, San Luis Potosi. Rice.	6
14. Ayala, Francisco, Rancho de los Amargos, Coahuila, Coahuila.	
Corn.	2
15. Barrientos, Vicente, Tepeyahualco, Puebla.	
Barley.	4
16. Batiz, Jose, Tehuacan, Puebla.	
Corn.	2
17. Bantista, F. y Sanchez M., Tecali, Puebla.	
a Wheat.	1
b Barley.	4
18. Bermejillo, José Maria, Molino del Salto, Jalisco.	
Flour.	11
19. Bobadilla, Jose, Hacienda de Tamalagua, Jalisco.	
Corn.	2

Exhibit No.	Class No.
20. Bonilla, Fernando, Cuyaco, Puebla.	
Barley.	4
21. Borbolla, Dario O., Chalchicomula, Puebla.	
Corn.	2
22. Bravo, Luis G., Tecamachalco, Puebla.	
Barley.	4
23. Cabazos, Jesus M., Allende, Nuevo Leon.	
Corn.	2
24. Cabrera, Florencio, Hacienda de San Nicolas, Guanajuato.	
Corn.	2
25. Cajica, Manuel, Tepeyahualco, Puebla.	
Barley.	4
26. Campeche, Political Authority, Campeche.	
Forage hay.	2
27. Canedo, Jesus O., Hacienda de La Esperanza, Jalisco.	
a Wheat.	1
b Corn.	2
28. Cañedo, Jose I., Hacienda de San Antonio, Jalisco.	
Corn.	2
29. Canovas, Hija de, San Francisco del Rincon, Guanajuato.	
Corn.	2
30. Carral, Angel, Cordoba, Vera Cruz.	
Corn.	2
31. Carrion, Jose Jesus, Tepeyahualco, Puebla.	
Barley.	4
32. Castro, Carlos, Cuyoaco, Puebla.	
Barley.	4
33. Cedillo, Marcial, Tehuacan, Puebla.	
Corn.	2
34. Cervantes, Amado, Tepeyahualco, Puebla.	
Barley.	4
35. Chiapas, Government of the State of, Tuxtla, Chiapas.	
Corn.	2
36. Cortes, Luis G., Galeana, Nuevo Leon.	
Wheat.	1
37. Cosio Haos., Queretaro.	
a Wheat.	1
b Corn.	2
38. Cosio, Jose de, Queretaro.	
a Corn.	2
b Flour and bran.	11
39. Couttolenne, Antonio, Tecamachalco, Puebla.	
Wheat.	1
40. Couttolenne, Octaviano, Chalchicomula, Puebla.	
Corn.	2
41. Covarrubias, Aniceto, Jiquilpan, Jalisco.	
Flour.	11

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.
42. Cuesta, Manuel, Hacienda de Atequiza, Jalisco.	
<i>a</i> Corn.	2
<i>b</i> Flour.	11
43. Daniel, Antonio, Cholula, Puebla.	
Corn.	2
44. Diego, Bernado, Tehuacan, Puebla.	
Wheat.	1
45. Duen, Francisco, Tulancingo, Hidalgo.	
Wheat.	1
46. Duran, Miguel G., Cuyoaco, Puebla.	
Barley.	4
47. Echeverria, Antonio, Mexico, Dist. Federal.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
48. Estrada, Dolores, Tenancingo, México.	
Corn.	2
49. Farias Hnos., Hacienda de Bocas, San Luis Potosi.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Barley.	4
50. Fernandez, Silverio, Oaxaca.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
51. Flores, Juan M., Durango.	Corn. 2
52. Flores, Mariano, San Juan Grande, Jalisco.	Corn. 2
53. Flores, Molino de, Texcoco, Mexico.	
Flour.	11
54. Flores, Rafael, Tepeyahualco, Puebla.	
Barley.	4
55. Flores, Trinidad, Tehuacan, Puebla.	
Corn.	2
56. Fonseca, German, Atotonilco, Jalisco.	
Flour.	11
57. Galicia, Antonio, Tehuacan, Puebla.	
Wheat.	1
58. Galindez, Daniel, La Barca, Michoacan.	Wheat. 1
59. Gallardo, Francisco R., Mexico, Dist. Federal.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Barley.	4
60. Garcia, Mannel, Cuyoaco, Puebla.	
Barley.	4
61. Garcia, Martin, Tulancingo, Hidalgo.	
Flour.	11
62. Gomez del Palacio, Francisco, Durango.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
63. Gonzalez, Carlos, Hacienda de la Concha, Matamoros, Coahuila.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2

Exhibit No.	Class'n No.
64. Gonzalez, Daniel, Tehuacan, Puebla.	
<i>a</i> Wheat.	
<i>b</i> Corn.	
65. Gonzalez, J. de J., Canada de Negro, Guanajuato.	Corn.
66. Gonzalez, Lic. Jose G., Hacienda Techague, Jalisco.	Corn.
67. Gonzalez, Moises R., Valle de Santiago, Guanajuato.	Wheat.
68. Gonzalez, Rosendo E., Villa de San Antonio, Jalisco.	Wheat.
69. Gonzalez, V., Tekax, Yucatan.	Corn.
70. Gordo, Pablo, Hacienda de Villanueva, San Luis Potosi.	
<i>a</i> Wheat.	
<i>b</i> Corn.	
71. Graf, Santiago, Toluca, Mexico.	
<i>a</i> Wheat.	
<i>b</i> Corn.	
<i>c</i> Oats.	
<i>d</i> Barley.	
<i>e</i> Rye.	
<i>f</i> Bran.	
72. Grajales, Mariano, Morelos, Tlaxcala.	
<i>a</i> Wheat.	
<i>b</i> Corn.	
73. Guerrero, Government of the State of Chilpancingo, Guerrero.	
<i>a</i> Corn.	
<i>b</i> Barley.	
<i>c</i> Rice.	
<i>d</i> Pinole (flour made of parched Indian corn and sweetened with sugar).	
74. Guimaro, Acisclo, Valle de Santiago, Guanajuato.	Wheat.
75. Hacienda de Tapizalco, Tenancingo, Mexico.	Wheat.
76. Harivel, Arturo L., Colima, Colima.	
<i>a</i> Corn.	
<i>b</i> Rice.	
77. Hermoso, Jose de J., Libres, Puebla.	Barley.
78. Hidalgo, Government of the State of Pachuca, Hidalgo.	
<i>a</i> Corn.	
<i>b</i> Barley.	
79. Hoil, Jacinto, Yucatan, Valladolid.	Corn.
80. Huerta, Antonio, Libres, Puebla.	Barley.
81. Huerta, Felix, Atlixco, Puebla.	Corn.
82. Inorosa, Andres, Zinapetuario, Michoacan.	Flour and bran.
83. Ipina, J. E., Hacienda de Blendon, San Luis Potosi.	
<i>a</i> Corn.	
<i>b</i> Rice.	

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
84. Irigoyen, Ignacio, Las Delicias, Chihuahua.		104. Martinez, Antonio, Zongolica, Vera Cruz. Corn.	2
a Wheat.	1	105. Martinez, Manuel, Tepeyahualco, Puebla. Barley.	4
b Corn.	2	106. Martinez, Ramon, Mexico, Dist. Federal.	
c Flour.	11	a Wheat.	1
85. Irigoyen, Juan, Tacubaya, Dist. Federal.		b Corn.	2
a Wheat.	1	107. Maurer, Emilio, Atlixco, Puebla.	
b Flour.	11	a Wheat.	1
86. Iturbe, Felipe, Mexico, Dist. Federal.		b Flour.	11
a Wheat.	1	108. Medina, Vidal, Tecamachalco, Puebla. Flour.	11
b Corn.	2	109. Mendez, Pedro, Villa de Palos, Coahuila. Wheat.	1
87. Izquierdo, Manuel G., Libres, Puebla. Barley.	4	110. Mexico, Government of the State of, Toluca, Mexico.	
88. Jacot, Alejandro, Temascaltepec, Mexico. Flour.	11	a Wheat.	1
89. Jalisco, Government of the State of, Guadalajara, Jalisco.		b Corn.	2
a Wheat.	1	c Oats.	2
b Corn.	2	d Barley.	4
c Flour.	11	e Flour, and bran.	11
90. Jesus Maria, Political Authority, Jalisco. Barley.	4	111. Mexico, Government of the Federal District.	
91. Jones, Ricardo L., Hacienda de La Venta del Astillero, Jalisco. Corn.	2	a Corn.	2
92. "La Alianza", Compania Anonima Limitada, Torreon, Coahuila. Flour.	11	b Barley.	4
93. La Paz, Political Authority, Baja California. Flour and bran.	11	112. Michaux, Salvador, Mexico, Dist. Federal.	
94. Lara, Fernando M. de, Pozo del Carmen, Axtla, San Luis Potosi. Corn.	2	a Wheat.	1
95. Leblanc, Alejandro, Atlixco, Puebla. Flour.	11	b Corn.	2
96. Legorreta, Antonio, Queretaro.		113. Michaux, Testamentaria de J., Mexico, Dist. Federal. Corn.	2
a Wheat.	1	114. Michoacan, Government of the State of, Morelia, Michoacan.	
b Corn.	2	a Wheat.	1
97. Legorreta, Luis, Queretaro.		b Corn.	2
a Corn.	2	c Oats.	3
b Barley.	4	d Barley.	4
98. Llaça, Matilde C. de, Queretaro.		e Rice.	6
a Wheat.	1	f Hay of various kinds.	8
b Corn.	2	g Clover.	9
99. Loyola, Bernabe, Queretaro. Wheat.	1	h Flours and bran.	11
100. Loyola, Pedro, Ledsna, Jalisco.		115. Morelos, Government of the State of, Cuernavaca, Morelos.	
a Wheat.	1	a Corn.	2
b Corn.	2	b Barley.	4
101. Machorro, Sixto, San Juan Tlacomulco, Puebla.		c Rice.	6
a Wheat.	1	116. Mier, Sebastian B., Santiago Tlachi- chuca, Puebla. Corn.	2
b Barley.	4	117. Miquira, Francisco, Queretaro.	
c Rye.	5	Wheat.	1
102. Magdaleno, Candido, Mexico, Dist. Federal.		118. Miranda, Teodoro, Casas Grandes Chihuahua. Corn.	2
a Wheat.	1	119. Molino de, "La Estrella," Hermo- sillo, Sonora. Flour.	11
b Corn.	2	120. Morales, Jesus M., Saltillo, Coahuila. Wheat.	1
103. Manzanoy Cia, Hacienda del Jazmin, Jalisco. Flour.	11	121. Moreno, Alberto, Tulancingo, Hi- dalgo. Corn.	2

## Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.
122. Muñoz, José María, Galeana, Nuevo Leon. Barley.	4
123. Oaxaca, Government of the State of.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Barley.	4
<i>d</i> Rice.	6
<i>e</i> Clover seed.	9
124. Olvera, Rafael, Tulancingo, Hidalgo.	
<i>a</i> Corn.	2
<i>b</i> Barley.	4
125. Ortiz, Eugenio, Ciudad Victoria, Tamaulipas. Rice.	6
126. Osorno, Manuel, Libres, Puebla. Barley.	4
127. Pasos, Eustaquio, Cordoba, Vera Cruz. Rice.	6
128. Patino, Gregorio, Morelia, Michoacan. Corn.	2
129. Peña, Hnos., F. de la, Molino de Joya, Jalisco. Flour.	11
130. Pena Lic., Manuel de la, Tequisquiapan, Queretaro.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
131. Pena, Luis de la, Tequisquiapan, Queretaro. Clover seed.	9
132. Pena, Praxedis de la, Villa Lerdo, Durango. Corn.	2
133. Pérez, Sabino, Tecamachalco, Puebla. Flour.	11
134. Philognostical Society, Villa Lerdo, Durango.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Siamori corn.	7
<i>d</i> Flour.	11
135. Pliego, Luis G., Jajalpa, Mexico.	
<i>a</i> Corn.	2
<i>b</i> Flour.	11
136. Porras, Manuel, Libres, Puebla. Barley.	4
137. Porras, Pablo J., Hacienda de Agua Nueva, Chihuahua. Wheat.	1
138. Posada, Tomas, Metztlitan, Hidalgo. Corn.	2
139. Puebla, Government of the State of.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Barley.	4
<i>d</i> Rye.	5
<i>e</i> Rice.	6
<i>f</i> Hay and straw.	8
<i>g</i> Clover seed.	9
<i>h</i> Flour.	11
140. Purification, Political Authority. Jalisco. Rice.	6
141. Rague, Felix, Saltillo, Coahuila. Barley.	6

Exhibit No.	Class'n No.
142. Ramirez, Viuda de, Ocotepec, Puebla. Barley.	4
143. Remus, Sritas, Hacienda del Pl. Jalisco. Corn.	
144. Reyes, Juventino, Libres, Puebla. Barley.	
145. Rios, Sra. Tecla A. de, Hacienda Santa Cruz, Jalisco.	
<i>a</i> Wheat.	
<i>b</i> Corn.	
146. Riquelmes, Agustin, Alijozca, Chicomula, Puebla. Corn.	
147. Rivas, Gomez F., Tepic. Rice.	
148. Rivera, Trinidad, Queretaro.	
<i>a</i> Wheat.	
<i>b</i> Corn.	
149. Rivero, Valentin, Monterrey, Nuevo Leon. Flour.	
150. Rodriguez, Damaso, Saltillo, Coahuila. Flour.	
151. Ruiz, V., Santiago-Tlachichilco, Puebla. Corn.	
152. Salazar, Francisco, Galeana, Nuevo Leon.	
<i>a</i> Wheat.	
<i>b</i> Flour.	
153. Sanchez, Ignacio, Tehuacan, Puebla. Barley.	
154. Sanchez, Inocencio, Tehuacan, Puebla.	
<i>a</i> Wheat.	
<i>b</i> Corn.	
<i>c</i> Flour.	
155. Saravia, G. Alberto, Hacienda Atotonilco, Cuencame, Durango. Corn.	
156. Schaffini, Carmen, Tepeyahualco, Puebla. Barley.	
157. Seron, Miguel A., Tepeyahualco, Puebla. Barley.	
158. Serrano, Cristobal, Ixmiquilpan, Hidalgo. Corn.	
159. Sobreira, Jesus, Zinapécuaro, Mexico. Wheat.	
160. Sobrino, Miguel, Mexico, Federal. Flour.	
161. Sociedad Anonima Molinos de Fenix, Saltillo, Coahuila. Flour bran.	
162. Sonora, Government of the state. Hermosillo, Sonora.	
<i>a</i> Wheat.	
<i>b</i> Flour.	
163. Tapia, Miguel, Hermosillo, Sonora. Corn.	
164. Tec, Manuel, Valladolid, Yucatan. Corn.	
165. Tepic, Political Authority. Coahuila. Corn.	

Cereals, Pastes, Sugars.

Exhibit No.	Class'n No.	
166.		TLaxcala, Government of the State of.
a	2	Corn.
b	4	Barley.
167.		Torres, Hnos., Nazas, Durango.
a	1	Wheat.
b	2	Corn.
c	4	Barley.
168.		Torres, Porfirio, Arandas, Jalisco.
a	1	Wheat.
b	2	Corn.
169.		Traslosheros, Jose M., Acajete, Puebla.
a	1	Wheat.
b	2	Corn.
c	4	Barley.
170.		Urquiza, Francisco, Queretaro.
a	2	Corn.
b	11	Flour and bran.
171.		Valdivia, Diodoro G., Hacienda del Comedero, Jalisco. Corn.
172.		Valdivia, Francisco G., Hacienda El Molino, Jalisco.
a	1	Wheat.
b	2	Corn.
173.		Valencia, Felipe (h.), Almacapan, Jalisco. Wheat.
174.		Valenzuela, Placido, Hermosillo, Sonora. Corn.
175.		Valle, Manuel Fernandez del, Guadalajara, Jalisco. Rice.
176.		Varela, Miguel, Metztitlan, Hidalgo. Corn.
177.		Velasco, Juan, Hacienda de Santa Ana, Guanajuato. Corn.
178.		Vera Cruz, Government of the state of, Jalapa, Vera Cruz.
a	2	Corn.
b	4	Barley.
c	6	Rice.
179.		Viveros, Jose, Tehuacan, Puebla. Barley.
180.		Woods, C. B., Monterrey, Nuevo Leon. Flour.

GROUP 2.

181.		Canto, Leonardo, Texax, Yucatan. Sago starch.
182.		Compania Industrial Manufacturera, Mexico, Dist. Federal. Starch.
183.		Cuevas, Juan H., Guadalajara, Jalisco. Starch.
184.		Flores, Jesus M., Guadalajara, Jalisco. Chinchayote sago.
185.		Galvez y Estrada, Coatepec, Vera Cruz. Starch.
186.		Garcia, Martin, Tulancingo, Hidalgo. Flour pastes.
187.		Goerrero, Government of the State of, Chilpancingo, Guerrero. Totopa (biscuit made of Indian corn).

Exhibit No.	Class'n No.	
188.		Guillen, Anastasio, Ocotlan, Jalisco. Starch.
189.		Jalisco, Government of the State of, Guadalajara, Jalisco. Starch.
190.		Lopez, Bates Santiago, Tizimin, Yucatan. Starch of manive and of sago.
191.		Mendez, Hilario, Campeche. Chac sago.
192.		Michoacan, Government of the State of, Morelia, Michoacan.
a	15	Italian pastes.
b	16	Starch and sago.
194.		Moreno Sra. Dolores, Queretaro. Crackers.
195.		Oaxaca, Government of the State of, Amilico, Oaxaca. Starch.
196.		Porras, Sabino, Tecamachalco, Puebla. Lady fingers.
197.		Puebla, Government of the State of.
a	15	Italian pastes.
b	16	Starches and potato sago.
199.		Rivero, Valentin, Monterrey, Nuevo Leon. Starch.
200.		Ruelas, Francisco, Autlan, Jalisco. Crackers (Galleta).
201.		Ruiz de Santiago, B., Chalchicomula, Puebla. Starch.
202.		Trejo, Guadalupe, Cordoba, Vera Cruz. Starch.
203.		Santos y Comp. Gil Jose, Guadalajara, Jalisco. Vermicelli.
204.		Sobrin, Miguel, Mexico, Dist.
a	16	Starch.
b	15	Italian pastry.
206.		Vera Cruz, Government of the State of, Jalapa, Vera Cruz. Starch and cassava.
207.		Vidal, Medina, Tecamachalco, Puebla. Crackers.

GROUP 3.

208.		Alcalde to de Sabinas, Sabinas, Nuevo Leon. Sugar.
209.		Alonso, Vicate, Cuernavaca, Morelos. Sugar.
210.		Arias de Rios, Sra. Tecola, Hacienda de Sta. Cruz Ahualulco, Jalisco. Sugar, raw and refined.
211.		Araoz, Joaquin J., Acamilpa, Morelos. Sugar.
212.		Arena, Alejandro, Cuernavaca, Morelos. Sugar.
213.		Barros, Forbes y Ca., Hacienda de Puga, Tepic. Sugar.
214.		Basave, Carlos, Ahnisculco, Jalisco. sugar.
215.		Barron, Forbes y Comp., Cuernavaca, Morelos. Sugar.
216.		Basterrechea, Hnos. Tacambaro, Michoacan. Sugar.

## Sugars, Syrups, Etc.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
217. Beistegui y Comp., Cuernavaca, Morelos. Sugar.	18	245. Maiz, Pedro y Comp., Monte Nuevo Leon. Moscovado and b sugar.	
218. Berron, Eduardo, Campeche. Sugar.	18	246. Marin y Castillo, Tekax, Yucatan. Sugar.	
219. Blapco, Mannel, Orizaba, Vera Cruz. Sugar.	18	247. Mendoza, Cortina Testamentar Cuernavaca, Morelos. Sugar.	
220. Cabrera, Octavio B., Villa Reyes, San Luis Potosi. Agave honey and agave juice, concentrated.	25	248. Mexico, Government of the State of Toluca, Mexico.	
221. Canto, Leonardo, Isla Mujeres, Yucatan. Molasses.	18	a Sugar cane.	
222. Cervantes, Rafael, Bustamante, Nuevo Leon. Sugar.	18	b Sugar, raw and refined, and molasses.	
223. Chiapas, government of the state of, Tuxtla Gutierrez, Chiapas. Sugar.	18	c Agave honey.	
224. Corcuera, Manuel, Estipac, Jalisco. Sugar.	18	d Confectionery.	
225. Donde, Salvador P., Campeche. Sugar.	18	249. Michoacan, Government of the State of, Morelia, Michoacan.	
226. Duarte Hnos., Tekax, Yucatan. Sugar.	18	a Sugar cane.	
227. Elizondo, Felix, Monterrey, Nuevo Leon. Sugar.	18	b Sugar and sugar crust.	
228. Elortegui, Miguel, Hacienda "Loma Delgada," Jalisco. Sugar.	18	c Bees' honey.	
229. Escandon Hnos., Cuernavaca, Morelos. Sugar.	18	250. Monteleone, Duque de, Cuernavaca, Morelos. Sugar.	
230. Etzatlan, Political Authority, Jalisco. Castillian honey.	26	251. Morelos, Government of the State of, Cuernavaca, Morelos. Sugar.	
232. Farrera, Ciro, Tuxtla Gutierrez, Chiapas. Sugar.	18	252. Nicoli, R., Tekax, Yucatan. Sugar.	
233. Galera de Sanz, Luisa, Campeche. Sugar.	18	253. Oaxaca, Government of the State of, Oaxaca, Oaxaca.	
234. Gonzalez, Daniel, y Comp, Jalisco. Raw sugar.	18	a Sugar, raw and refined.	
235. Gorozpe, Jose M., Jalapa, Vera Cruz. Sugar.	18	b Bees' honey.	
236. Guerra, Toriello, Cuernavaca, Morelos. Sugar.	18	254. Ochoa, Daniel, Hacienda de Marcos, Jalisco. Sugar.	
237. Hacienda de Cuantengo, Otumba, Puebla. Agave honey (miel de maquey).	25	255. Ochoa, Srita, Cruz, Colima. Sugar.	
238. Hacienda de Raboso, Puebla. Sugar cane.	17	256. Pacheco Heirs, Cordova, Vera Cruz. Sugar.	
239. Hernandez, Benito, Zacualtipan, Hidalgo. Honey comb.	26	257. Pardo, Emilio e hijo, Cordova, Cruz. Sugar and moscaboda.	
240. Huerta, Felix, Atlitxco, Puebla. Sugar, raw and refined.	18	258. Pasquel, Guillermo, Jalapa, Cruz. Sugar.	
241. Jalisco, Government of the State of, Guadalajara, Jalisco. Sugar.	18	259. Peña, Epigmenio de la, Hacienda de la Labor, Jalisco. Sugar, raw, (piloncillo) paso.	
242. Jesus Maria, Political Authority, Jalisco. Castillian honey.	26	260. Peniche, E., Espita, Yucatan. Sugar.	
242a. "La Escondida," Tepic. Sugar, raw and refined.	18	261. Peniche, A., Tizimin, Yucatan. Sugar.	
243. Lartigue, Aurelio, Monterrey, Nuevo Leon. Sugar.	18	262. Perdones, Leopoldo, Ciudad del Mexico, San Luis Potosi. Sugar, granulated and refined.	
244. Lezama, Refugio, Acatlan, Jalisco. Brown sugar.	18	263. Petrona, Ramirez, Tekax, Yucatan. Bees' honey.	
		264. Ponce de Leon, Guillermo, A., Toluca, Mexico. Sugar crust, (panoche).	
		265. Portillo y Gomez Ramon, Cuernavaca, Morelos. Sugar.	
		266. Puebla, Government of the State of, Puebla, Puebla.	
		a Sugar cane.	
		b Sugar, raw and refined.	
		c Bees, honey and honey comb.	
		267. Quintero, Jose M., Morelos. Sugar.	

## Sugars, Root Crops.

Exhibit No.	Class'n No.
26. Raboso, Hacienda de, Puebla.	
Sugar, raw and refined, and sugar cane syrup.	18
26. Redo y Comp., Cuñacan, Sinaloa.	
Sugar.	18
27. Remus, Sritas, Hacienda de Bellavista, Jalisco. Sugar.	18
27. Reyna, Crescencio, Cuernavaca, Morelos. Sugar.	18
27. Rovalo, Testamentaria de, Cuernavaca, Morelos. Sugar.	18
27. Salazar, Anselmo, Alkende, Nuevo Leon. Molasses.	18
27. Soberon, Cecilio, Zitacuaro, Michoacan. Brown sugar.	18
27. Tabasco, Government of the State of, San Juan Bautista, Tabasco. Bees' honey.	26
27. Tecolotlan, Political Authority of, Jalisco. Raw sugar.	18
27. Tellez, Miguel, Otumba, Puebla. Agave honey (miel de maquey).	25
27. Tepic, Political Authority. Bees' honey.	26
27. Traslaseros, Jose M., Acajete, Puebla. Box hive.	26
28. Trevino, Santiago, Santiago, Nuevo Leon. Sugar.	18
28. Vera Cruz, Government of the State of, Jalapa, Vera Cruz. Sugar and Molasses.	18
28. Verastegui, Pablo, San Luis Potosi. Sugar.	18
28. Viscayno, Severa, Hacienda del Rincon, Jalisco. Sugar.	18
28. Yucatan, Government of the State of, Merida, Yucatan. Molasses.	18
28. Zebadua, Marcial, San Vicente, Chiapas. Sugar.	18

## GROUP 4.

28. Campeche, Government of the State of, Makalbox and macalitos.	28
28. Gongora Severiano, Espita, Yucatan. Peanuts.	31
28. Gonzalez, Enrique, Guanajuato. Peanuts.	31
28. Gonzalez Pedro, Ciudad Gonzalez, Guanajuato. Wild potato.	28
28. Jesus Maria, Political authority of, Jalisco. Potatoes.	28
28. Mexico, Government of the State of, Toluca, Mexico. Potatoes.	28
28. Mendez, Hilario, Campeche. Chac.	28
28. Morelos, Government of the State of, Cuernavaca, Morelos. Peanuts.	31
28. Oaxaca, Government of the State of, Oaxaca. Peanuts.	31

Exhibit No.	Class'n No.
295. Puebla, Government of the State of, a Potatoes and sweet potatoes	28
b Peanuts.	31
296. Tlaxcala, Government of the State of, Potatoes.	28

## GROUP 5.

297. Aguirre, Juan I. Ciudad Gonzalez, Guanajuato. Beans and vetches.	32
298. Amealco. Prefecto municipal, Queretaro. Vetches.	32
299. Arreola, Ignacio. Hacienda de "Maravillas" Ramos Arizpe, Coahuila. Beans.	32
300. Atotonilco. Political Authority of Jalisco. Chick peas.	32
301. Ayala, Francisco, Saltillo, Coahuila. Beans and chick peas.	22
302. Barro, Jose I., Rancho de "La Chancaca," Coahuila. Beans.	32
303. Bautista, Francisco, Tecali, Puebla. Vetches.	32
304. Bosque, Jesus del, Saltillo, Coahuila. Beans.	32
305. Bravo, Luis G., Quecholac, Puebla. Beans.	32
306. Cacho, Nicholas, Tehuacan, Puebla. Watermelon seeds.	32
307. Canedo, Jesus O., Hacienda de la Esperanza, Jalisco. Chick peas.	32
307a. Cardenas, Fernando de, Parras, Coahuila. Beans.	32
308. Carranza, Francisco, Hermosillo, Sonora. Beans.	32
309. Cocoba, Bernardo, Hermosillo, Sonora. Vetches.	32
310. Colima, Government of the State of, Beans.	32
311. Cosio, Jose Q. de, Queretaro. Beans.	32
312. Cosio Hnos., Queretaro. Beans.	32
314. Davila, Leonardo, Saltillo, Coahuila. Beans.	32
315. Dorantes, Manuel, Quecholac, Puebla. Beans.	32
316. Echeverria, Antonio, Mexico. Beans, chick peas, lentils and canary seed.	32
317. Etzatlan, Political Authority of, Jalisco. Chick peas.	32
318. Farias, Hnos., Hacienda de Bocas, San Luis Potosi. Beans.	32
319. Federal District, Government of the, Mexico, Dist. Federal. Beans, peas and vetches.	32
320. Flores, Mariano R., San Juan Grande, Jalisco. Chick peas and beans.	32
321. Galindez, Daniel, La Barca, Michoacan. Chick peas.	32
322. Gallardo, Francisco R., Mexico, Dist. Federal. Beans, chick peas and lentils.	32

## Farm Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
323. Gomez del Palacio, Francisco, Durango. Beans.	32	353. Martinez, Ramon, Mexico, Dist. Federal. Beans and chick peas.	
324. Gonzalez, Carlos, Hacienda de la Concha, Viesca, Coahuila. Beans.	32	354. Matute, Juan I., Hacienda de bezon, Jalisco. Beans.	
325. Gonzalez, Daniel, Union de San Antonio, Jalisco. Beans.	32	355. Mendez, Pedro, Villa de P Coahuila. Beans.	
326. Gonzalez, Franco Gabriel, Hacienda de Copala, Jalisco. Beans.	32	356. Mexico, Government of the State of Toluca, Mexico. Seeds.	
327. Graf Santiago, Tenancingo, Mexico. Beans and vetches.	32	357. Michaux, J., Heirs of, Mexico, Dist. Federal. Beans and chick peas.	
328. Grajales, Maraino, Morelos, Tlaxcala. Vetches.	32	358. Michaux, Salvador, Mexico, Federal. Beans and chick peas.	
329. Guanajuato, Government of the State of, Guanajuato. Peas.	32	359. Michoacan, Government of the State of, Morelia, Michoacan. Vetches, peas, lentils and beans.	
330. Guerrero, Government of the State of, Chilpancingo, Guerrero. Seeds.	32	360. Morales, Mariano, Villa de P Ramos Arizpe, Coahuila. Beans.	
331. Gutierrez, Donato, Villa Lerdo, Durango. Castor beans.	32	361. Morelos, Government of the State of, Cuernavaca, Morelos. Beans.	
332. Hacienda de Tlapizalco, Tenango, Mexico. Beans.	32	362. Oaxaca, Government of the State of, Oaxaca. Seeds.	
333. Harivel, Arturo, Colima. Beans.	32	363. Ornelas Celedonio, Ojuelos, Jalisco. Beans.	
334. Hernandez, Benito, Zacualtipan, Hidalgo. Vetches, lentils.	32	364. Orozco, Juan D., Hacienda de Antonio, Jalisco. Beans.	
335. Hernandez, Romualdo, Arandas, Jalisco. Beans.	32	365. Orozco, Rafael, Arandas, Jalisco. Beans.	
336. Hidalgo, Government of the State of, Pachuca, Hidalgo. Beans and vetches.	32	366. Pena, Luis, Manuel de la, Tequiapan, Queretaro. Beans.	
337. Huerta, Felix, Chilhuacan, Puebla. Beans.	32	367. Philognostical Society, Villa L Durango. Seeds.	
338. Ipina, J. E., Hacienda de Bledos, San Luis Potosi. Beans.	32	368. Puebla, Government of the State of, Puebla. Collection of seeds, beans, peas, vetches, etc.	
339. Irigoyen, Ignacio, Las Delicias, Chihuahua. Beans.	32	369. Remus, Sritas, Hacienda del Jalisco. Beans.	
340. Iturbe, Felipe, Mexico, Dist. Federal. Beans, chick peas, lentils.	32	370. Rivera, Trinidad, Queretaro. Beans and canary seed.	
341. Jalisco, Government of the State of, Guadalajara, Jalisco. Beans.	32	371. Rodriguez, Damaso, Saltillo, Coahuila. Beans.	
342. Jesus Maria, Political Authority of, Jalisco. Lentils.	32	372. Saravia, Alberto, Atotonilco, Jalisco. Vegetable seed and canary (alpiste).	
343. Jones, Ricardo L., Hacienda de "Venta del Astillero," Jalisco. Beans.	32	373. Solis, Roman, Zacualtipan, Hidalgo. Vetches.	
344. Labrada, Jesus, Hermosillo, Sonora. Beans and lentils.	32	374. Tapia, Miguel, Hermosillo, Sonora. Beans and chick peas.	
345. Lara, Fernando M. de, Pozo del Carmon, San Luis Potosi. Beans.	32	375. Tepic, Political Authority of, Jalisco. Beans.	
346. Lartigue, Aurelio, Monterrey, Nuevo Leon. Beans.	32	376. Torres, Hnos., Nazas, Durango. Vegetable seeds and canary seed.	
347. Legorreta, Antonio, Queretaro. Vegetable seeds.	32	377. Torres, Porfirio, Arandas, Jalisco. Beans.	
348. Legorreta, Luis, Queretaro. Chick peas.	32	378. Traslósheros, Jose M., Acajete, Coahuila. Beans, lentils, vetches.	
349. Loyola, Bernabe, Queretaro, Beans, chick peas and lentils.	32	379. Uribe, Salvador, Hacienda de Escondida, Jalisco. Beans.	
350. Loyola, Pedro, Ledsma, Jalisco. Beans.	32	380. Urquiza, Francisco, Queretaro. Chick peas and lentils.	
351. Llaca, Matilde B. de, Queretaro. Beans, chick peas and lentils.	32		
352. Magdaleno, Candido, Mexico, Dist. Federal. Beans and chick peas.	32		

## Preserved Foods, Dairy, Aromatic Substances.

Exhibit No.	Class'n No.
39. Valencia, Felipe, Hacienda de Ahuacapan, Jalisco. Beans.	32
40. Valerio, Lic. Gabriel, Saltillo, Coahuila. Beans.	32
41. Varela, Miguel, Metztitlan, Hidalgo. Beans.	32
42. Velasco, Juan, Hacienda Santa Ana, Guanajuato. Chick peas.	32
43. Villalobos, Martin, Rancho del Paso Blanco, Jalisco. Beans.	32
44. Zermeno, Feliciano, Parras, Coahuila. Beans.	32

## GROUP 6.

45. Elguezabal, Jesus, Musquiz, Coahuila. Dried beef.	33
46. Michoacan, Government of the State of, Morelia, Michoacan. Salted beef.	35

## GROUP 7.

47. Arandas, Political Authority of, Jalisco. Dry cheese.	43
48. Castanon, Lic. Carlos, Santa Isabel, Chiapas. Cheese.	43
49. Esponda, Manuel, Los Alamos, Chiapas. Cheese.	43
50. Lopez, Melesio, Guasave, Sinaloa. a Butter-cheese	42
b Butter	43
51. Michoacan, Government of the State of. Cheese.	43
52. Preciado, Miguel, Jajalpa, Jalisco. Dry Cheese.	43
53. Puebla, Government of the State of. Cheese.	43
54. Rodriguez, Bernabe, Ciudad Gonzalez, Guanajuato. Cheese.	43
55. Vidal, Viscayno, Jajalpa, Jalisco. Dry cheese.	43
56. Zabadian, Marcial, San Vicente, Chiapas. Cheese.	43
57. Zabadian, Manuela M., San Vicente, Chiapas. Cheese.	43

## GROUP 8.

58. Acosta Francisco, San Buenaventura, Chihuahua. Cut tobacco.	52
59. Adame, Rafael, Autlan, Jalisco. Cigarettes.	52
60. Alarcon, Damian, Chicontepec, Vera Cruz. a Coffee.	45
b Leaf tobacco.	48
61. Alcar, G., Tizimin, Yucatan. Coffee.	45
62. Alvarez, Ramon, Durango. Chocolate.	45
63. Aragon, S. F., Monterrey, Nuevo Leon. Chocolate.	45

Exhibit No.	Class'n No.
406. Ariza, Alejandro, Autlan, Jalisco. Cigarettes.	52
407. Avalos, C., Jose, Huimanguillo, Tabasco. Cigars.	52
408. Avalos, J. de C., Huimanguillo, Tabasco. Leaf tobacco.	48
409. Balsa Huos. Vera Cruz. a Leaf tobacco.	48
b Cigars.	52
410. Barrera, B., Merida, Yucatan. Leaf tobacco.	48
411. Barrera, Sixto, Tizimin, Yucatan. Leaf tobacco.	48
412. Barron, Florencio, Jilitla, San Luis Potosi. Coffee.	45
413. Becerra, N., Tabasco. Coffee.	45
414. Beltran, Pablo, Cosamaloapan, Vera Cruz. Cocoa and coffee.	45
415. Berardi, Reinaldo, Monterrey, Nuevo Leon. Chocolate.	45
416. Calderon, Jesus, Morelia, Michoacan. Snuff.	52
417. Capdevilla Bros., Sucs., Vera Cruz. Cigars.	52
418. Caron, V., Valladolid, Yucatan. Bobo pepper.	47
419. Cervantes, Antonio, Zapotlanejo, Jalisco. Coffee.	45
420. Chiapas, Government of the State of, Tuxtla, Chiapas. a Wild tea, Simojvel and Mexcalapa and other coffee, Mexcalapa, Pichucalco and Tuxtla cocoa; chocolate.	45
b Common pepper.	47
c Tobacco.	48
d Cigars.	52
421. Colima, Government of the State of, Caracolillo, Colima. Coffee.	45
422. Cornejo y Ca. La Paz, Baja California. Cigars and cigarettes.	52
423. Correa, de Matus J., Frontera, Tabasco. Leaf tobacco.	48
424. Cruz, Jose G., Pahuatlan, Puebla. Coffee.	45
425. Cruz, Pablo de la, Tabasco, Cobok and common cocoa; Caracolillo and common coffee.	45
426. Cuautitlan, Political Authority of, Jalisco. Tobacco.	48
427. De la Fuente, Dolores, Saltillo, Nuevo Leon. Corn leaf cigarettes.	52
428. De Lara, H. M., San Luis Potosi. Cigarettes.	52
429. Eguirrola, Julian, Cordova, Vera Cruz. Coffee.	45
430. Elortegui, Miguel, Hacienda de Loma Delgada, Jalisco. Coffee.	45
431. Escalante, V., Texax, Yucatan. Leaf tobacco.	48

## Aromatic and Vegetable Substances.

Exhibit No.	Class'n No.	Exhibit No.
432. Escandon, Francisco, Cordova, Vera Cruz. Coffee.	45	458. Hernandez y Baron, Manuel, peche. Manufactured tobacco.
433. Espinola, Manuela Valez de, Tekax, Yucatan. Leaf tobacco.	48	459. Heria, Jose M., Campeche. factured tobacco.
434. Espinosa y Compania, Merida, Yucatan. Chocolate.	45	460. Hidalgo, Government of the State of Pachuca, Hidalgo. Pasilla pepper
435. Fabre, Isidoro, Tabasco. Cocoa.	45	461. Ipinia, J. E., Hacienda de Bleda Luis Potosi.
436. Farias Hnos., Tamazopo, Bocas, San Luis Potosi. Pepper of several kinds.	47	<i>a</i> Coffee.
437. Fernandez, Jacinto, Cunduacan, Michoacan. Cigars.	52	<i>b</i> Pepper of several kinds.
438. Ferrer Molina, Jose, Campeche. Corn-coffee.	45	462. Ita, Juan, Oaxaca. Cigarettes.
439. Fletes, Amado, Tepic.	45	463. Jala, Political Authority of, Jalisco. Coffee.
<i>a</i> Coffee.	45	464. Jalostotitlan, Political Authority of, Jalisco. Tobacco.
<i>b</i> Cigars.	52	465. Jesus Maria, Political Authority of, Jalisco. Tobacco.
440. Foster, Juan A., Cordova, Vera Cruz. Coffee.	45	466. Lartigue, Aurelio, Monterrey, Leon. Pepper (chile pequin.)
441. Fuente, Domingo, Papantla, Vera Cruz. Vanilla.	47	467. Leal, Albino A., Cordova, Vera Cruz. Coffee.
442. Fuente, J. Sucs., Vera Cruz. Cigars.	52	468. Lederer y Maiz, Oaxaca. Coffee.
443. Gabarrot, Eugenio, & Co., Vera Cruz. Cigars.	52	469. Ledesma, A., Tamazopo, San Luis Potosi. Coffee.
444. Gabucio, M. y Ca., Tabasco. Cigars.	52	470. Lopez, Luis, Cordova, Vera Cruz. Coffee.
445. Galindez, Daniel, Guadalajara, Jalisco. Pepper (chilacate).	47	471. Lopez, Ramon, Cordova, Vera Cruz. Coffee.
446. Gaona, Eusebio, Cordova, Vera Cruz. Coffee.	45	472. Loyola, Bernabe, Queretaro. Vanilla pepper.
447. Garay, Ramon, Cordova, Vera Cruz.	45	473. Martinez, Antonio, Zongolica, Vera Cruz.
<i>a</i> Coffee.	45	<i>a</i> Coffee.
<i>b</i> Leaf tobacco.	48	<i>b</i> Highland pepper.
448. Garcia, Manuel P., Vera Cruz. Cigars.	52	<i>c</i> Tobacco.
449. Garcia, Miguel F., Cordoba, Vera Cruz. Coffee.	45	474. Matute, Juan I., Hacienda El Estero, Toluca, Mexico. Chocolate and coffee.
450. Gonzales, Gabriel, Ocotlan, Jalisco. Cigarettes.	52	475. Mendoza, Jose Maria, Colima. Vanilla coffee.
451. Gonzalez, Luis F., Cordova, Vera Cruz. Coffee.	45	476. Mercado, Aristeo, Uruapan, Michoacan. Coffee.
452. Gonzalez, Villasenor y Ca., Tepic. Cigars.	52	477. Mesa y Ca. P., Tepic. Cigarettes.
453. Grajales, G. Merida, Yucatan. Cigars, cigarettes and cut tobacco.	52	478. Mexico, Government of the State of Toluca, Mexico. Chocolate and coffee.
454. Guadalajara, Political Authority of, Jalisco. Peppers.	47	479. Michoacan, Government of the State of, Morelia, Michoacan.
455. Guerrero, Government of the State of, Chilpancingo, Guerrero.	45	<i>a</i> Tea, coffee, chocolate and coffee.
<i>a</i> Coffee and chocolate.	45	<i>b</i> Leaf tobacco.
<i>b</i> Spices and aromatic leaves.	47	480. Montessoro, Parnal, Gutierrez, Morelia, Vera Cruz. Vanilla.
<i>c</i> Tobacco.	48	481. Morelos, Government of the State of Cuernavaca, Morelos. Coffee.
456. Hacienda "La Fortuna," Tepic. Coffee.	45	482. Moreno, Cristino, Arandas, Jalisco. Tobacco.
457. Harriave, Arturo, Colima.	45	483. Morán y Ca. Sucesores, Aguascalientes. Cigars.
<i>a</i> Caracolillo coffee.	45	484. Munguia P. e hijo Mexico, Federal. Cigarettes.
<i>b</i> Cigars.	52	

## Aromatic Substances, Fibres.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
47. Nicoli, R., Tekax, Yucatan. Coffee.	45	512. Sanchez, Guillermo, Tuxtla, Chiapas.	
48. Noriega, Samano A., Mexico, Dist. Federal. Chocolate.	45	Cigars and cigarettes.	52
49. Oaxaca, Government of the State of.		513. Serna, Julio, Taretan, Michoacan.	45
a Coffee and cocoa.	45	Coffee.	
b Anise and red pepper (diez muestras Chile)	47	514. Soberon, Cecilio, Zitacuaro, Michoacan. Corn leaf cigarettes and cut tobacco.	52
c Leaf tobacco.	48	515. Sobreyra, Jesus, La Piedad, Michoacan. Mustard and black pepper.	47
d Cigarettes.	52	516. Soler, Amado, Cosamaloapan, Vera Cruz.	
50. Orozco, A., Tekax, Yucatan. Leaf tobacco.	48	a Coffee.	45
51. Pacheco, heirs and successors of General C. Coffee.	45	b Leaf tobacco.	48
52. Pardo, Emilio e hijo, Cordova, Vera Cruz. Coffee.	45	517. Sonora, Government of the State of, Hermosillo, Sonora. Tobacco.	48
53. Pasquel, Guillermo, Jalapa, Vera Cruz. Coffee.	45	518. Tabasco, Government of the State of, San Juan Bautista, Tabasco. Cocoa.	45
54. Pena, Epigmenio de la, Hacienda La Labor, Jalisco. Coffee.	45	519. Tepic, Political authority of Territory of.	
55. Penche, E., Espita, Yucatan.		a Coffee.	45
a Coffee.	45	b Cigars and tobacco.	52
b Black pepper.	47	520. Torres Hnos., Nazas, Durango. Leaf tobacco.	48
c Leaf tobacco.	48	521. Tremari, Pedro, Papantla, Vera Cruz. Vanilla.	47
56. Perez, Amelio, Tianguistengo, Hidalgo. Caracolillo coffee.	45	522. Ugalde, Marcial, San Juan del Rio, Queretaro. Leaf tobacco.	48
57. Perez, F., Tizimin, Yucatan. Black pepper.	47	523. Ugarte, Manuel M., Cuernavaca, Durango. Tea plant.	45
58. Petherek, Jamie H., La Union. Cigarettes.	52	524. Uribe, Salvador, Hacienda La Escondida, Jalisco. Tobacco.	48
59. Pichardo, Luciano R., Toluca, Mexico. Chocolate.	45	525. Urquiza, Francisco, Queretaro. Pajilla pepper.	47
60. Pliego, Luis G., Jajalpa, Mexico. Chocolate.	45	526. Valencia e hijo, Felipe, Hacienda Ahuacapan, Jalisco. Coffee.	45
61. Pomar, Hnos., Tabasco. Chocolate.	45	527. Velez, Felix, Zacoalco, Jalisco. Tobacco.	48
62. Puebla, Government of the State of.		528. Vera Cruz, Government of the State of, Jalapa, Vera Cruz.	
a Cocoa, coffee and tea.	45	a Coffee, lemon tea and black tea.	45
b Spices, pepper, etc.	47	b Black pepper.	47
c Tobacco.	48	c Leaf tobacco.	48
63. Pugibet, E., Mexico, Dist. Federal. Cigarettes.	52	529. Vogel, Arnoldo, Colima. Caracolillo coffee.	45
64. Purificacion, Political Authority of, Jalisco. Coffee.	45	530. Zepeda, Hnos., Zacualpa, Chiapas. Coffee.	45
65. Ramos, Jose M., Pichuicalco, Chiapas. Cocoa and coffee.	45	531. Zepeda, C., Merida, Yucatan. Cigarettes.	52
66. Renteria, Antonio D., San Luis Potosi. Cigarettes.	52		
67. Rejon, R., Tizimin, Yucatan. Leaf tobacco.	48		
68. Reyna, Hnos, Tabasco. Cigars.	52		
69. Ripoll y Cia, M., S. Juan Bautista, Tabasco. Cocoa.	45		
70. Rivera, Trinidad, Queretaro. Pasta pepper.	47		
71. Robles, Ignacio, Hacienda de Altamulco, Morelos. Coffee.	45		
72. Rodriguez, Filipe G., Jalapa, Vera Cruz. Cigars.	52		
73. Romo, Manuel M., Hacienda Santa Maria, Jalisco. Coffee.	45		

## GROUP 9.

532. Abitia, Eligio, Badiraguato, Sinaloa. Majagua fibre.	59
533. Acosta, Lorenzo, D. Tekax, Yucatan. Agave fibre.	59
534. Aguayo, Luis S. de, San Pedro Parra, Coahuila. Cotton.	58
535. Almada, Jesus, Hacienda de Mortato, Culiacan, Sinaloa. Ramie.	59

## Animal and Vegetable Fibres.

Exhibit No.	Class No.	Exhibit No.	
536. Amealco, Political Authority of.		560. Gutierrez, Jesus, Guadaleajara, Jalisco.	
Agave, Queretaro. Indian hemp, marsh-mallows and flax fibres.	59	Wild agave fibre.	
537. Ameca, Political Authority of, Jalisco.	59	561. Hacienda de Raboso, Puebla.	
Horse hair cord.	62	hows plant fibre.	
538. Arandas, Political Authority of, Jalisco.	59	562. Hacienda de Santa Cruz, Ahuacatlan, Jalisco.	
Agave fibres.	59	Cachemire goat hair.	
539. Cabrera, Octaviano B., Villa Reyes, San Luis Potosi.	59	563. Ipinia, J. E., Hacienda de B. San Luis Potosi.	
Agave filament.	59	Wool.	
540. Cadereyta, Political Authority of, Queretaro.	59	564. Juan de Dios, Rafael, Cosamalo de Vera Cruz.	
Agave fibre.	59	a Cotton.	
541. Campeche, Government of the State of.	59	b Cotton seed.	
Fine and common henequen.	59	565. Lara, Fernando de M., Pozo de Carmen, San Luis Potosi.	
542. Canedo, C., Hacienda del Cabezon, Jalisco.	59	Agave filament.	
Pochote fibre.	59	566. Lara, Francisco, M. de, Pozo de Carmen, San Luis Potosi.	
543. Canedo, Ramon, Badiraguato, Michoacan.	59	Wool.	
Colotague fibre.	59	567. Larios, Leonardo, Sayula, Jalisco.	
544. Charaben, Hipolito, Mexico, Dist. Federal.	61	Goats.	
Silk worm reproduction box.	61	568. Leon, Augusto, Merida, Yucatan.	
545. Chel, Leandro, Tekax, Yucatan.	59	Henequen.	
Agave fibre.	59	569. Lopez, Melesio, Guazave, San Luis Potosi.	
546. Chiapas, Government of the State of, Tuxtla, Chiapas.	59	Goat hair.	
a Cotton.	59	570. Lopez, Patron Francisco, E. Yucatan.	
b Henequen and pinuela.	59	Agave fibres.	
c Silk.	61	571. Macotella, Prospero, Tula de Allende, Hidalgo.	
547. Cocula, Political Authority of, Jalisco.	59	Cocoon and silk.	
Agave, pochote and ramie fibres.	59	572. Meade, Eduardo, San Luis Potosi.	
548. Colima, Government of the State of, Colima.	59	Palm filament.	
Banana, acapau and agave fibres.	59	573. Mercado, Axisteco, Morelia, Michoacan.	
549. Diaz, Hilario de, Juchitlan, Jalisco.	59	a Ramie and other fibres.	
Horse hair cord.	62	b Fleece.	
550. Duarte Hnos., Tekax, Yucatan.	59	574. Mexico, Government of the State of, Toluca, Mexico.	
Henequen.	59	a Ramie stem, and calalahuia fibre.	
551. Flores, Manuel, Tequila, Jalisco.	59	b Silk and cocoons.	
Agave fibre.	59	575. Michoacan, Government of the State of, Morelia, Michoacan.	
552. Flores, Mariano R., Hacienda de San Juan Grande, Jalisco.	59	a Cotton.	
Pochote fibre.	59	b Wool.	
553. Francisco, Jose, Tehuacan, Puebla.	59	c Silk cocoons.	
Jonote.	59	576. Moctezuma, Mariano, Ciudad Guzman, Jalisco.	
554. Gallardo, N., Ojueloa, Jalisco.	60	Maiz, San Luis Potosi.	
Wool.	60	Palm and agave fibres.	
555. Galvan, Manuel, Jaumave, Tamaulipas.	59	577. Montemayor, R., Jaumave, Tamaulipas.	
Lechuguilla plants and filaments.	59	Wool.	
556. Graf, Santiago, Tenancingo, Mexico.	59	578. Morales, Martin, Hacienda de Antonio del Jaral, Coahuila.	
a Cotton.	58	a Fleece.	
b Wool.	60	b Lechuguilla fibre.	
557. Grajales, Mariano, Morelos, Tlaxcala.	59	579. Museo Industrial, Guadalupe, Jalisco.	
Ittle.	59	Guava-tree wild silk.	
558. Guerrero, Government of the State of, Chilpancingo, Guerrero.	59	580. Oaxaca, Government of the State of, Oaxaca.	
a Agave, majahua and caba fibre.	59	a Cotton.	
b Silk.	61	b Pochote, ramie, agave, jonote and willow fibres.	
559. Gutierrez, Donato, Villa Lerdo, Durango.	59	c Wool.	
a Cotton and cotton plant.	59	d Silk.	
b Lechuguilla plant.	60		

## Fibres, Mineral Waters.

Exhibit No.	Class'n No.
51. Ornela, J. H. de Y., Coatepec, Vera Cruz. Vegetable silk.	59
52. Pacheco, Carlos, Heirs of General Motzoringo, Vera Cruz. Ramie fibre.	59
53. Philo-nostical Society, Villa Lerdo, Durango. Cotton and cotton plants.	53
54. Puebla, Government of the State of.	
a Cotton.	53
b Agave thread and various fibres.	59
c Wool.	60
d Cocoon and wild silk.	61
55. Quiroz, Jose P. Coatepec, Vera Cruz. Banana and izote fibres.	59
56. Ramirez, Feliciano, Coyomeapan, Puebla. Jonote.	59
57. Ramos, Felix, Sayula, Jalisco. Silk cocoons.	61
58. Ramos, Pio, Cosamaloapan, Vera Cruz. Cotton.	59
59. Rayones, Political Authority of, Nuevo Leon. Several kinds of fibres.	59
60. Redo y Ca., Culiacan, Sinaloa. Ixtle.	59
61. Rejon, Tejero Joaquin, Tisimin, Yucatan. Agave fibres.	59
62. Reyes, Hilario de los, Saltillo, Coahuila. Agave fibre. (Ixtle de maquay).	59
63. Reza, Jesus, Villa de Guerrero, Mexico. Silk.	61
64. Rios, Carlos, San Luis Potosi. Vegetable silk.	59
65. Rios, Tecla A. de, Hacienda de Sta. Cruz Ahualulco, Jalisco. Merino wool.	60
66. Rodriguez, Bernabe, Ciudad Guzman, Guanajuato. Filament (Ixtle).	59
67. Romo, Manuel M., Hacienda de Santa Maria, Jalisco. Ramie fibre.	59
68. Rosado, Desiderio, Comacalco, Tamaulipas. Silk cocoons.	61
69. Rosales, Dolores, Tenancingo, Mexico. Silk.	61
70. Saldana, Tirso, Jaumave, Tamaulipas. Agave filaments.	59
71. Serrano, Ignacia, Ixmiquilpan, Hidalgo. Cocoon and skein of silk.	61
72. Siller, Apolonio, Saltillo, Coahuila. Lechuguilla fibre.	59
73. Simatlan, Political Authority of, Jalisco. Cotton.	53
74. Soberon, Matias H., San Luis Potosi.	
a Lechuguilla fibre.	59
b Fleec.	60
75. Soler, Amado, Cosamaloapan, Vera Cruz. Cotton seed.	56
76. Sonora, Government of the State of, Hermosillo, Sonora. Cotton.	53

Exhibit No.	Class'n No.
607. Tabasco, Government of the State of, San Juan Bautista, Tabasco. Pochote and other fibres.	59
608. Tamazunchale, Political Authority of, San Luis Potosi. Agave fibre cord.	59
609. Tepic, Political Authority of, Pochote and other fibres.	59
610. Toliman, Political Authority of, Queretaro. Agave and lechuguilla fibres.	59
611. Torres Hnos, Nazas, Durango. Cotton.	59
612. Ugarte, Manuel M., Cuencame, Durango. Fibres.	59
613. Vasquez, Luis G., Lampazos, Nuevo Leon. Cotton.	60
614. Velasco, Ramon, Ocotlan, Jalisco. Silk cocoons.	61
615. Vera Cruz, Government of the State of, Jalapa, Vera Cruz.	
a Cotton.	53
b Fibres of several kinds.	59

## GROUP 10:

616. Aguirre, Juan A. de, Tepic. Mineral water.	64
617. Atotonilco, Political Authority of, Durango. Thermal water.	64
618. Barron, Forbes & Co., Tepic. Mineral waters.	64
619. Carbajal, Pedro, Santa Rosalia, Chihuahua. Mineral water.	64
620. Chapala, Political Authority of, Jalisco. Medicinal water.	64
621. Chiapas, Government of the State of, Tuxtla, Chiapas. Mineral water.	64
622. Farias, Juan J., San Luis Potosi. Mineral water.	64
623. Guerrero, Government of the State of, Chilpancingo, Guerrero. Spring water.	64
624. Hidalgo, Government of the State of, Pachuca, Hidalgo. Spring water.	64
625. Isla Grande, Political Authority of, Jalisco. Thermal water.	64
626. Mexico, Government of the Federal District of. Spring water.	64
627. Ponce de Leon, Miguel, Culiacan, Sinaloa. Thermal water.	64
628. Purificacion, Political Authority of, Jalisco. Thermal water.	64
629. Rancho del Embocadero, Political Authority of, Jalisco. Thermal water.	64
630. Soberon, Matias H., Peotillos, Michoacan. Mineral water.	64
631. Tabasco, Government of the State of, San Juan Bautista, Tabasco. Sulphurous water.	64

## Liquors.

Exhibit No.	Class'n No.	Exhibit No.
632. Tonalá, Political Authority of, Jalisco. Ferruginous and potable water.	64	659. Ciudad Valles, Political Authority of, San Luis Potosí. Sugar-cane brandy.
633. Zacualco, Political Authority of, Jalisco. Mineral water.	64	660. Colerado, Efrén, Coatepec, Cruz. Liquors.
<b>GROUP 11.</b>		661. Contreras, Antonio, Coatepec, Cruz.
634. Acosta, Jose Manuel, Cuernavaca, Morelos. Quince liquor.	69	a Banana brandy.
635. Alcazar, Eduardo, Patzcuaro, Michoacan. Coconut and quince liquors.	69	b Zobo liquor.
636. Alonzo, Vicente, Calderon. Sugar-cane brandy.	67	662. Cordova, Federico, Zacualco, Hidalgo. Quince liquor.
637. Anaya, Manuel, Monclova, Coahuila. Mezcal brandy.	67	663. Cortes, Agapito e hijos, Naucatlan, Mexico. Quince liquor.
638. Aranz, Joaquin J., Acamilpa, Hidalgo. Sugar-cane brandy.	67	664. Cortina, Hnos., Sucesores, Tenancingo, Mexico. Sugar-cane brandy.
639. Arce, Canton Amado, Valladolid, Yucatan. Anise brandy.	67	665. Cortina, M. M., Heirs of, Coahuila, Michoacan. Sugar-cane brandy.
640. Badillo, J., Ixmiquilpan, Hidalgo. Quince liquor (membrillo).	69	666. Cruz, P. de la, Villa Alta, Puebla. Mezcal brandy.
641. Barrera, Trinidad, Morelia, Michoacan. Mezcal brandy.	67	667. Cruz, Sabas, Hacienda de San Mateo, Quiteria, Jalisco. Mezcal brandy.
642. Barron, Forbes y Cia, Tepic. Sugar-cane brandy.	67	668. Davila, Ignacio, Guadalajara, Jalisco. Livuors.
643. Basterrechea, Hnos, Tacambaro, Michoacan. Sugar-cane brandy.	67	669. Diaz, Aurelia, Queretaro. Quince liquor.
644. Bolanos, Antonio, Teziutlan, Puebla. Apple and quince liquors.	69	670. Diaz, Joaquin, Mezquital, Durango. Mezcal brandy.
645. Burgueto, Martin, Tuxtla Gutierrez, Chiapas. Liquors.	69	671. Diez, Manuel M., Cuernavaca, Morelos. Mezcal brandy.
646. Cabrera, O. B., Villa Reyes, San Luis Potosí. Mezcal brandy and cut agave for brandy purposes.	67	672. Elisondo, Felix, Monterrey, Coahuila. Sugar-cane brandy.
647. Camarena, Amado, Hacienda de la Labor de Rivera, Jalisco. Mezcal brandy.	67	673. Elortegui, Miguel, Hacienda de San Mateo, Delgada, Jalisco. Sugar-cane brandy.
648. Cantolla y Comp, La Trinidad, San Luis Potosí. Mezcal brandy.	67	674. Esponda, Manuel, Alamos, Chihuahua. Sugar-cane brandy.
649. Carbajal, Ignacio, Alvarez, Guerrero. Mezcal brandy.	67	675. Fabre, Isidora, San Juan Bautista, Tabasco. Sugar-cane brandy.
650. Carbajal, Jesus, Jonacatepec, Jalisco. Sugar-cane brandy.	67	676. Farias, Juan J., Bocas, San Luis Potosí.
651. Cardenas, Amador, San Juan de Guadalupe, Durango. Sweet bean (Mezquite) brandy.	67	a Mezcal brandy.
652. Cardoso, Febronio, Atlixco, Puebla. Sugar-cane brandy.	67	b Agave alcohol.
653. Carrasco, Dionisio, Morelos, Otumba, Mexico. Cherry liquor (capulin).	69	677. Filizola, Hnos., Ciudad Valles, Tamaulipas. Anise seed brandy.
654. Carre, Jose M., Valle del Bravo, Mexico. Distilled brandy.	67	678. Flores, Enrique, Toluca, Queretaro. Mezcal flower brandy.
655. Castanos, Gabriel, Hacienda Bellavista, Jalisco. Sugar-cane brandy.	67	679. Flores, Jesus, Guadalajara, Jalisco. Mezcal brandy.
656. Castillo, Hnos., Mezquital, Durango. Mezcal brandy.	67	680. Flores, Jose M., Oacalco, Puebla. Sugar-cane brandy.
657. Chiapas, Government of the State of, Tuxtla, Chiapas. Sugar-cane brandy.	67	681. Flores, Manuel, Tequila, Jalisco. Mezcal brandy.
658. Cid de Leon, Jose M., Atoyac, Puebla. Sugar-cane brandy.	67	682. Forre, Ysidoro de la, San Juan, Jalisco. Sugar-cane brandy.
		683. Garcia, P. y Hnos, Otumba, Mexico. Mezcal brandy.
		684. Garcia, Yezbaleceta Hnos., Tenancingo, Mexico. Sugar-cane brandy.
		685. Gomez Acosta, E., Ixmiquilpan, Hidalgo. Quince liquor.

## Liquors.

Exhibit No.	Class'n No.
686. Gonzalez, Jose, Queretaro. Quince liquor.	69
687. Gorozpe, Jose M., Jalapa, Vera Cruz. Sugar-cane brandy.	67
688. Grimaldo, Isidro, Tetela, Puebla. Cherry and orange liquors.	69
689. Guerra, Soriello Jose, El Hospital, Jalisco. Sugar-cane brandy.	67
690. Guerrero, Government of the State of, Chilpancingo, Guerrero. Mezcal brandy and sugar-cane brandy.	67
691. Guerrero, Ignacio, Cordoba, Vera Cruz. Cuauhtemoc liquor.	69
692. Guerrero, Jose M., Tlatlangui, Puebla. Orange liquor.	69
693. Gutierrez, C. D., San Luis Potosi. Mezcal brandy.	67
694. Guzman, Constancio, Miacatlan, Puebla. Mango brandy.	67
695. Hacienda de Santa Cruz de Ahualulco, Jalisco. Mezcal brandy.	67
696. Hacienda La Escondida y Puga, Tepic. Sugar-cane brandy.	67
697. Hernandez, Antonio, San Nicholas, Tamaulipas. Mezcal brandy.	67
698. Hernandez, Maximino, Guadalajara, Jalisco. Mezcal brandy.	67
699. Herrera y Canal, Frontera. Tabasco rum.	67
700. Hidalgo, Vicente de la, Hacienda de Colon, Puebla. Sugar-cane brandy.	67
701. Ipin, Jose E., Hacienda de Bledos, San Luis Potosi. a Agave and Mezcal brandy.	67
b Agave alcohol.	68
702. Jalapa, Government of the State of, Vera Cruz. Cherry liquor.	69
703. "La Fabrica," Ocuilan, Mexico. Distilled brandy.	67
704. Lara, Fernando, Pozo del Carmen, San Luis Potosi. Mezcal brandy.	67
705. Lobato, Dolores, Coajote, Puebla. Sugar-cane brandy.	67
706. Lopez, Melesio, Guazave, Sinaloa. Rum, Mezcal brandy and cut agaves for brandy purposes.	67
707. Llica y Fonseca, Queretaro. Quince liquor.	69
708. Llanos, Jose J., Hacienda de Chapulmiza, Jalisco. Mezcal brandy.	67
709. Madrid, Eliseo, Hacienda de la Providencia, Jalisco. Mezcal brandy.	67
710. Martinez, Lino, Hacienda de Santo Tomas, Jalisco. Mezcal brandy.	67
711. Martinez, Manuel, Tecali, Puebla. Mezcal brandy.	67

Exhibit No.	Class'n No.
712. Mena, Jacinto R., Ciudad Gonzalez, Guanajuata. a Mezcal brandy.	67
b Fruit wines.	69
713. Mendoza, Nabor, Hacienda del Oro, Baja, California. Mezcal brandy.	67
714. Mexico, Government of the State of, Toluca, Mexico. Distilled brandy.	67
715. Michel, Jose, Chachahuatlan, Jalisco. Mezcal brandy.	67
716. Michel, Lorenzo, Juanacatlan, Jalisco. Mezcal brandy.	67
717. Michoacan, Government of the State of, Morelia, Michoacan. Sugar-cane brandy.	67
718. Miguel, Guarduno, Mexico, Dist. Federal. Liquors.	69
719. Monteleone, Duque de, Altacomulco, Hidalgo. Sugar-cane brandy.	67
720. Morelos, Government of the State of, Cuernavaca, Morelos. Sugar-cane and Mezcal brandy.	67
721. Moro, Antonio, Xochitlan, Puebla. Mezcal brandy.	67
722. Munoz, Miguel, Coatepec, Vera Cruz. Liquors.	69
723. Nochebuena, Guzman Victor, Tlatlauqui, Puebla. Apple and orange liquors.	69
724. Ocaranza, Juan, Teuchitlan, Jalisco. Mezcal brandy.	67
725. Ochoa, Santa Cruz, Colima. Sugar-cane brandy.	67
726. Oliveros, Ramon, Actopan, Vera Cruz. Sugar-cane.	67
727. Pacheco, Heirs of Gral C., Motzorango, Vera Cruz. Sugar-cane and other brandies.	67
728. Pacheco, Romulo, Tenancingo, Mexico. Liquors.	69
729. Padilla, Jose M., Zinapécuaro, Michoacan. Mezcal brandy.	67
730. Pando, Romulo, Zacualtipan, Hidalgo. Quince liquor.	69
731. Pasquel, Guillermo, Jalapa, Vera Cruz. Sugar-cane brandy.	67
732. Pena, Estanislao, Zitacuaro, Michoacan. Liquors.	69
733. Pena, Manuel de la, Queretaro. Quince liquor.	69
734. Pendas, Geronimo, Zacualtipan, Hidalgo. Quince-liquor.	69
735. Peniche, Andres M., Tizimin, Yucatan. Mint liquor.	67
736. Peniche, Evaristo, Espita, Yucatan. Anise brandy.	67
737. Peiro, Hnos., Hacienda de Pericos, Mocorito, Sinaloa. Mezcal brandy.	67

## Liquors, Machinery.

Exhibit No.	Class'n No.
738. Peon, Carlos, Ticul, Yucatan. Anise brandy and rum.	67
739. Peres, Procopio, Tepic. Cuastecomate brandy.	67
740. Perez, Jesus, Mezquital, Durango. Mezcal brandy.	67
741. Pichardo, Luciano, Toluca, Mexico. Liquors.	69
742. Prisciliano, Martinez, Queretaro. Vinegar.	69
743. Puebla, Government of the State of. a Mezcal and sugar-cane brandy.	67
b Liquors. (Tejocote, peron, zarzamora, membrillo, mamzana, naranja.)	69
744. Rado y Cia., Culiacan, Sinaloa. Mezcal and sugar-cane brandy.	67
745. Ramirez, Ladislao, San Luis Potosi. Deodorized Mezcal brandy.	67
746. Remus, Senoritas, Hacienda de Bellavista, Jalisco. Mezcal brandy.	67
747. Reyes, Antonio, Toluca, Mexico. Quince liquors.	69
748. Robles, Ponciano, Santa Ranas, Jalisco. Mezcal brandy.	67
749. Rodas, Braulio, Comitán, Chiapas. Liquors.	69
750. Rodriguez, Martiniano, Zacualtipan, Hidalgo. Blackberry liquor.	69
751. Rojas, Lopez Alberto, Hacienda de Colica, Jalisco. Mezcal brandy.	67
752. Rojas, Macario, Atotonilco, Jalisco. Orange liquor.	69
753. Rojas, Teodoro, Tepic. Mezcal brandy.	67
754. Roman, Vicente, Morelia, Michoacan. Liquors.	69
755. Romero, Francisco. Tequila, Jalisco. Mezcal brandy.	67
756. Romero, Gil Hilarion, Hacienda de la Estanzuela, Jalisco. Mezcal brandy.	67
757. Rosales, Emeterio, Tenancingo, Mexico. Liquors.	69
758. Rovalo, Agustin, Heirs of, San Sabine, Chiapas. Sugar-cane brandy.	67
759. Ruiz, Pablo, R., Coatlan del Rio, Jalisco. Sugar-cane brandy.	67
760. Santa Maria, Juan, Palpen, Vera Cruz. Mezcal brandy.	67
761. Sarmina, Sixto, Miacatlan, Puebla. Sugar-cane brandy.	67
762. Sauza, Cenobio, Guadajara, Jalisco. Mezcal brandy.	67
763. Schluter, Maximiliano. Mezquital, Durango. Tepemete-ahuacatado.	67
764. Sonora, Government of the State of, Hermosillo, Sonora. Bacanora brandy.	67

Exhibit No.	
765. Sotelo, Leonardo. Tenancingo, Mexico. a Mezcal brandy.	
b Liquors.	
766. Tepic, Political authority of. ecomate liqueur.	
767. Teran, Rafael, San Carlos, Mexico. Mezcal brandy.	
768. Teyssier, Issac, Puebla. Liqueur.	
769. Tijera, Gregorio, de la, Zacualtipan, Hidalgo. Blackberry liqueur.	
770. Vela, Jose M., Jalapa, Vera Cruz. Liquors.	
771. Vera Cruz, Government of the State of, Jalapa, Vera Cruz. Sugar-cane brandy.	
772. Villarreal, Vicente, Mina, Nuevo Leon. Mezcal brandy.	
773. Vizcayno, Carlos, El Noxtle, Mexico. Mezcal brandy.	
774. Vogel, Arnoldo, Colima. Cane brandy.	
775. Xicluna, Jorge, Mexico, Dist. Federal. Liquors.	
776. Zorrilla, Alonso, Don Raul, Chiapas. Mezcal brandy.	

## GROUP 12.

777. Cerveceria "Cuauhtemoc," Mexico. Nuevo Leon. Beer.
778. Cerveceria de Monterrey, Mexico. Nuevo Leon. Beer.
779. Pons, Pedro, San Luis Potosi. Beer.
780. Rague, Felix, Saltillo, Coahuila. Beer.

## GROUP 14.

781. Leblanc, Alejandro, Atlitico, Mexico. Photographs of flour mill "El Volcan."
782. Maurer, S., Puebla. Photographs of flour mill "San Francisco."

## GROUP 16.

783. Aguirre, Antonio, Allende, Nuevo Leon. Hand-seeder. □
784. Araujo, Luis, Lagos, Mexico. Plow model.
785. Chavez, Augustin M., Mexico, Dist. Federal. Triplex plow.
786. Flores, Juan M., Durango. Plow model.
787. Guerrero, Government of the State of, Mexico. Machete.
788. Oaxaca, Government of the State of, Mexico. Machete and coa.

## Miscellaneous Products, Oils.

	Class'n No.	Exhibit No.	Class'n No.
Stephens, S., Merida, Yucatan. Photographs of henequen extracting machines.	87	813. Gutierrez, Cortina Francisco, Mexico City, Dist. Federal. Stearine candles and stearine.	97
Villa Amor Timoteo, Merida, Yucatan. Photographs of henequen extracting machines.	87	814. Hernandez, Benito, Zacualtipan, Hidalgo. Bees wax.	97
<b>GROUP 17.</b>		815. Izquierdo, J. M., Libres, Puebla. Lard oil.	94
Carballo, Jose, Isla de Mujeres, Yucatan. Tortoise shell.	90	816. Jacot, Aleiandro, Temascaltepec, Mexico. Sesame oil.	95
Chiapas, Government of the State of, Tuxtla, Chiapas. Deer skins and ambergris.	90	817. Jaspeado, Ruperto Texcoco, Mexico. Olive oil.	95
Davila, H., Monterrey, Nuevo Leon. Catiguat and other skins.	90	818. Jesus, Maria, Political Authority of, Jalisco. Linseed oil.	95
Municipio de Peto, Peto, Yucatan. Baker's horns.	90	819. Jimenez, Severiano, Jalisco. Soap.	96
Sanchez, Laureano, Isla de Mujeres, Yucatan. Cahuamo shell.	90	820. "La Alianza," Compania Anonima, Ltd., Torreon, Coahuila. Cottonseed oil soap.	96
Serrano, Cesareo, Sotuta, Yucatan. Yucati rib.	90	821. Laroche, Eduardo R., Saltillo, Coahuila. Cottonseed oil soap.	96
<b>GROUP 18.</b>		822. Mexico, Government of the State of, Toluca, Mexico.	
Amealco, Political Authority of, Queretaro. Sesamum and other oil seeds.	95	a Beeswax.	97
Atotonilco, Political Authority of, Jalisco. Linseed and Palma-christi seed, etc.	95	b Olives, linseed, and other seeds for oil.	95
Barragan, Ireneo L., Autlan, Jalisco.	96	823. Michoacan, Government of the State of.	
Bringham, Juan, Villa Gomez del Rio, Durango.		a Sesame oil.	95
c Cotton seed oil.	95	b Soap.	96
c Soap.	96	824. Morelos, Government of the State of, Cuernavaca, Morelos. Sesame and Palma-christi seed and Oyamel oil.	95
Canto, L., Tekax, Yucatan. Sesame seed for oil.	95	825. Moreno, C., Valladolid, Yucatan. Palmachristi oil.	95
Chiapas, Government of the State of, Tuxtla, Chiapas. Axle grease.	97	826. Morril, Augusto, Colima. Soft soap.	96
Colima, Government of the State of, Beeswax.	97	827. Oaxaca, Government of the State of.	
Colle y Martin, Saltillo, Coahuila. Yellow soap and turpentine soap.	96	a Beeswax.	97
Correa, Manuel, Tizimin, Yucatan. Mucuy oil.	94	b Palma-christi seed oil.	95
Correa, T., Tizimin, Yucatan. Cichite Soap.	95	828. Orozco, Donato, Arandas, Jalisco. Palmachristi seed for oil.	95
Flores, R., Mariano, Ocotlan, Jalisco. Palmachristi seed for oil.	95	829. Patron, Arcadio, Campeche. Common soap.	96
Gonzalez, Hilario, Tapalpa, Jalisco.	96	830. Peiro, Hnos., Hacienda de Pericos, Mocorito, Sinaloa. Palma-christi seed for oil.	95
Gonzalez, Juan e hijo, Sayula, Jalisco.	96	831. Philognostical Society, Villa Lerda, Durango. Lechuguilla soap.	96
Gonzalez, Pedro, Ciudad Gonzalez, Camajuato. Rape-seed for oil.	95	832. Pliego, Luis G., Jajalpa, Mexico. Stearine.	97
Grif Santiago, Tenancingo, Mexico. Palmachristi seed for oil.	95	833. Povedano, E., Isla Mujeres, Yucatan. Coco oil.	95
Guerrero, Government of the State of. Beeswax.	97	834. Puebla, Government of the State of.	
Palma-christi and sesame oil and seeds.	95	a Beeswax and campeche wax.	97
		b Soap.	96
		c Linseed oil and oil seeds.	95
		835. Queretaro, Political Authority of. Beeswax.	97
		836. Ramirez, Petrona, Tekax, Yucatan. Beeswax.	97



## Miscellaneous.

	Class'n No.
Van Perlestein, Ph., & Son, Doetichem.	
• Cordials and liqueurs.	69
• Butters.	70

## GROUP 15.

Andre, A. Theo., Amsterdam. Books	
• on indigo culture.	83

## GROUP 152.

Huet, A., Delft. Drawings of water	
• in Holland.	881
Royal Institute of Engineers, The	
• Maps and drawings of water	
• in Holland.	881

## DEPARTMENT N.

Bange, W., & Co., Rotterdam. Indigo	
• andadder.	108
Mirandolle, Voute & Co., Amsterdam.	
• Indigo.	105
• Yearly about 35,000 peculs, espe-	
• cially for holstering and bed-filling pur-	
• pose. Yearly increasing consumption.	
• Brightness, cleanliness. For par-	
• ticulars apply to Mirandolle, Voute & Co.,	
• (Amsterdam, Java) and Amsterdam.	

## NETHERLANDS, EAST INDIES.

Collective Exhibit of the Java-Chicago  
Exhibition Syndicate, Batavia.  
Gal. P-M-7.

Exhibit No.	Class'n No.
----------------	----------------

## GROUP 1.

1. Rice.	6
2. Flours.	11

## GROUP 3.

3. Cane sugar.	18
4. Palm sugar.	22

## GROUP 8.

5. Tea, coffee, cocoa.	45
6. Pepper, cloves, cinnamon and other	
spices.	47
7. Tobacco, Java and Sumatra.	48

## DEPARTMENT E.

## GROUP 52.

8. Tin.	345
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## DEPARTMENT N.

## GROUP 19.

9. Indigo.	103
10. Kapok.	109

## NEW SOUTH WALES.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

	Class'n No.
Alsopp, Thomas, Murrumburrah.	
• Flour.	11
Anderson, William, Altcar. Wheat.	1
Black & Sons, J. Wheat.	1
Bruton & Co., Granville.	
• Wheat.	1
• Flour.	11
Chart, George, Brungle.	
• Wheat.	1
• Oats.	8
• Barley.	4
• Rye.	5
Cokes & Levy, Tamworth.	
• Wheat.	1
• Flour.	11

Exhibit No.	Class'n No.
----------------	----------------

7. Commissioners' for New South Wales, Sydney.	
• a Wheat, several varieties.	1
• b Oats.	3
8. Cootamundra Farmers' Co-operative Roller Milling Company, Cootamundra. Flour.	11
9. Department of Agriculture, Sydney.	
• a Collection of various species of New South Wales grasses; botanically named and described.	8
• b Collection of New South Wales forage plants; botanically named and described.	9
10. Gardiner, Edwin, Temora. Flour.	11
11. Green, G. K., Tumut. Maize.	2

## Cereals, Baking Powder, Syrups, Preserved Meats, Tobacco.

Exhibit No.		Class'n No.
12.	Grover, E., Glen Innes. Flour.	11
13.	Holschier, John, Alcar. Wheat.	1
14.	Johnson, B., Tumut. Maize.	1
15.	Matthews, H. C., Bathurst.	
	a Wheat.	1
	b Flour.	11
16.	McCallum, Argyle, Goodhope. Maize.	2
17.	M'Gee & Quinn, Parkes.	
	a Wheat.	1
	b Flour.	11
19.	McShane, Patrick, Goulburn.	
	a Wheat.	1
	b Maize.	2
	c Oats.	3
	d Barley.	4
19a.	Moore, George, Corowa. Wheat.	1
20.	Pawley & McIntyre, Inverell.	
	a Wheat.	1
	b Flour.	11
21.	Quinn, Peter, Kiama.	
	a Maize.	1
	b Oats.	3
22.	Quirk & Co., Wellington. Wheat.	1
23.	Rierath, C., Albury. Wheat.	1
24.	Spratt, James, Orange.	
	a Wheat.	1
	b Oats.	3
	c Hay.	8
25.	Tremain, William, Bathurst.	
	a Wheat.	1
	b Flour.	11
26.	Utz, F., Glen Innes.	
	a Wheat.	1
	b Flour.	11
27.	Waters, Michael, Richmond. Maize.	2
28.	White, J., Albury. Barley.	4
29.	Young Co-operative Roller Flour Mill Company (Limited), Young. Flour.	11

## GROUP 2.

30. Hood, Phineas A., Bathurst. Baking powder. 12
31. Laurie, Alexander, Rawdon Vale. Arrowroot, "Cana edulis." 6
32. Leslie, William, Dubbo. Baking powder. 12
33. Peate, Lawrence, Bathurst. Baking powder and self-raising flour. 12

## GROUP 3.

34. Bennett, Mrs., Tamworth. Honey. 26
35. Buttsworth, Ebenezer E., Cessnock. Honey. 26

- | Exhibit No. |   |
|-------------|---|
| 36.         | Commissioners for New South Sydney. Sorghum saccharatum |
| 37.         | Cowan, David W., Tomkane. cane.                         |
| 38.         | Doyle, Ernest F., Werri Honey.                          |
| 39.         | Kirk, J. & W., Chatsworth cane.                         |
| 40.         | Mankin, R., Morongla Creek                              |
| 41.         | Mansfield, C., Largs. Honey.                            |
| 42.         | Munday, James F., Woodville                             |
| 43.         | Niven & Sons, William, Honey.                           |
| 44.         | Patten, Robert, West Honey.                             |
| 45.         | Pender, John, West Maitland                             |
| 46.         | Robertson, Duncan, Carr Sugar cane.                     |
| 47.         | Scobie, Michael and Robe Maitland. Honey.               |
| 48.         | Shaw, William, Mudgee.                                  |
| 49.         | Vogele, August J. C., Honey.                            |

## GROUP 5.

50. Commissioners for New South Sydney. Peas.

## GROUP 6.

51. Australian Meat Co., Ramona. a Preserved meats. b Extract of meat and me
52. Pattison, John D., Sydney. sauce.
53. Peate, Lawrence, Bathurst. egg powder, etc.
54. Sydney Meat Preserving Coney. a Preserved meats. b Extract of meet and me

## GROUP 7.

55. Spies, Wilton & Co., Mudg

## GROUP 8.

56. Abbott, William, Murrumbidgee. tobacco leaf.
57. Ah Chung, Tumut. Tobacco
58. Commissioners for New South Sydney. Tobacco leaf.

## Tobacco and Wool.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 3. Dixon & Sons, Sydney. Photograph of tobacco and cigarette factory. | 49          |
| 6. Shu Pack. Tumut. Tobacco leaf.                                     | 48          |

## GROUP 9.

61. Department of Public Instruction, Technical education branch, Sydney. Collection of New South Wales wools from the Technological Museum (500 samples). 60

## GROUP 9—CLASS 60.

## Fleeces, Pure Bred Fine Wools.

1. Allen, Edmund John, Stoney Creek, Young.
2. Battington, J. B., Brindley Park, Merriwa.
3. Bowman, Ernest Matthew, Wargun-  
dy, Gulgong.
4. Brace, George, Loombah, Molong.
5. Campbell, Fredk., Yarralumla, Queanbeyan.
6. Collaroy Co., Ltd., Collaroy, Merriwa.
7. Cox, George Henry, Burrundul la,  
Mudgee.
8. Cox, J. D., Cullenbone, Mudgee.
9. Dickinson, W. & T. C., Yarrowin,  
Brewarrina.
10. Dowling, Vincent James, Lue, Mudgee.
11. Dulhanty & Deakin, Killoola, Peel.
12. Duntroon Estate of the Trustees,  
Duntroon, Queanbeyan.
13. Fastful, W. P., Springfield, Goulburn.
14. Fetherstonhaugh, C., Goorianawa,  
Gulgandra.
15. Gibb, James & Son, Berthong, Wal-  
endbeen.
16. Grant, Lachlan McBean, Butherwah,  
Pana.
17. Hall, Charles Castle, Yeumburra,  
Yass.
18. Horsley, R. F., Representatives of the  
Yabree, Wagga Wagga.
19. Hume, Frederick William, Tarengo,  
Burrowa.
20. Hume, H. R. F., Everton, Rye Park.
21. Loder, Andrew, Colley Creek, Wil-  
low Tree.
22. Mashee, John Charles, Glenmoan,  
Willow Tree.
23. Merriman, George, Ravensworth,  
Yass.
24. Mulholland, George J., Oura Station,  
Wagga Wagga.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 25. Mulholland, Thomas J., Rosewood Park, Wagga Wagga.                      |             |
| 26. Murray, Andrew, Bannockburn, Inverell.                                  |             |
| 27. McCallum, Argyle, Goodhope, Yass.                                       |             |
| 28. Peel River Land & Mineral Co., Ltd.,<br>Goonoo, Goonoo.                 |             |
| 29. Roberts, R. H., Tiverton, Barwang.                                      |             |
| 30. Scott, James Weir, Bogamild, Wari-<br>alda.                             |             |
| 31. Sloane, Alexander, Mulwala Station,<br>Mulwala.                         |             |
| 32. Suckling, J. L., Barsham, Blandford.                                    |             |
| 33. Traill Bros., Llangollen, Cassilis.                                     |             |
| 34. Vivers, William, Administratrix<br>Estate of, Kings Plains, Glen Innes. |             |
| 35. Walker, Henry, Tong Bong, Ry-<br>stone.                                 |             |
| 36. Wilson, S. Son & Co., Lake Cowal,<br>Marsden.                           |             |

## Fleeces, Pure Bred Middle Wools.

37. Allen, E. J., Stoney Creek, Young.
38. Crozier, William D., Horse Shoes,  
Wentworth.
39. Crozier, William, Moorna Station,  
Wentworth.
40. Devlin & Co., Gammair, Wagga  
Wagga.
41. Dowling, Vincent James, Lue, Mudgee.
42. Dulhanty & Deakin, Killoola, Peel.
43. Duntroon Estate, The Trustees of,  
Duntroon, Queanbeyan.
44. Hall, Charles C., Yeumburra, Yass.
45. Harkness, William, Lincluden, Cooma.
46. Horsfall, J. S. & Co., Kerarbury, Nar-  
rander.
47. James & Gray, Kentucky, Corowa.
48. Merriman, George, Ravensworth,  
Yass.
49. Mulholland, George J., Oura, Wagga  
Wagga.
50. Murray, Andrew, Bannockburn, In-  
verell.
51. Scott, James W., Boganmild, Wari-  
alda.
52. Tubbo Estate Co., Ltd., Tubbo, Nar-  
rander.
53. Warby, James E., Billenbah, Narran-  
dera.
54. Watt, Peter Cumming, Goonal, Mo-  
ree.

## Fleeces, Pure Bred Long Wools.

55. Duntroon Estate, Trustees of, Queanbeyan.
56. Murray, Andrew, Bannockburn In-  
verell.

# DEPARTMENT A.—AGRICULTURE.

## Fleeces.

### Fleeces, Cross-Bred.

- Duntroon Estate, The Trustees in  
 Queanbeyan.  
 Deep Creek, Narrabri.  
 Pure Bred Fine and Middle  
 Wool: Non-Competitive.  
 & McDonald Bros., Wanta-  
 ga Wagga.  
 & Gray, Kentucky, Corowa.  
 Geo. J., Oura, Wagga  
 John, Bushfield, Jerilderie.  
 Peter, Tumut.  
 Alexander, Mulwala Station,  
 Estate Co., Ltd., Tubbo, Nar-  
 William, Administratrix of,  
 Glenn Innes.

### Wool in Bales: Non-Competitive.

- J. W., Oakley Creek, Coolah.  
 R., Suffolk Vale, Burrowa.  
 & Co., Murrumbidgee, Bre-  
 W. H., & Bro., Cullubri,  
 F. W., Nocolche Paroo  
 S. & M. H. & Co., Quantam-  
 J. B., Brindley Park,  
 H. S. M., Valehead, Molong.  
 F. B., Benah, Cannonba.  
 C. F., Moorang, Wagga  
 E. B., Bergen-op-Zoom,  
 John, Cooba, Junee Junction.  
 E. M., Wargundy, Gulgong.  
 A. W., & F. N., Yarrowa,  
 William, Little Caragabal,  
 Bros., Buena Buana, Millie.  
 Alexander, Cassilis.  
 W. T., Myall Downs, Glenn  
 Frederick, Yarrahmulla,  
 J. A., Dungalear, Walgett.  
 Mrs. J. B., Jerula, Carcoar.  
 R. Cambalong, Bombala.  
 Henry, Stoneridge, Monteagle.  
 J. K., Gullendaddy, Boggabbri.  
 R., Walgett.

### Exhibit

- No. 93. Cooper, R. C., Willeroo, Tarago  
 94. Coventry, W., Lyndhurst, Armidale  
 95. Cox, Bro., Rawden, Rylstone.  
 96. Cox, G. H., Burundulla, Mudgee.  
 97. Cox, J. D., Cullenbone, Mudgee.  
 98. Crace, E. K., Estate of, Gwinden  
 99. Crain, A. W., Mount Horab, Adel  
 100. Crossley, Stanley, Yarraman Cr  
 ing, Moree.  
 101. Crozier, William, Moorna, W  
 worth.  
 102. Cunningham, A. J., & J. L., Lam  
 Queanbeyan.  
 103. Dalgety & Co., Ltd., Bent St  
 Sydney.  
 104. Dalton Bros., Orange.  
 105. Danger Bros., Gostwyck, Uralla  
 106. Davidson, R., Elong Elong, Dub  
 107. Deans, T., Maderty, Coonabarab  
 108. D'Elboux, L. W., Illume, Ko  
 watha.  
 109. Dight & Mackay, Bulgandran  
 Parkes.  
 110. Dowling, Vincent J., Lue, Mudge  
 111. Duntroon Estate, Trustees of  
 Queanbeyan.  
 112. Eckford, J. W., Mallaraway, r  
 rabri.  
 113. Faithfull, W. P., Springfield, C  
 burn.  
 114. Fetherstonough, C., Goorian  
 Gilgandra.  
 115. Fletcher Bros., Kentucky.  
 116. Friend Bros., Bendesie, Binalom  
 117. Gardiner, W. J., Rouchel, M  
 rundi.  
 118. Garnock Bros., Bukalong, Bomb  
 119. Gibbs, James & Son, Berthong, V  
 tendbeen.  
 120. Gordon, G. H., & H. E. H., Gr  
 Warialda.  
 122. Greene, G. H., Iandra, Grenfell.  
 123. Grogan, W. J., Tammangaroo, Y  
 124. Hall, Charles C., Yeumbarra, Y  
 125. Hanlon, John, Booroorban, Hay  
 126. Harrison & Corscaden, River  
 Forbes.  
 127. Haydon, B., Bloomfield, Blandfo  
 128. Haylock, A., Kingston Park, H  
 129. Hill, J. D., Bogalara, Bookham.  
 130. Horsfall, J. S., Wedgiewa, Na  
 dera.  
 131. Hudson, R., Balala, Uralla.  
 132. Hume, C. L., Castleheads, Burr  
 133. Hume, E. B., Frankfield, Gunnin  
 134. Hume, F. W., Tarengo, Burrow  
 135. Hume, H. R. F., Everton, Rye  
 136. Jackson, A., Derwent Park, n  
 nedah.

## Fleeces.

Exhibit No.	Class'n No.
137. James & Gray, Kentucky, Corowa.	
138. Jaques, W. F., Theribri Boggabri.	
139. Jenkins, G. H., Armidale.	
140. Johnson, J. W., Glenbrook, Cooma.	
141. Jones, E., Cadow, Forbes.	
142. Kelly, J., Cambusdoon, Urana.	
143. Laycock Bros., Terembone, Coonamble.	
144. Litchfield, A. J., Hazeldean, Cooma.	
145. Loder, Andrew, Colley Creek, Willow Tree.	
146. Lowe, E. J., Birriwa, Gulgong.	
147. Magennis, P. J. & Julian Bros., Bopierg, Bookham.	
148. Manchee, J. C., Glen Moan, Willow Tree.	
149. Marsh, C. M., Tallisker, Uralla.	
150. McClintock, J., Frampton, Cootamundra.	
151. McFarland, Young & Co., Myall Creek, Inverell.	
152. McGrath, P., Laags Creek, Burrowa.	
153. McGregor & Tally, Warraweena, Bourke.	
154. McKay, W., Wallendibby, Bombala.	
155. McKeahnie, C. H., Booroomba, Queanbeyan.	
156. McLean, L., Boona West, Condonbain.	
157. McMaster, D., Binnia Plains, Coonah.	
158. Merriman, George, Ravensworth, Pass.	
159. Middleton, A. D., Kalangan, Cunninghamham.	
160. Midwood, Charles, Willoh, Narrandera.	
161. Moffat, J., Yarrowyck, Armidale.	
162. Moore Bros., Moorelands, Moree.	
163. Moses, W. & F. A., Cambadello, Moree.	
164. Mulholland, Geo. J., Qura, Wagga Wagga.	
165. Murray, Andrew, Bannockburn, Inverell.	
166. Namoi Pastoral Co., Ltd., Edgeroi, Narrabri.	
167. Nash, Porteous & Co., Gorah, Coonabarabram.	
168. Officer, C. & S., Kalara, Tilpa.	
169. Osborne, Geo., Foxlow, Bungendore.	
170. Osborne, Hamilton, Bangarroo, Canowindra.	
171. Osborne, P. H., Currandooley, Bungendore.	
172. O'Shannassoy, John, Bustfield Jerildene.	
173. Peel River Land & Mineral Co., Lt'd., Goonoo, Goonoo.	

Exhibit No.	Class'n No.
174. Pengelly, J. K., Tarramen Park Murrurundi.	
175. Rankin, Angus, Estate of, Bombowlee, Tumut.	
176. Richmond & Scott, Gimgie, Walgett.	
177. Robb, John & Co., Talawanta, Brewarrina.	
178. Roberts, R. H., Tiverton, Barwang.	
179. Roberts, R. W., Clifton, Young.	
180. Robinson, J., Kimo, Gundagai.	
182. Ronald, R. B. & Sons, Nap Nap, Hay.	
183. Rouse, Richard, Jr., Biragambil, Mudgee.	
184. Ruthledge Bros., Gidleigh, Bungendore.	
185. Ruthledge Bros., Glenriddle, Barraba.	
186. Ryder Bros., Calga, Coonamble.	
187. Scott, James, Blink Bonnie, Kentucky.	
188. Scott, W. & Co., Terala, Moree.	
189. Shuttleworth, H. W., Cucumgilliga, Cowra.	
190. Simpson, G. M., Stonehenge.	
191. Sloane, Alexander, Mulwala Station, Mulwala.	
192. Smith, E. A., Glenrock Wellington.	
193. Stevenson, Thos. & Co., Narr Allen, Burrowa.	
194. Stewart, D., Kangiara, Tangman-garoo.	
195. Stinson, A., North Berry Jerry, Wagga Wagga.	
196. Suckling, J. L., Barsham, Blandford.	
197. Sullivan, I. P., Coolac.	
198. Sutter, W. H. & Co., Warrangong, Koorawatha.	
199. Taylor, F. G., Terrible Vale, Kentucky.	
200. Tobin, A. & Sons, Wingadee, Coonamble.	
201. Tout, James & Co., Melrose Plains, Forbes.	
202. Traill Bros., Llangollen, Cassilis.	
203. Tunny, James, Spring Park, Young.	
204. Walmsley, Cameron & Co., Tareelari, Moree.	
205. Watt, D. J., Ulinda, Coolah.	
206. Webb, T. S., Executors of, Springfield, Byng.	
207. White Bros., Saumarez, Armidale.	
208. White, F. R., Harben Vale, Blandford.	
209. White, H. E. & V., Beltrees, Scone.	
210. White, H. C., Havilah, Mudgee.	
211. Wilson, S., Son & Co., Lake Cowal, Marsden.	
212. Winter, Irving, Tulcumbah, Carr	

## Liquors, Photographs, Literature, Farm Implements, Soaps, Etc.

Exhibit No.	Class'n No.
213. Wiseman, R. A., Clerkness, Bundarra.	
214. Wyndham, Hugh, Bukkulla, Inverell.	

## GROUP 11.

62. Cousins, Walter Y., Bebeah.	
a Orange wine.	69
b Orange bitters.	71
63. Fiaschi, Thomas, M. D., Sydney.	
a Peach liquor.	69
b Vinegar from wine.	71
64. Genty, L. T., Minto. Rum.	67
65. Levy, Miss Rose., Surry Hills. Mianosa, eucalypti, waratah and native rose liquors.	69
66. Monk, D. J. Alexandria, Sydney. Malt and wine vinegar.	71
67. Oertel, Charles, Sydney. Lemon syrup essence.	69
68. Pollock, Alexander, Nowra.	
a Lime juice and other cordials and syrups.	69
b Orange, hop and aromatic bitters, etc.	70
69. Wilson, E. K., Turramurra.	
a Orange, lemon and ginger wine.	69
b Orange bitters.	70

## GROUP 12.

70. Albury Brewing & Malting Co., Alberty, Albury.	
a Malt.	72
b Ale and stout.	73
71. Australian Brewery & Wine and Spirit Co. (Limited), Waterloo, Sydney.	
a Pale and stout.	72
72. Cranfield, G. A., Young. Ale.	73
73. Katon, E. W. F., Wagga Wagga.	
a Pale and stout.	72
74. Lewis & Co., W. H., Orange. Ale.	73
75. Fisher & Frazer, Grenfell. Ale.	72
76. Lindsay's Brewery Co., Limited. Pale and porter.	73

Exhibit No.	Class'n No.
77. Stevens, J. S., Dubbo. Ale.	
78. Toohy, J. T. & J., Sydney. Ale and stout.	

## GROUP 14.

79. Australian Jockey Club, Sydney. Photographs of the buildings and track of the club at Randwick.	
80. Hawkesbury Agricultural & Pastoral Association, Windsor. Photographs of Hawkesbury show ground.	
81. Hobartville Stud Co., Richmond. Photographs of blood stock.	
82. Reynolds, Frank, Patterson River. Photograph of stallion "Splendor."	
83. Rosehill Racecourse Company (Limited), Sydney. Photograph views of Rosehill racecourse.	

## GROUP 15.

84. Commissioners from New South Wales, Sydney. Pamphlet on agriculture in New South Wales.	
85. Department of Agriculture, Sydney. Agricultural Gazette, bulletins, reports, etc.	

## GROUP 16.

86. Jamieson, Neil, Albury. Double-row plough.	
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## GROUP 17.

87. Sydney Meat Preserving Co. (Limited), Sydney. Fertilizers.	
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## GROUP 18.

88. Mallaby, George C., Armidale. Soap.	
89. Mowbray & Co., Morton Goulburn. Axle grease, black for wool and glue soap.	
90. Sachs, Valentine, Glen Innes. Eucalyptus soap.	
91. Sydney Meat Preserving Co. (Limited), Sydney. Tallow, neatsfoot and tallow oil.	

## ORANGE FREE STATE.

LOCATION—SEC. C.—S. E. QUARTER.

## Miscellaneous.

Collective Exhibit made by the Government.

## DEPARTMENT A.

## GROUP 1.

Exhibit No.	Class'n No.
1. <i>a</i> Varieties of wheat.	1
<i>b</i> Corn (Mielies).	2
<i>c</i> Seed oats.	3
<i>d</i> Barley.	4
<i>e</i> Barley wheat.	7
<i>f</i> Forage.	9
<i>g</i> Flours, meals, grits, decorticated grains, etc.	11

## GROUP 4.

2. Potatoes.	28
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## GROUP 5.

3. Beans and Kaffir corn.	32
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## GROUP 8.

4. <i>a</i> Tobacco.	48
<i>b</i> Cigars.	52

## GROUP 9.

5. Scoured and grease wool in fleeces and bales; Mohair.	60
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## GROUP 17.

6. <i>a</i> Hides, horns, curios, etc.	90
<i>b</i> Ostrich feathers.	91
<i>c</i> Salt.	98

## GROUP 18.

7. Soap.	96
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## DEPARTMENT B.

## GROUP 21.

8. <i>a</i> Varieties of dried fruits.	139
<i>b</i> Canned and preserved fruits.	140
<i>c</i> Jellies, jams, marmalades.	141

## DEPARTMENT C.

## GROUP 86.

Exhibit No.	Class'n No.
9. Stuffed springboks.	236

## DEPARTMENT E.

## GROUP 42.

10. <i>a</i> Collection of mineral ores.	290
<i>b</i> Diamonds, petrified fish, fossils.	291

## GROUP 43.

11. Coal.	292
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## GROUP 48.

12. Salt.	314
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## GROUP 67.

13. Geological Chart.	411
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## DEPARTMENT H.

## GROUP 111.

14. <i>a</i> Varieties of tanned leathers.	697
<i>b</i> Patent leather.	699

## DEPARTMENT M.

## GROUP 161.

15. Implements of war and the chase.	
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## GROUP 162.

16. Tools and instruments of industrial operations.	
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## GROUP 164.

17. Idols, curios, etc.	
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## DEPARTMENT N.

18. Tanning material (Elands Boontje).	117
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## PORTO RICO.

## COLLECTIVE EXHIBIT. LOCATION—SPANISH BUILDING.

## Cereals, Pastes, Sugar, Aromatic Substances.

## GROUP 1.

Exhibit No.	Class'n No.
1. Pesante, J. R. A., Anasco. Rice in the husk.	6

## GROUP 2.

2. Esteva & Co., Ponce. Pastes for soup.	15
3. Ramirez Quinones, Felipe, San German. Starch (of yuca).	16

## GROUP 3.

4. Alomar, Hermanos, Santa Isabel. Sugar, raw.	18
5. Arribas de Canals, Donna Hortensia, Ponce. Sugar, raw and refined.	18
6. Benitez Guzman, Jose, Vieques. Sugar, raw.	18
7. Bird y Leon, Modesto, Patillas. Sugar, raw.	18
8. Blasini, Sucesion, Yauco. Sugar, raw.	18
9. Cabrera, Carlos, Santa Isabel. Sugar, raw.	18
10. Cintron, Hermanos, Yabucoa. Sugar, refined.	18
11. Davild, Federico, Cabo-Rojó. Sugar, raw.	18
12. Diaz Yglaz, Ignacio, Guayama. Sugar, raw.	18
13. Doittan, Carlos, Mayaguez. Sugar, raw.	18
14. Estape y Rodriguez, Juan, Ponce. Sugar, raw.	18
15. Ezquiaga (Sobrinos de), Carolina. Sugar, refined.	18
16. Gallart, Jose, Ponce. Sugar, raw and refined.	18
17. Inigo, Fermin, Anasco. Sugar, raw.	18
18. Monagas Pesante, Carlos, Hormigueros. Sugar, raw.	18
19. Pagan, Juan Btd, Anasco. Sugar, refined.	18
20. Serralles, Juan, Ponce. Sugar, raw and refined.	18
21. Soler, Gerardo, Toa-Baja. Sugar, raw and refined.	18
22. Vallecillo, Cristobal, Yabucoa. Sugar, raw.	18
23. Velez, Joaquin, Anasco. Sugar.	18

## GROUP 8.

Exhibit No.	Class'n No.
24. Alonso Menendez, Juan, Yauco. Coffee.	45
24a. Alvarado, Pascasio, Juana Diaz. Tobacco in leaf.	48
24b. Amill, Antonio, Maricao. Coffee.	45
25. Arana (Sucesion de), Lares. Coffee.	45
25a. Arramburo, Antonio, Anasco. Anotta.	47
27. Arroyo, Pablo, Ponce. Coffee and chocolate.	45
28. Ballesteros de Blanch, Donna Isabel, Mayaguez. Coffee.	45
29. Bernat & Co., Yauco. Coffee.	45
29a. Bird, Modesto, Patillas. Tobacco in leaf.	48
30. Blanco, Jose, Utuado. Coffee.	45
31. Cardí, Louis, Maricao. Coffee.	45
31a. Casals, Luis, Ponce. Cigars and snuff.	52
32. Castanez, Hermanos, Yauco. Coffee.	45
32a. Cheverri, Mariano, Yauco. Coffee.	45
33. Cordoves Berrios, Luis, Maricao. Coffee and anotta.	45
34. Diaz, Jose, Cayey. Coffee.	45
35. Diez Gonzalez, Antonio, Anasco. Coffee.	45
36. Dorado & Co. (Sucesores de), S. Juan, Porto-Rico. Chocolate.	45
37. Figueroa, Jose R., Juana Diaz. Coffee.	45
38. Fitle, Lunt & Co., Ponce. Coffee.	45
39. Fonte, Ramon, Cayey. Coffee.	45
40. Frontera, Ramon, Maricao. Coffee.	45
40a. Garcia Hermanos, Isabela. Cigars.	52
41. Gomez, Ricardo, Mayaguez. Coffee.	45
43. Javierre, Antonio L., Maricao. Coffee.	45
44. Joy y Colon, Lorenza, Ciales. Coffee and anotta.	45
45. Leon, Francisco A., Coamo. Coffee.	45
46. Lluch, Francisco A., Yauco. Coffee.	45
46a. Lopez Alvarado, Hermanos, Cayey. Tobacco in leaf.	48

## Aromatic Substances, Mineral Waters, Liquors.

Exhibit No.	Class'n No.
47. Mariani, Domingo, Yauco. Coffee.	45
48. Maricao (Ayuntamiento de), Maricao. Cocoa.	45
49. Maristani, Antonio, Las Marias. Coffee.	45
50. Martinez, Alejo, Maricao. Coffee.	45
51. Martinez, Isaac, Mayaguez. Coffee.	45
51a. Mary Hermanos, S. German. Anotta and cocoa.	45
52. Mayol, Bartolome, Utuado. Coffee and cocoa.	45
54. Mejia y Rodriguez, Francisco, Yauco. Coffee.	45
55. Miro y Pico, Jaime, Maricao. Coffee.	45
56. Moral Gonzalez & Co., Mayaguez. Coffee.	45
57. Orraca, Ramon, Cayey. Coffee.	45
58. Ortiz, Miguel, Juana Djaz. Coffee.	45
59. Pagan (Van de), Moca. Coffee.	45
60. Pietri, Hermanos, Aduantos. Coffee.	45
61. Puigmiro, Remigio, Maricao. Coffee.	45
62. Rivera, Julian, Coamo. Coffee.	45
63. Rivera, Manuel Belen, Utuado. Coffee.	45
64. Rodriguez, Hermanos, Yauco. Coffee.	45
65. Roses & Co., Arecibo. Coffee.	45
66. Rossi y Guerra, Pedro, S. German. Coffee.	45
67. Ruiz de Quevedo, Benito, Utuado. Coffee.	45
67a. Sanchez, Hermanos, Comerio. Cigars.	52
68. Santiago, Jose E., Aibonito. Coffee.	45
68a. Schulze & Co., Mayaguez. Coffee.	45
69. Solivellas, Lucas, Yauco. Coffee.	45
70. Suan Mulet, Pedro, Lares. Coffee.	45
72. Tornabels, Hermanos, Mayaguez. Coffee.	45
73. Valle, Koppisch & Co., Aguadilla. Coffee.	45
74. Vazquez, Juan F., Adjuntos. Coffee.	45
75. Zuzuarregui, Luis, Maricao. Coffee.	45

## GROUP 9.

36. Joy y Colon, Lorenzo, Ciales. Cotton on the stalk.	53
37. Mary, Hermanos, S. German, Miraguano.	59

## GROUP 10.

Exhibit No.	Class'n No.
88. Catoni y Colon, Mariano, Juana Diaz. Mineral water.	64

## GROUP 11.

89. Almodovar, Eulogio, Sabana Grande. Distilled spirits.	67
90. Aponte, Mannel, Coamo. Rum of cane.	67
91. Arribas de Canals, Donna Hortensia, Ponce. Rum of cane.	67
92. Baralt, Manuel, Fajardo. Distilled spirits.	67
93. Benitez Guzman, Jose, Vieques. Distilled spirits.	67
94. Blasini (Sucesion de), Yauco. Rum of cane.	67
95. Calsen, Francisco, Ponce. Rum of cane.	67
96. Cerra (Sucesion de), Fajardo. Rum of cane.	67
97. Clauzels, Arroyo. Rum of tabasco pepper.	67
98. Diaz Yoglaz, Ignacio, Guayama. Rum of cane.	67
99. Domenech, Luis, Ponce. Rum of cane.	67
100. Dominguez, Celestino, Guayama. Distilled spirits.	67
101. Estape y Rodriguez, Juan, Ponce. Rum of cane.	67
102. Ezquiaga (Sobrinos de), Carolina. Rum of cane.	67
103. Gallard, Jose Ponce. Rum of cane.	67
104. Gatell, Jose M., Yauco. Distilled spirits.	67
105. Gatell, Pedro F., Mayaguez. Distilled spirits.	67
106. Giol y Texidor, Francisco, Ponce. Distilled spirits.	67
107. Gonzales de Barnes, Donna Dolores, Ponce. Distilled spirits.	67
108. Hau, Buenaventura, Mayaguez. Rum of cane.	67
109. Lamboglia, Juan, Guayama. Rum of cane.	67
110. Legrand, Federico F., Utuado. Rum of cane.	67
111. Lopez, Julio, Yauco. Rum of cane.	67
112. Lopez, Manuel (chico), Lares. Rum of cane.	67
113. Marin, Juan, Arecibo. Rum of cane.	67
114. Mestre y Mora, Salvador, Mayaguez. Rum of cane.	67
115. Monagas, Carlos F., Mayaguez. Rum of cane.	67

**GROUP 15.**

1. Name, Fernando, S. [unclear]  
2. On ginger, 2. [unclear]

1. BOLDP 17.

maaga, Jose Ramon, Trujillo alto  
-ates, super-ates, post-ates, etc.

200 7 Quintanilla, Mayaguez  
states, super-phosphate

Atala, Dora Contreras, Mayaguez

..BONP 15.

Maestros de Blanch, Donna Isa  
... de wax.

... Cabo-Rojó. Crude wax

**'DEPARTMENT B**

ГБОУ Р 21.

Castro, Caguin, Guayama.

7 Betancourt, Jose, Mayor

~~Edward~~ Preston, Ponce, Gray

At. Arturo, Ponce.

... 100% pineal gland, per...

## DEPARTMENT OF

**GROUP 5:**

W. H. & Co., Ponce. Baisan

3 - Mr. J. E. Guayana. Oran.

1. James, Manuel Guayama, Esq.

... WALTER C. CROSBY, Chairman

Don. JUAN E. CUESTO, GUAYAMA

Генерал-майор Г. А. Гаврилов

James E. Poore Pharm.

James F. McGowan Case

100-443889-1

Druggists' Supplies, Straw Goods, Canes, Etc.

Exhibit No.	Class'n No.
170. Gioly Texidor, Francisco, Ponce.	
Pharmaceutical preparations.	547
171. Guio, Francisco, Mayaguez.	Soap. 549
172. Legrand, Federico, Utuado.	Pharmaceutical preparations.
	547
173. Martinez, Zeno, Domingo, Utuado.	Pharmaceutical preparations.
	547
174. Monagas, Carlos F., Mayaguez.	Pharmaceutical preparations.
	547
175. Monclova, Hermanos, Rio Piedra.	Florida water.
	549
176. Monclova, Jose F., Rio Piedra.	Pharmaceutical preparations.
	547
177. Porrata, Fernandez, Guayama.	Essential oil of malagueta.
	549
178. Ramos, Francisco R., Ponce.	Pharmaceutical preparations.
	547
179. Rival, Sebastian, Aguadilla.	Pharmaceutical preparations.
	547
180. Rodriguez, Pedro F., Yauco.	Pharmaceutical preparations.
	547
181. Serra y Urgell, Juan, Juana Diaz.	Pharmaceutical preparations.
	547
182. Shillet, Donna Clara, Ponce.	Pharmaceutical preparations.
	547
183. Torregrosta, Luis A., Aguadilla.	Pharmaceutical preparations.
	547
184. Vazquez, Demetrio, Ponce.	Pharmaceutical preparations.
	547

GROUP 104.

185. Cabrer, Juan, Ponce.	Straw hats.
	654
186. Nunez, Jose M., Arecibo.	Straw hats.
	654

GROUP 108.

187. Franqui, Domingo, Cabo-Rojo.	Canes of wood.
	681

GROUP 121.

188. Linn, A., Sucesor de Moris, S. Juan	Porto Rico. Miscellaneous articles.
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DEPARTMENT L.

GROUP 150.

Exhibit No.	Class'n No.
189. Alvarez Perez, Enrique, S. Juan	Porto Rico. Books, etc.
	548
190. Diaz Caneja, Ignacio, S. Juan	Porto Rico. Political studies.
	854
191. Tenes, Manuel, S. Juan	Porto Rico. Geographies, universal and of Spain.
	854

GROUP 158.

192. Franqui, Domingo, Cabo-Rojo.	Hand organ.
	935

DEPARTMENT M.

GROUP 159.

193. Ayuntamiento de Mayaguez.	Stone hatchets.
	940
194. Ballesteros de Blanch, Donna Isabel.	Stone hatchet.
	940

GROUP 161.

195. Masferrer, Joaquin, Mayaguez.	A sword of the XV century.
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GROUP 164.

196. Ayuntamiento de Mayaguez.	Idols of stone.
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DEPARTMENT N.

197. Barald, Mannel, Fajardo.	Sections of trees and samples of wood.
	99
198. Junta Central de la Exposicion Universal de Chicago en Porto Rico.	Collection of woods, 150 classes.
	99

## RUSSIA.

## LOCATION—SEC. D—S. W. QUARTER.

## Cereals, Grasses and Forage Plants.

GROUP 1.		Exhibit	
Exhibit No.	Class'n No.	No.	
1. Agricultural Experimental Station of Petrovsk, Moscow.		<i>c</i> Buckwheat.	
<i>a</i> Wheat.	1	<i>d</i> Forage plants.	
<i>b</i> Oats.	3	15. Experimental Farm of Kharkov (Istry of State Domains.)	
2. Agricultural School of Uman.		<i>a</i> Wheat.	
<i>a</i> Wheat.	1	<i>b</i> Oats.	
<i>b</i> Corn.	2	<i>c</i> Rye.	
<i>c</i> Barley.	4	<i>d</i> Buckwheat.	
<i>d</i> Buckwheat.	7	<i>e</i> Forage plants.	
<i>e</i> Grasses.	8	16. Frolov.	
3. Association of Rural Colonies of the former estate of Count Kitzky.		<i>a</i> Wheat.	
Wheat.	1	<i>b</i> Oats.	
4. Baranov. Flour.	11	<i>c</i> Rye.	
5. Beliaevsky.		<i>d</i> Buckwheat.	
<i>a</i> Wheat.	1	<i>e</i> Flours.	
<i>b</i> Barley.	4	17. Galunov. Flour.	
<i>c</i> Rye.	5	18. Gailov. Forage Plants.	
6. Berend.		19. Gursky.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	
<i>b</i> Oats.	3	<i>b</i> Rye.	
<i>c</i> Grasses.	8	20. Khakhlov.	
<i>d</i> Flour.	11	<i>a</i> Wheat.	
7. Berg, Count. Rye.	5	<i>b</i> Oats.	
8. Bonetsky. Wheat.	1	<i>c</i> Rye.	
9. Branitzky, Count. Barley.	4	<i>d</i> Buckwheat.	
10. Bunakov. Flour.	11	21. Khrapovitsky, Count. Grasses.	
11. Caucasus Agricultural Society.		22. Kleinmichel, Count. Oats.	
<i>a</i> Wheat.	1	23. Kotarbinsky. Grasses.	
<i>b</i> Corn.	2	24. Kozlovsky.	
<i>c</i> Rice.	6	<i>a</i> Wheat.	
<i>d</i> Buckwheat.	7	<i>b</i> Rye.	
12. Elets Zemstvo.		25. Krasinsky, Count. Barley.	
<i>a</i> Wheat.	1	26. Kronenberg. Wheat.	
<i>b</i> Oats.	3	27. Kurovsky. Rye.	
<i>c</i> Rye.	5	28. Lenartovich. Wheat.	
<i>d</i> Flours, meals, etc.	11	29. Liberman. Flour.	
13. Experimental Farm of Gorets (Ministry of State Domains.)		29a. Lisitsyn.	
<i>a</i> Wheat.	1	<i>a</i> Rye.	
<i>b</i> Oats.	3	<i>b</i> Wheat.	
<i>c</i> Rye.	5	<i>c</i> Oats.	
<i>d</i> Forage plants.	9	<i>d</i> Barley.	
14. Experimental Farm of Kazan (Ministry of State Domains.)		30. Lubensky. Oats.	
<i>a</i> Oats.	3	31. Mansfeld. Flours and grits.	
<i>b</i> Rye.	5	33. Mariinsk Experimental Farm (Ministry of State Domains.)	
		<i>a</i> Wheat.	
		<i>b</i> Oats.	
		<i>c</i> Rye.	

## Cereals, Pastes, Sugars.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
<i>d</i> Buckwheat.	7	<i>d</i> Buckwheat.	9
<i>e</i> Forage plants.	9	<i>e</i> Forage plants.	7
33. Moller.		48. Stroganov, Count.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	1
<i>b</i> Barley.	4	<i>b</i> Oats.	3
<i>c</i> Rye.	5	<i>c</i> Rye.	5
34. Nicolaev Board of Trade.		49. Taldykin.	
<i>a</i> Wheat.	1	<i>a</i> Wheat.	1
<i>b</i> Oats.	3	<i>b</i> Flour.	11
<i>c</i> Rye.	5	50. Tchumakoff Sons. Flour.	11
35. Novo Alexandrovsky Institute.		51. Tereshtchenko, N. A. Wheat.	1
<i>a</i> Wheat.	1	52. Tereshtchenko, T. A.	
<i>b</i> Oats.	3	<i>a</i> Wheat.	1
<i>c</i> Barley.	4	<i>b</i> Rye.	5
<i>d</i> Rye.	5	<i>c</i> Forage plants.	9
<i>e</i> Buckwheat.	7	53. Turbin.	
<i>f</i> Forage plants.	9	<i>a</i> Wheat.	1
36. Odessa Board of Trade.		<i>b</i> Rye.	5
<i>a</i> Wheat.	1	<i>c</i> Buckwheat.	7
<i>b</i> Corn.	2	<i>d</i> Forage plants.	9
<i>c</i> Rye.	5	53a. Turkestan, Governor-General of.	
37. Ofrosimov.		<i>a</i> Wheat.	1
<i>a</i> Wheat.	1	<i>b</i> Oats.	3
<i>b</i> Buckwheat.	7	<i>c</i> Barley.	4
<i>c</i> Forage plants.	9	<i>d</i> Rice.	6
38. Okhenkovsky. Barley.	4	54. Ufa Provincial Museum.	
39. Petrovsky Agricultural Academy.		<i>a</i> Wheat.	1
<i>a</i> Wheat.	1	<i>b</i> Oats.	3
<i>b</i> Oats.	3	<i>c</i> Rye.	5
<i>c</i> Barley.	4	<i>d</i> Buckwheat.	7
<i>d</i> Rye.	5	55. Ukhin. Wheat.	1
<i>e</i> Buckwheat.	7	56. Weinstein. Flour.	11
<i>f</i> Forage plants.	9	57. Weiss.	
40. Pototzky, Countess.		<i>a</i> Wheat.	1
<i>a</i> Wheat.	1	<i>b</i> Flour.	11
<i>b</i> Oats.	3	58. Wydzhga.	
<i>c</i> Rye.	5	<i>a</i> Buckwheat.	7
41. Riga Board of Trade.		<i>b</i> Forage plants.	9
<i>a</i> Wheat.	1	59. Yanash.	
<i>b</i> Rye.	5	<i>a</i> Wheat.	1
42. Rostov Board of Trade.		<i>b</i> Rye.	5
<i>a</i> Wheat.	1	60. Zakrzhevsky. Buckwheat and other grains.	7
<i>b</i> Rye.	5	61. Zhuravsky.	
<i>c</i> Buckwheat.	7	<i>a</i> Wheat.	1
43. Satin.		<i>b</i> Barley.	4
<i>a</i> Wheat.	1	<i>c</i> Rye.	5
<i>b</i> Oats.	3		
<i>c</i> Rye.	5		
<i>d</i> Buckwheat.	7		
<i>e</i> Forage plants.	9		
44. Schmidt Brothers.			
<i>a</i> Wheat.	1		
<i>b</i> Flour.	11		
45. Sinadino. Wheat.	1		
46. Sabeszin. Wheat.	1		
47. Stebnock-Fermor, Count.			
<i>a</i> Wheat.	1		
<i>b</i> Oats.	3		
<i>c</i> Barley.	4		

## GROUP 2.

62. Bitrich. Gingerbread and pastry.	12
62a. Ministry of War. Apparatus for testing flour.	12
63. Rostovtsev. Potato starch.	16
64. Weiss. Macaroni.	15

## GROUP 3.

65. Agricultural Museum of St. Petersburg. Bee keeping appliances.	26
66. Balashev. Beet root sugar.	20

## Sugar, Root Crops, Farm Products, Aromatic Substances.

Exhibit No.		Class'n No.
67.	Bolotnikov. Beeswax, appliances.	26
68.	Botkin Bros. Beet root sugar.	20
69.	Chief Administration of Crown Lands. Beet root sugar.	20
70.	Khakhlov. Honey and bee-keeping appliances.	26
71.	Kharkov Sugar Refinery. Beet root sugar.	20
72.	Kurduinov. Beet root sugar.	20
73.	Lomokin. Honey and bee-keeping appliances.	26
74.	Russian Society of Apiculture. Bee hive.	26
75.	Ryzhev. Beet root sugar.	20
76.	Tereshtchenko Bros. Beet root sugar.	20
77.	Tereshtchenko, N. A. Beet root sugar.	20
78.	Tereshtchenko, T. A. Beet root sugar.	20
79.	Tolstoi, Count. Beet root sugar.	20
80.	Vrublevsky. Confectionery.	27

## GROUP 4.

81.	Administration of Crown Lands. Sugar beets.	29
82.	Agricultural School of Uman. a Sugar beets. b Carrots, turnips, etc.	29 30
83.	Association of Rural Colonies. Sugar beets.	29
84.	Dobryansky. a Sugar beets. b Carrots, turnips, etc.	29 30
85.	Dzengelevsky. Sugar beet.	29
86.	Frytch. a Sugar beets. b Carrots, turnips, etc.	29 30
87.	Glusky. Sugar beets.	29
88.	Grandenwitz. a Sugar beets. b Carrots, turnips, etc.	29 30
89.	Malzel. Sugar beets.	29
90.	Tereshtchenko, T. A. Sugar beets.	29
91.	Yanash. Sugar beets.	29

## GROUP 5.

92.	Agricultural Farm of Kharkov. Beans, peas, etc.	32
93.	Association of Rural Colonies. Peas.	32
94.	Bellavsky. Peas.	32
95.	Khrapovitzky, Count. Peas.	32
96.	Mariinsk Agricultural Farm. Peas.	32
97.	Novo-Alexandrovy Institute. Beans.	32
98.	Novo-Alexandrovy Institute. Beans.	32
99.	Novo-Alexandrovy Institute. Beans.	32
100.	Novo-Alexandrovy Institute. Beans.	32
101.	Novo-Alexandrovy Institute. Beans.	32
102.	Novo-Alexandrovy Institute. Beans.	32
103.	Novo-Alexandrovy Institute. Beans.	32
104.	Novo-Alexandrovy Institute. Beans.	32
105.	Novo-Alexandrovy Institute. Beans.	32
106.	Novo-Alexandrovy Institute. Beans.	32
107.	Novo-Alexandrovy Institute. Beans.	32
108.	Novo-Alexandrovy Institute. Beans.	32
109.	Novo-Alexandrovy Institute. Beans.	32
110.	Novo-Alexandrovy Institute. Beans.	32
111.	Novo-Alexandrovy Institute. Beans.	32
112.	Novo-Alexandrovy Institute. Beans.	32
113.	Novo-Alexandrovy Institute. Beans.	32
114.	Novo-Alexandrovy Institute. Beans.	32
115.	Novo-Alexandrovy Institute. Beans.	32
116.	Novo-Alexandrovy Institute. Beans.	32
117.	Novo-Alexandrovy Institute. Beans.	32
118.	Novo-Alexandrovy Institute. Beans.	32
119.	Novo-Alexandrovy Institute. Beans.	32
120.	Novo-Alexandrovy Institute. Beans.	32
121.	Novo-Alexandrovy Institute. Beans.	32
122.	Novo-Alexandrovy Institute. Beans.	32
123.	Novo-Alexandrovy Institute. Beans.	32
124.	Novo-Alexandrovy Institute. Beans.	32
125.	Novo-Alexandrovy Institute. Beans.	32
126.	Novo-Alexandrovy Institute. Beans.	32
127.	Novo-Alexandrovy Institute. Beans.	32
128.	Novo-Alexandrovy Institute. Beans.	32

Exhibit No.		Class'n No.
100.	Petrovsk Academy. Bean plants.	32
101.	Pototzky, Countess. Peas.	32
102.	Satin. Beans, peas, etc.	32
103.	Stroganov, Count. Peas.	32
104.	Wyzhga Peas.	32

## GROUP 6.

105.	Roman. Hams.	32
106.	Stroganov, Count. Hams.	32
107.	Tuoria. Canned meats.	32

## GROUP 7.

108.	Vereshtchagin. a Apparatus and methods of treating milk and cream. c Dairy fittings and appliances.	32
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## GROUP 8.

109.	Aslanidi. a Chewing and smoking tobacco. b Cigars, cigarettes, etc.	32
110.	Bogdanov. a Tobacco in the leaf. b Tobacco. c Cigars, cigarettes, etc.	32
111.	Borman. Coffee.	32
112.	Bragin. Hops.	32
113.	Djigit. a Tobacco. b Cigars, cigarettes, etc.	32
114.	Experimental Farm of Kazan. Hops.	32
115.	First hop Cultivating Society. Hops.	32
116.	Kleinmichel, Count. Hops.	32
117.	Klenevsky. Hops.	32
118.	Kronenberg. Hops.	32
119.	Krupar. Hops.	32
120.	Kushnarev. a Tobacco. b Cigars, cigarettes, etc.	32
121.	Mirzabekianz Bros. a Tobacco. b Cigars, cigarettes, etc.	32
122.	Muratshav and Nazarov. a Tobacco. b Cigars, cigarettes, etc.	32
123.	Novo-Alexandrovy Institute. Hops.	32
124.	Perlov. Tea.	32
125.	Perlov, B. & Sons. Tea.	32
126.	Safarov. a Tobacco in the leaf. b Chewing and smoking tobacco. c Cigars and cigarettes.	32
127.	Selivanov. Chicory.	32
128.	Shereshevsky. a Tobacco. b Cigars, cigarettes, etc.	32

## Aromatic Substances, Animal and Vegetable Fibres, Liquors.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
129. Sinadino.		161. Blossfeld.	
<i>a</i> Tobacco.	51	<i>a</i> Vodka.	66
<i>b</i> Cigars, cigarettes, etc.	52	<i>b</i> Cordials and liqueurs.	69
130. Theodosiev. Tobacco in the leaf.	48	<i>c</i> Bitters, etc.	70
131. Tshumakovs Bros. Tobacco.	51	162. Bogatyrev. Vodka.	66
132. Turshu.		163. Bollman.	
<i>a</i> Tobacco in the leaf.	48	<i>a</i> Vodka.	66
<i>b</i> Tobacco.	51	<i>b</i> Bitters, etc.	70
<i>c</i> Cigars, cigarettes, etc.	52	164. Chaplinsky. Cordials and liqueurs.	69
133. Victorson. Cigarette paper.	49		
134. Volchansky. Tobacco.	51	164a. Danitov.	
135. Vrublevsky. Chocolate.	45	<i>a</i> Vodkas.	66
136. Weiss. Chicory.	45	<i>b</i> Bitters.	70
137. Zaritsky.		164b. Gothard, Martini.	
<i>a</i> Tobacco.	51	<i>a</i> Vodkas.	66
<i>b</i> Cigars, cigarettes, etc.	52	<i>b</i> Alcohol.	68
		<i>c</i> Cordials.	69
		<i>d</i> Bitters.	70
GROUP 9.		165. Iohn.	
138. Berend.		<i>a</i> Vodka.	66
<i>a</i> Hemp and flax.	59	<i>b</i> Bitters, etc.	70
<i>b</i> Wool.	60	166. Lange.	
138a. Caucasus Agricultural Society. Cotton.	58	<i>a</i> Vodka.	66
139. Deviashev. Wool.	60	<i>b</i> Alcohol.	68
140. Experimental Farm of Kharkov. Wool in the fleece.	60	<i>c</i> Bitters, etc.	70
142. Fofonov. Wool.	60	167. Mariinsky Distillery Co.	
143. Kashin. Flax.	59	<i>a</i> Vodka.	66
144. Kletnev. Models of machinery for working flax.	59	<i>b</i> Alcohol.	68
145. Krivsky. Wool.	60	168. Megvinov.	
146. Lutov. Flax.	59	<i>a</i> Vodka.	66
147. Melkonov-Ezekov. Wool.	60	<i>b</i> Rum.	67
148. Minder. Wool.	60	<i>c</i> Cordials and liqueurs.	69
149. Petrovsky Academy. Wool.	60	169. Natus.	
150. Pleshanov. Flax.	59	<i>a</i> Vodka.	66
151. Pridonov. Wool.	60	<i>b</i> Cordials and liqueurs.	69
152. Pskov Agricultural Society. Flax.	59	169a. Petrov.	
153. Shavrov. Sericultural collections.	61	<i>a</i> Vodkas.	66
154. Shishkov. Flax.	59	<i>b</i> Bitters.	70
155. Schweitzer. Hemp.	59	170. Rabotkin. Vodka.	66
155a. Stenbock-Fermor, Count. Wool in the fleece.	60	171. Roger.	
6 Sathov. Flax.	59	<i>a</i> Vodka.	66
7 Troitzky School. Flax.	59	<i>b</i> Cordials and liqueurs.	69
159a. Turkestan, Governor-General of Cotton.	53	<i>c</i> Bitters.	70
		172. Saradjev.	
		<i>a</i> Vodka.	66
		<i>b</i> Cordials and liqueurs.	69
GROUP 10.		172a. Serebriakov Bros.	
151. Lanin.		<i>a</i> Vodkas.	66
<i>a</i> Artificial mineral water	64	<i>b</i> Cordials.	69
<i>b</i> Aerated waters.	65	173. Shereshevsky.	
		<i>a</i> Vodka.	66
GROUP 11.		<i>b</i> Alcohol.	68
159. Avanesov. Vodka.	66	174. Smetanian.	
160. Balk.		<i>a</i> Vodka.	66
<i>a</i> Vodka.	66	<i>b</i> Rum.	67
<i>b</i> Bitters, etc.	70	<i>c</i> Cordials and liqueurs.	69



## Fats and Oils.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
230. Shishkov. Oleaginous seeds.	95	235. Troitzky School. Oleaginous seeds.	95
231. Skvortzov. Sunflower seed oil.	95		
232. Stroganov, Count. Oleaginous seeds.	95	236. Ufa Provincial Museum. Oleaginous seeds.	95
233. Suntsov, Brothers.		237. Vaag. Oils.	95
a Soap.	96	238. Voronin. Oleaginous seeds.	95
b Candles.	97	239. Zhukov.	
234. Stenbock-Fermor, Count. Oleaginous seeds.	95	a Soap.	96
		b Candles.	97

## SPAIN.

## LOCATION—SEC. B.—N. W. QUARTER.

## Cereals, Grasses and Forage Plants.

## GROUP 1.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Agricultural Society, Valls. Corn.	2	14. Huerta Martinez, Joaquin, Albacete. Summer wheat.	1
2. Alonso del Moral, Vicente, Salamanca.		15. Humanes Combelo, Julian, Lominchar. Wheat.	1
a Summer, red and winter wheat.	1	16. Ibanez, Angel, Mira. Corn.	2
b Oats.	3	17. Jaramilla y Ruiz de Alarcon, Juan Jose, Carrascosa del Campo. Summer wheat.	1
c Barley.	4	18. Magrina de Lopez, Mariano, Villalonga. Corn.	2
d Rye.	5	19. Mangrane e Hijos de Guix, Tarragona. Wheat flour, cracked wheat, cleaned wheat.	11
3. Arribas, Felipe, Villar de Domingo Garcia. Dry summer wheat.	1	20. Martinez Baldo, Domingo, Villa Mediana. Barley.	4
4. Blanco Sanchez, Manuel, Salamanca. Summer wheat.	1	21. Masso Tebar, Natalio, Albacete. Wheat.	1
5. Calderon e Hijo, Valentin, Palencia. Wheat flour.	11	22. Neira, Juan Bautista, Cerezal. Hay.	8
6. Coll de Baldrich, Juan Ramon, Valls. Corn.	2	23. Parras, Enrique, Albacete. Wheat.	1
7. Fernandez de la Devesa, Clemente, Salamanca.		24. Penalver, Eustaquio, Chillaron de Cuenca. Barley.	4
a Wheat.	1	25. Pimango, Nemesio, Albacete.	
b Rye.	5	a Wheat.	1
8. Fernandez e Hijos, Vinde de L. Medina del Campo.		b Corn.	2
a Wheat.	1	26. Ramirez, Alonzo, Albacete. Hard wheat.	1
b Barley.	4	27. Rioseco, Village of, Soria. Wheat.	1
c Rye.	5	28. Serrano, Felix, Sajazarra.	
9. Fernandez y Cosmen, Victoriano, Los Naranjales. Wheat.	1	a Wheat.	1
10. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife. Wheat flour.	11	b Corn.	2
11. Garcia, Diego, Guadalajara. Summer wheat.	1	c Barley.	4
12. Giraldo Crespo, Eusebio, Medina del Campo.		29. Soria Local Commission, Soria.	
a Wheat.	1	a Wheat.	1
b Barley.	4	b Oats.	3
c Rye.	5		
13. Hernandez, Saturio, Buitrago.			
a Wheat.	1		
b Barley.	4		

## Cereals, Pastes, Farm Products, Food Preparations.

Exhibit No.	Class No.
30. Uluargui y Ochoa, Eusebio, Logrono.	
a Wheat.	1
b Corn.	2
c Oats.	3
d Barley.	4
31. Villanueva y Canedo, Luis, Badajoz.	
Wheat.	1

## GROUP 2.

32. Castello y Vila, Francisco, Arenys de Mar.	15
Soup pastes.	
33. Clot, Juan J., Madrid.	15
Soup pastes.	
34. Fidalgo Perez, Gregorio, Badajoz.	18
Cakes.	
35. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife.	16
Arrow-root.	
36. Ladoyer y Metge, San Pedro de Premia.	16
Tapioca.	
37. Marco Soriano, Juan, Villena.	14
Crackers.	
38. Mirat e Hijo, Salamanca.	
a Soup pastes.	15
b Wheat and rice starch.	16

## GROUP 3.

39. Diaz, Gallo, Cardenete.	26
Honey.	
40. Ferrer y Gili, J., Barcelona.	27
Fruit confections, etc.	
41. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife.	26
Honey.	
42. Garcia Luque, Mariano, Toledo.	27
Confections.	
43. Marco Soriano, Juan, Villena.	27
Confections.	
44. Mira Espi, Luis, Gijona.	27
Confectionery.	
44a. Monerris e Hijo, Antonio, Gijona.	27
Nougat and almonds.	
45. Monserrat y Hijo, Juan, Reus.	27
Confectionery.	
46. Puzзини Hermanos, Cordoba.	18
Syrup of orange flowers.	
47. Segovia, Julian, Carrascosa de la Sierra.	26
Honey.	
48. Velasco Barba, Jose de, Almendralejo.	27
Confectionery.	

## GROUP 4.

49. Berlanga de Duero, Village of, Soria.	28
Potatoes.	
50. Lober, Town of, Lugo.	28
a Potatoes.	28
b Beets.	29

## GROUP 5.

51. Alemany Gil. S., Tarragona.	32
Vetches.	
52. Alonso del Moral, Vicente, Salamanca.	32
Chick peas and vetches.	

Exhibit No.	Class No.
53. Bello y Gil, Jose, Logrono.	32
peas and French beans.	
54. Fernandez de la Devesa, Clemente, Medina del Campo.	32
Chick peas and vetches.	
55. Fernandez e Hijos, Viuda de L, Medina del Campo.	32
Chick peas and vetches.	
56. Giraldo Crespo, Eusebio, Medina del Campo.	32
Chick peas.	
57. Magrina de Lopez, Mariano, Villalonga.	32
Red vetches.	
58. Magrina y Suner, Antonio de, Tarragona.	32
Vetches.	
59. Marin Casales, Eduardo, Valencia.	32
Vetches.	
60. Mirat e Hijo, Salamanca.	32
Chick peas.	
61. Orovio, Manuel de, Tarragona.	32
Vetches.	
62. Querol y Bofarull, Fernando de, Tarragona.	32
Vetches.	
63. Satorr As y Villanova, Antonio, Tarragona.	32
Vetches.	
64. Serrano, Felix, Sajazarra.	32
Beans.	
65. Uluargui y Ochoa, Eusebio, Logrono.	32
Beans.	
66. Villanueva y Canedo, Luis, Badajoz.	32
Chick peas.	

## GROUP 6.

67. Caamano y Compania, J., Coruna.	36
Canned meats, etc.	
68. Flores Saurat, Benito, Garrovillas de Alcovetar.	37
Sausages.	
69. Goday, Juan, Villanueva de Arosa.	36
Sardines, etc.	
70. Ladoyer y Metge, San Pedro de Premia.	36
Anchovies.	
71. Lober, Town of, Lugo.	34
Hams.	
72. Puig y Llagostera, Francisco, Barcelona.	36
Anchovies.	
72a. Soler Malet, Pedro, Organa.	36
Sausages.	

## GROUP 7.

73. Fernandez Rodriguez, Jacinto, Villarrobledo.	43
Cheese.	
74. Garcia y Garcia, Manuel, Cerezal.	42
Butter.	
75. Neira, Juan Bautista, Cerezal.	43
Cheese.	
76. Villalba, Town of, Lugo.	43
Cheese.	

## GROUP 8.

77. Aguirre e Hijos, Isidro, Munilla.	45
Chocolate.	
78. Alique, Adrian, Portlirubio.	47
Saffron and anise.	

## Aromatic Substances, Mineral Waters.

Exhibit No.	Class'n No.
79. Casado Rodriguez, Fabian, Coruna. Chocolate.	45
80. Castella, Francisco, Barcelona. Chocolate.	45
81. Cayuela y Ramon, Jose, Murcia. Ground pepper.	47
82. Deza, Town of, Soria. Anise.	47
83. Diez Ubago, Placido, Cuzcurrita. Chocolate.	45
84. Enciso Ruiz, Hijos de Francisco, Munilla. Chocolate.	45
85. Fernandez, Francisco, Lugo. Chocolate.	45
86. Fernandez, Lorenzo, Albacete. Saffron.	47
87. Fernandez Rodriguez, Jacinto, Villanobledo. Saffron.	47
88. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife. Coffee.	45
89. Garcia Fernandez, Jeronimo, Medina del Campo. Chocolate.	45
90. Garcia Luque, Mariano, Toledo. Chocolate.	45
91. Lujan y Tendero, Tomas, Motilla del Palancar. Saffron.	47
92. Martinez, Viuda de Pedro, Albacete. Saffron.	47
93. Nicolau Hermanos, Albacete. Saffron.	47
94. Porcar y Tio, Manuel, Barcelona. Ground sweet pepper.	47
95. Ramos Beltran, David, Chercoles. Saffron.	47
96. Rubini e Hijos, Coruna. Chocolate.	45
97. Ruiz, Jeronimo, Murcia. Ground pepper.	47
98. Saenz, Viuda de Laureano, Munilla. Chocolate.	45
99. Serra y Cuberta, Antonio. Chocolate.	45
100. Solana, Hijos de Norberto, Munilla. Chocolate.	45
101. Valtuena, Town of, Soria. Saffron.	47
102. Velasco Barba, Jose de, Almendralejo. Chocolate.	45
103. Villalba, Sixto, Tarragona. Anise and cummin.	47

## GROUP 9.

104. Capdevila y Marin., Ramon, Cieza. Esparto.	59
105. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife. Pita fibre.	59
106. Gomez Rodulfo, Hijos de Jeronimo, Bejar. Wool.	60
106a. Guirao, Luis F., Murcia. Esparto fibre.	59
107. Martinez e Hijos, Hellin. Esparto.	59
108. Ortega Saenz Diente, Cuenca. Wool.	60

Exhibit No.	Class'n No.
109. Parras, Enrique, Albacete. Esparto.	59
110. Perales, Marques de, Madrid. Wool.	60
111. Precioso Roche, Jose, Hellin. Esparto.	59
112. Soria Local Commission, Soria. a Hemp.	59
b Wool	60
113. Torre y Andres, Miguel, de la, Badajoz. Ramie.	59
114. Villanueva y Canedo, Badajoz. Wool.	60

## GROUP 10.

115. Agreda, Town of, Soria. Sulphuretted waters.	64
116. Arive, Baths of, Arive. Mineral water.	64
117. Avenoso, Mariano Andres, Madrid. "Nuevas Salinetas" mineral water.	64
118. Banos, Town of, Caceres. Sulphuretted saline water and sediment.	64
119. Belascoain, Baths of, Belascoain. Mineral water.	64
120. Calderon y Revuelta, Alceda. Sulphuretted water.	64
121. Cano y Compania, Juan, Vitoria. Mineral water.	64
122. Carrillo y Rodriguez, Juan, Ocana. Mineral water.	64
123. Cervello y Chinesta, Elias, Cordoba. Chalybeate water.	64
124. Collazo, Emilio, Lugo. Chalybeate water.	64
125. Cortadellas, Jaime, Madrid. Saline water.	64
126. Fontagud Gargollo, Jose, Madrid. Mineral water.	64
127. Garcia Fernandez, Julio, Palas de Ray. Mineral water.	64
128. Garrido y Garrido, Castor, Vigo. Mineral water.	64
129. Goicoechea, Fermin, Pamplona. Mineral water.	64
130. Higuera y Compania, H., Gerona. Mineral water.	64
131. Leon y Llerena, Eduardo, Madrid. Mineral water.	64
132. Lopez Salazar y Hernandez Moreno, Ciudad Real. Mineral water.	64
133. Llata Rosillo, Manuel, Santander. Mineral water.	64
134. Madirolas y Codina., Ramon. Marilleu. Mineral water.	64
135. Martinez Aragon, Hilario, y Crespo, Justo, Vinuesa. Chalybeate water.	64
136. Martorell, Francisco, Calella, Mineral water.	64

## Liquors and Alcohols.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
137. Mestre Roig, Luis, Grove.	64	165. Cuesta, Gil de la, Briones.	Cognac
water.		and anisette.	
138. Munoz y del Castillo, Angel Manuel, Madrid.	64	166. Diaz y Gomez, Fermin, Jaca.	Anise
Mineral water.		sette.	
139. Porcar y Tio, Manuel, Barcelona.	64	167. Diaz Salazar y Compania, H.	Alcohol.
Mineral water.			
140. Salmeron Amat, Jose, La Carolina.	64	168. Domech y Compania, B. L., San	der. Liqueurs, extracts of anise and r
Mineral water.		Chartreuse, etc.	
141. Suellacabras, Town of, Soria.	64	169. Domenech Aguilera, Vicente,	Andres de Palomar. Cordial "Domenech
Sulphur water.		cognac and oriental anise.	
142. Vera y Garcia, Jose Maria, Mazarron.	64	170. Erice, Antonio, Pamplona.	Cider.
Mineral water.		171. Escat y Compania, Barcelona.	C
143. Villarijos, Town of, Soria.	64	cao, Benedictine and other liqueurs.	
and chalybeate water.		172. Escribano Mayo, Jose Francis	Vinaroz. Vinegar.

## GROUP 11.

144. Abadia, Luis, Allo.	Vinegar.	71
145. Agricultural Society, Igualada.		
a Anise alcohol and pure alcohol.	68	
b Liqueurs.	69	
146. Agricultural Society, Valls.	Sweet anisette and dry anisette.	69
147. Alberola, Rafael, Cuatretonda.		
a Alcohol.	68	
b Imperial anise.	69	
148. Alfonso y Pastor, Juan Bautista, Castellon.	Aromatic liqueur.	69
149. Amorós, Cristóbal, Villena.	Alcohol.	68
150. Aoiz, Manuel, Arroniz.	Vinegar.	71
151. Arbeloa, Pablo, Dicastillo.	Vinegar.	71
152. Armendariz, Eduardo, Munizabal.	Vinegar.	71
153. Armendariz, Francisco, Falces.	Vinegar.	71
154. Arquiano, Pablo, Estella.	Anisettes.	69
155. Beltran y Ibanez, Adolfo, Albacete.	Alcohol of 97 degrees.	68
156. Bernal y Garcia, Lorenzo, Valladolid.	Liqueurs and extract of anise.	69
157. Bosch y Viotti, Martin, Barcelona.	Vermouth.	70
158. Boyer y Compania, C., Pasajes.	Vermouth.	70
159. Buhler y Auge Issanjou, I. C., Dai.	Vermouth.	70
160. Camata y Argueso, Marcial de la, "Spanish" cognac.	69	
161. Cha Gumeriudo, Mañeru.	Vinegar.	71
162. Clara y Garcia, Jose, Oviedo.	Cider.	71
163. Conde Saldrich, Juan Ramon, Valls.		71
164. Conde y Hino, Figueras.	Anisettes.	69
165. Cuesta, Gil de la, Briones.	Cognac and anisette.	
166. Diaz y Gomez, Fermin, Jaca.	Anise sette.	
167. Diaz Salazar y Compania, H.	Alcohol.	
168. Domech y Compania, B. L., San der.	Liqueurs, extracts of anise and r Chartreuse, etc.	
169. Domenech Aguilera, Vicente,	Andres de Palomar. Cordial "Domenech cognac and oriental anise.	
170. Erice, Antonio, Pamplona.	Cider.	
171. Escat y Compania, Barcelona.	C	
172. Escribano Mayo, Jose Francis	Vinaroz. Vinegar.	
173. Eslava, Jose, Valtierra.	Vinegar	
174. Eslava, Rufino, Valtierra.	Vinegar	
175. Esteban, Dionisio, Fustiñana.	V	
176. Esteller Pruñonosa, Manuel, Vinar	Orange wine.	
177. Farreras y Chapellier, San Martin	Provencals. Liqueurs, Benedictine, r cognac, anise and grog.	
178. Farres Jaumandreu, Antonio,	Cugat del Valles. Vinegar.	
179. Fernandez de Soria, Fernando.	V	
franca de los Barros.		
a Alcohol.		
b Vinegar.		
180. Figueroa de Battistini, Dolores,	drid. Vinegar.	
181. Flos y Miralles, Rafael.	San Ma de Provencals. Chartreuse and Cura imitation.	
182. Salvete, Francisco, Ciga.	Cider.	
183. Garcia Castilla, Raimundo, Burg	Vinegars.	
184. Garcia, Cecilio, Corella.	Alcohols.	
185. Garcia, Diego, Guadalajara.	V	
186. Garcia Fernandez, Jeronimo.	dina de Campo. Vinegar.	
187. Gil Hernandez, Esteban, Nava	Rey. Vinegar.	
188. Gispest y Pujols, Manuel, Bar	lona. Vinegar.	
189. Gracia Ortiz y Hermanosi, Fe	Villarobledo. Vinegars.	
190. Gracia Poveda, Luis, Villena.	cohols.	
191. Guaqui, Conde de, Andion.	Cord anise and triple anise.	
192. Guillén, Ricardo y Girones, Agus	Villena. Alcohol.	
193. Hernandez Gabaldón, Juan, Ville	Alcohol.	

Liquors, Alcohols, Literature.

Exhibit No.	Class'n No.
194. Hernandez Hurtado, Francisco, Villena. Alcohol.	68
195. Hurtado, Andrés, Villena. Alcohol and aromatic alcohol.	68
196. Hurtado y Hurtado, Villena. a Alcohol.	68
b Liqueur of nuts.	69
197. Ladoyer y Metge, San Pedro de Premia. Vinegar.	71
198. Lopez Ramos, Vicente, Valencia. Alcohol.	68
199. Macho Mesones, Francisco, Rueda. Vinegar.	71
200. Magrina y Suñer, Antonio de, Tarragona. Vinegar.	71
201. Maso Tebar, Javier, Albacete. Zurracapote.	69
202. Mercader Menages, P., Barcelona. Vermouth.	70
203. Miguéla, Lizabe y Compania, Zaragoza. Alcohol.	68
204. Milan Navarro, Bartolome, Villena. Alcohol.	68
205. Molon Mier, Juan, Medina del Campo. Vinegar.	71
206. Monistrol, Marques de, Madrid. Cognac.	69
207. Monzó Hermanos, Albaida. Alcohol.	68
208. Morera, Avelino, Tarragona. Anisette.	69
209. Montfort, Carlos, Barcelona. "Montfort" rum.	67
210. Muñoz y Cardenas, Claudio E., Gijon. Champagne Cider.	71
211. Obanos, Town of, Navarra. Vinegar.	71
212. Otiza, Felipe, Navarrete. Cider.	71
213. Palacio y Palacio, Antonio, Zaragoza. Anisette "Palacio."	69
214. Palacios, Siro y Luis, Valdepeñas. Alcohol.	68
215. Parera, Juan, Zaragoza. Liqueur, ase and hygienic cordial.	69
216. Parera y Volast, Felipe, Granollers. a Rum.	69
b Extract of anise and cognac "Parera."	67
217. Pascual, Hijos de, Madrid. Rum.	67
218. Pastor, Jose Antonio, Villena. Alcohol.	68
219. Pey y Mallol, Paulino, Figueras. Rum.	67
220. Pimentel y Hermanos, J., Rueda. Vinegar.	71
221. Pi Montillo, Antonio, Falset. Vermouth and anise.	70
222. Planters' Association, Chinchon. Alcohol.	68

Exhibit No.	Class'n No.
223. Pomes, Viuda de Pablo, Bilbac. Vermouth, bitter and anisette.	70
224. Pons y Cerda, Francisco, Valencia. Alcohol.	68
225. Prat, Saturnino, Manresa. Alcohol.	68
226. Puig y Llagostera, Francisco, Barcelona. Vinegar.	71
227. Pujol, Joaquin y Eduardo, Sans. Anise "Espanol."	69
228. Quecuty Ponce de Leon, Enrique, Chiclana de la Frontera. Alcohol.	68
229. Quesada, Juan, Arganda. Vinegar.	71
230. Ruiz, Antonio, Villafranca. Anisette.	69
231. Salvado, Hermanos, Barcelona. Vinegar.	71
232. Salvo, Paula, Carcastillo. Vinegar.	71
233. Sanchis, Jose Maria, Muniain. Vinegar.	71
234. Sans Bori, Sebastian, Sitges. Liqueurs.	69
235. Sanz Espeso, Donato, La Seca. Vinegar.	71
236. Torre y Bordons, Ramon de la, San Gervasio de Cassolas. Anisette "Tentacion."	69
237. Torres y Castells, Jose, Barcelona. "Quina Momo" liqueur.	69
238. Trincado, Miguel, Lodosa. Vinegar.	71
239. Valle, Ballina y Fernandez, Villaviciosa. Champagne cider.	71
240. Valles Allue, Antonio, Bandalies. Vinegar.	71
241. Vallejo, Luis, Peralta. Vinegar.	71
242. Vano Hermanos, Valencia. Alcohol.	68
243. Velasco Barba, Jose de, Almendralejo. Alcohol.	68
244. Vidal y Hermano, Casimiro, Vendrell. Liqueurs, assorted.	69
245. Vila Bassa, Juan, Tarragona. Vinegar.	71

GROUP 12.

246. Damm y Compania, Barcelona. "Golondrina" beer and "bock" beer.	73
247. Matossi, Fanconi y Compania, Santander. Export beer.	73

GROUP 14.

247a. Compania general de Tabacos de Filipinas. Barcelona. Views of works.	
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GROUP 15.

248. Llorente y Arregui, Aniceto, Burgos. Work on agriculture.	83
249. Magrina y Suner, Antonio de, Tarragona. Work on agriculture.	83

## Dairy, Fats and Oils.

Exhibit No.	Class'n No.
250. Ortiz de Canavate, Fernando, Madrid. Works on silkworm culture and on cheese and butter making.	83
251. Sala y Carrera, Esteban, Tarragona. Works on agriculture.	83

## GROUP 18.

252. Agricultural Society, Igualada. Olive oil.	95
253. Alcate Azcoitia, Casiano, Logrono. Olive oil.	95
254. Alemany Gil, S., Tarragona. Olive oil.	95
255. Alfaro, Manuel Maria, Fitero. Olive oil.	95
256. Alique, Adrian, Portalrubio. Olive oil.	95
257. Almudevar, Francisca, Huesca. Olive oil.	95
258. Amoros, Cristobal, Villena. Olive oil.	95
259. Anton Fernandez, Francisco, Muchamilel. Olive oil.	95
260. Arbeloa, Pedro, Dicastillo. Olive oil.	95
261. Arjona, Viuda de Rafeal, Navarrete. Olive oil.	95
262. Barbera Falco, Jose, Valencia. Olive oil.	95
263. Bellod, Martin, Villena. Olive oil.	95
264. Benjumea, Fernando y Jose Maria, Puebla de Cazalla. Olive oil.	95
265. Bernis, Francisco de, Sevilla. Olive oil.	95
266. Borja, Town of, Zaragoza. Olive oil.	95
267. Briones y Briones, Jose Maria, Navarrete. Olive oil.	95
268. Cano y Fernandez, Minguel, Murcia. Olive oil.	95
269. Casciaro y Lobato, Pedro, Cartagena. Olive oil.	95
269a. Castelvi, Luis, Barcelona. Olive oil.	95
270. Civera y Mas, Jose Maria, Palma de Mallorca. Olive oil.	95
271. Coll de Baldrich, Juan Ramon, Valls. Olive oil.	95
272. Conill Hermanos, Barcelona. Olive oil.	95
273. Dominguez de la Plomera, Tomas, Navarrete. Olive oil.	95
273a. Escribano, Antonio J., Madrid. Olive oil.	95
274. Escribano Mayo, Jose Francisco Vinaroz. Olive oil.	95
275. Eslava, Rufino, Valtierra. Olive oil.	95
276. Estadas, Conde de, Santisteban del Puerto. Olive oil.	95

277. Esteller Prunonosa, Manuel, Vitoria. Olive oil.	
278. Estelles Gadea, Gerardo, Vitoria. Olive oil.	
279. Fernandez de Navarrete, Cristobal, Vitoria. Olive oil.	
280. Fernandez y Cosmen, Victoriano, Navalmales. Olive oil.	
281. Ferrete Soronellas, Javier, Selva de Campo. Olive oil.	
282. Fontcuberta y de Perramont, Josep, Lladet. Olive oil.	
283. Foronda y Mandillo, Pedro de, Cruz de Tenerife. Wax.	
284. Garcia, Diego, Guadalajara. Olive oil.	
285. Gispert y Pujals, Manuel, Barcelona. Olive oil.	
286. Gomez de la Lama, Luis, San Sebastian. Olive oil.	
287. Grana e Hijos, Enrique, Malaga. Olive oil.	
288. Grau Montane, Jose, Ruidoms. Olive oil.	
289. Guel y Vilata, Antonio, Olea de Montserrat. Olive oil.	
290. Hortal Escribano, Ignacio, Manca. Olive oil.	
291. Huguet, Prudencio, Abitias. Olive oil.	
292. Ibanez de Lara, Luis, Valencia. Olive oil.	
293. Iglesias y Nadal, Jose, Albages. Olive oil.	
294. Isasa y Valseca, Santos de, Madrid. Olive oil.	
295. Isern, Casas y Bordas, Sevilla. Olive oil.	
296. Jimenez, Babil, Tafalla. Olive oil.	
297. Lopez y Lopez, Pascasio, Vitoria. Olive oil.	
298. Magrina de Lopez, Mariano, Longa. Olive oil.	
299. Magrina y Suner, Antonio de, Tarragona. Olive oil.	
300. Mangado, Andres, Falces. Olive oil.	
301. Marimon y Lloret, Francisco, Figueras. Olive oil.	
302. Marin Casals, Eduardo, Vitoria. Olive oil.	
303. Martin, Manuel, Cascante. Olive oil.	
304. Matheu Sabater, Juan, Tarragona. Olive oil.	
305. Medrano, Pedro N., Fitero. Olive oil.	
306. Mendez, Felipe, Mairena del Alcor. Olive oil.	

## Fats and Oils, Miscellaneous.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
337. Miguel, Juan de, Tudela. Olive oil.	95	338. Romero de la Torre, Bartolome, Cordoba. Olive oil.	95
338. Mira Paya, Francisco, Pinoso. Olive oil.	95	339. Ruiz Ochogavia, Bruno, Villamediana. Olive oil.	95
339. Morales, Viuda de, Monteagudo. Olive oil.	95	340. Salanueva, Filoteo, Arroniz. Olive oil.	95
340. Morcillo y Garcia, Jose, Carrabanchel. Soap and a soap statue.	98	341. Salmeron, Jose, La Carolina. Olive oil.	95
341. Moreno Mazon e Hijos, Trinidad, Madrid. Olive oil.	95	342. Salvado, Hermanos, Barcelona. Olive oil.	95
342. Mur, Jose, Salas Altas. Olive oil.	95	343. San Adrian, Marques de, Monteagudo. Olive oil.	95
343. Murrieta y Garcia, Luciano, Logrono. Olive oil.	95	344. Sanchis, Jose Maria, Muniain. Olive oil.	95
344. Navascues, Ramon, Cintruenigo. Olive oil.	95	345. Sevil Hermanos y Compania, Tarragona. Olive oil.	95
345. Naya Buil, Miguel, Liesa. Olive oil.	95	346. Sigues, Jose Maria, Cintruenigo. Olive oil.	95
346. Obanos, Town of, Navarra. Olive oil.	95	347. Torella y Font., Magin, Olesa de Montserrat. Olive oil.	95
347. Oliag, Vicente, Valencia. Olive oil.	95	348. Torre, Baronesa de la, Cintruenigo. Olive oil.	95
348. Orovio, Manuel de, Tarragona. Olive oil.	95	349. Vila Bassa, Juan, Tarragona. Olive oil.	95
349. Palop Aparicio, Jose Antonio, Ronda. Olive oil.	95	350. Vilches, Joaquina, Valtierra. Olive oil.	95
350. Palou y Barbarin, Miguel, Palma de Mallorca. Olive oil.	95	351. Vives y Colom, Antonio, Deya. Olive oil.	95
351. Paredes Guillen, Vicente, Plasencia. Olive oil.	95		
352. Parras, Enrique, Albacete. Olive oil.	95	Exhibits Classed in other Departments but Installed in this.	
353. Pascual de Bonanza, Luis Cruz, Elche. Olive oil.	95	<b>DEPARTMENT C.</b>	
354. Paul, Manuel de, Huevar. Olive oil.	95	<b>GROUP 35.</b>	
355. Paya Santonja, Miguel, Villena. Olive oil.	95	352. Casanas y Gonzalez, Antonio Maria, Villa de la Orotava. Canary Islands. Cochineal.	234
356. Peyra y Mach, Hijos de, Barcelona. Olive oil.	95	352. Foranda y Mandillo, Pedro de. Santa Cruz de Tenerife. Cochineal.	234
357. Porcar y Tio, Manuel, Barcelona. Olive oil.	95		
358. Priego, Tomas, Priego. Olive oil.	95	<b>GROUP 36.</b>	
359. Puig y Llagostera, Francisco, Barcelona. Olive oil.	95	354. Roas Carpetudo, Eduardo, Badajoz. Mounted specimens of bustard, quail, etc.	286
360. Pujol, Hermanos y Compania, Ramon, Lerida. Olive oil.	95		
361. Querol y Bofarull, Fernando de, Tarragona. Olive oil.	95	<b>DEPARTMENT N.</b>	
362. Ramirez Ortiz, Felix. Olive oil.	95	<b>GROUP 19.</b>	
363. Reguer, Marques del, Palma de Mallorca. Olive oil.	95	355. Alfranca y Peralta, Mariano, Alfajarin. Licorice.	108
364. Ribot Volla, Baudilio, Tarragona. Olive oil.	95	356. Becerra, Rodriguez y Compania, Serrejon. Cork.	104
365. Ripa, Eugenio, Aberin. Olive oil.	95	357. Covaleta, Town of, Province of Soria. Pine lumber.	110
366. Rius, Conde de, Tarragona. Olive oil.	95	358. Diaz Agero, Conde de Mallor Agustin, Madrid. Cork.	
367. Romeo, Leopoldo, Cintruenigo. Olive oil.	95		

## Miscellaneous.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
359. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife.		366. Museo-Biblioteca de Ultramar, Madrid. Very large collection of woods from the Philippine Islands.	
<i>a</i> Dye-wood, etc.	103	367. Picazo, Jose Maria, La Roda. Sumach.	
<i>b</i> Moss.	105	368. Pinohermoso, Conde de, Madrid. Licorice.	
<i>c</i> Sarsaparilla.	108	369. Pueyo, Pablo. Chamomile.	
360. Gonzalez Sandoval, Federico, Cuenca.		370. Roncero y Garcia, Misael, Huelva. Cork.	
<i>a</i> Samples of hardwood.	101	371. Torreadella e Hijos, P., San Martin de Provencals. Tanning and dye materials.	
<i>b</i> Dye-woods.	103	372. Vila Saglietti, Hermenegildo, Barcelona. Books and papers on the cork industry.	
361. Humanes Combelo, Julian, Lomichar. Licorice.	108	373. Zerolo y Herrera, Tomas, Villa de Orotava (Canarias). Canary pine.	
362. Instituto provincial, Cuenca. Large collection of woods of the country collected and prepared by the pupils.	99		
633. Jaramillo y Ruiz de Alarcon, Juan Jose, Carrascosa del Campo. Acorns.	108		
365. Lopez, Montenegro y Muro, Pedro, Caceres. Cork.	104		
365. Moreno y de Benito, Tudela. Licorice.	108		

## SWEDEN.

## LOCATION—SEC. A.—N. E. QUARTER.

## Cereals, Food Preparations, Dairy, Liquors.

GROUP 1.		Exhibit No.	Class'n No.
1. Paykull, Gustaf von, Knifsta.		11. Barnekows S. Tekn. Kem. Laboratorium, Maimo. Extract of cheese rind.	
<i>a</i> Rye.	5	12. Stockmula, Dingtuna. Cheese.	
<i>b</i> Clover seeds.	9	13. Surahammars Bruks Aktiebolag. Surahammar. Milk separators and butter extractors. Swedish Pav.	
GROUP 2.		14. Tofverums Mejeri, Wimmerby. Cheese.	
Chrysander, J., & Co., Gothenburg. Pastry.	13	15. Wedholm, C. A., Nyköping. Milk cans, cheese-frames, milk-strainers.	
GROUP 3.		GROUP 8.	
3. Chrysander, J., & Co., Gothenburg. Confections.	27	16. Winborg, Th., & Co., Stockholm.	
GROUP 6.		<i>a</i> Cocoa, coffee substitute. Sec. 8	
4. Kullberg, G., & Co., Gothenburg. Caviar; preserved craw-fish tails.	36	<i>b</i> Mustard.	
7. Lyseil, Aug., Lysekil. Oysters, herrings and anchovy.	36	GROUP 11.	
8. Ohlsson, Carl & Hansson, Gothenburg.		17. Bagge, Axel, & Co., Gothenburg. Arrac punch.	
<i>a</i> Herring, anchovy, fish-balls.	36	19. Helleberg, A. L., & Son, Stockholm. Punch.	
<i>b</i> Pudding.	37	20. Liljeholmen's Vinfabrik, Stockholm. Punch.	
9. Winborg, Th., & Co., Stockholm. Sauces.	37		
GROUP 7.			
10. Aktiebolaget Radiator, Stockholm. Cream and butter extractor. 34-D-B	44		

Liquors, Farm Machinery, Fertilizers.

Exhibit No.	Class'n No.
21. Lindgren, C. A., & Co., Stockholm. Punch.	70
22. Lundberg, J. L., & Co., Stockholm. Punch.	70
22a. Söner, J. Cederlunds, Stockholm. Punch.	70
The renowned genuine "Caloric Punch." Luyties Brothers, New York, sole agents.	
23. Winborg, Th., & Co., Stockholm. Vinegar.	Sec. 8 71

Exhibit No.	Class'n No.
<b>GROUP 16.</b>	
24. Aktiebolaget Palmcrantz, Stockholm. Harvest machines.	86
25. Sundgren, Olof, Ostersund. Centrifugal winnower.	87
26. Svalling, G. V., & Co., Molntorp. Scythes.	86
<b>GROUP 17.</b>	
27. Nystrom, R. & H., Gothenburg. Guano and fodder.	92

SWITZERLAND.

LOCATION—SEC. C.—S. E. QUARTER.

Dairy, Liquors, Root Crops.

Exhibit No.	Class'n No.
<b>GROUP 7.</b>	
1. Société de la Farine Lactée, Vevey.	
a Milk.	41
b Butter.	42
c Cheese.	43
<b>GROUP 8.</b>	
2. Kohler, Amédée, & fils, Lansanne. Chocolate.	45
3. Russ-Suchard & Co., Neuchâtel-Serrières. Chocolate.	45

Exhibit No.	Class'n No.
<b>GROUP 11.</b>	
5. Pernod, Edouard, Couvet. Absinthe.	70
"Swiss Absinthe," "Kirschwasser" and "Gentiane." Largest and oldest distillery of Absinthe in Switzerland. Product exported to all parts of the world. Luyties Brothers, New York, sole agents.	
6. Zuger Kirschwasser Gesellschaft, Zug. Liquors.	70
<b>GROUP 12.</b>	
7a. Hurlimann, Enge-Zurich. Beers.	73

Exhibit  
Nos.  
359.

TRINIDAD.

SEC. B—N. W. QUARTER.

**Sugars, Fibres, Miscellaneous.**

[illegible]

**Exhibit  
No.**

Class

19a. Royal Botanic Garden. Fibres  
various kinds.

**GROUP 11.**

20. Burnley, Wm. F. & Co. White r

21. Colonial Co. Limited. White rum.

22. Cummings, A., & Co. White rum

22a. Haley & Co., C. L. Wormwood  
Falernum bitter.

23. Morin, Felix. Liqueurs.

24. Siegert, Dr. Y. Y. B., & Sons.  
gostura bitters.

25. **Turnbull, Stewart, & Co.** White colored rum.

**GROUP 18.**

26. Hales, C. L. Coconut oil.

27. Meaden, C. W., Chaguanas. Castor oil.

### Exhibits Classed in Other Department but Installed in This.

**DEPARTMENT B.**

**GROUP 21.**

28. Hart, Z. H. Fruits preserved in br

**GROUP 23.**

20. Hart, Z. H. Pickles and chutney.

30. Royal Botanic Garden. Chutney.

**DEPARTMENT C.**

**GROUP 28.**

31. **Siebricht & Wadley, Trinidad.** 1  
of Zebu, or Mysore cattle; specimen  
the sacred cattle of the Hindus.

**DEPARTMENT E.**

**GROUP 48.**

32. Archer, L. H., & Co. Raw asp  
from La Brea.

33. Colonial Government. Lignite.

34. d'Abadie, Mrs., Raw asphalt from Pitch Lake and glance asphalt from M serrat.

## Miscellaneous.

Exhibit No.	Class'n No.
35. Lange, Eugene. Rock and iron pitch.	293
36. McClean, Charles H. Coal.	292
37. Pile, Theodore. Bituminous coal.	292

## GROUP 47.

38. Archer, Julian H. & Co. Land asphalt.	312
39. Colonial Government. Liquid Asphalt.	812
40. Grant, Gordon & Co. Asphalt.	312
41. Lange & de Verteuil. Lave artificielle.	311
42. Trinidad Asphalt Co. Raw asphalt.	312

## DEPARTMENT H.

## GROUP 87.

43. Hart, Z. H. Essential oil.	549
44. Morin, Felix. Cologne.	549
45. Richards Alfred, & Co., Extract of Cousin Mahoe.	549
46. Royal Botanic Garden. Essential oils.	549

## GROUP 91.

47. Meaden, C. W., Chaguanas. Pottery.	575
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## DEPARTMENT L.

## GROUP 151.

Exhibit No.	Class'n No.
48. Morin, Felix. Photographic views and types.	871

## DEPARTMENT N.

- |  |     |
|--|-----|
| 49. Burnley, Wm. F. & Co. Two panels of saman wood and scantling of same.  | 100 |
| 50. Hart, Z. H., Royal Botanic Garden. Specimens of giant striped and common bamboos.  | 113 |
| 51. Meaden, C. W., Chaguanas.  |     |
| a Cart naves, spokes and felloes of balata, locust, zapara and angeling woods, axe handles and tool handles of purple heart, guave and acoma woods, and specimens of turned woods for furniture of purple heart, olivier and zapara. | 100 |
| b Panels of hardwood, composing balata, cedar, purple heart, poin, locust, mangrove and others.  | 101 |
| 52. Richards, Alfred. Extract of Cousin Mahoe.   | 108 |

## TUNIS.

## LOCATION—TUNIS PAVILION,

## Cereals, Aromatic Substances.

## Collective Exhibit.

## SOUTH END.

## GROUP 1.

Exhibit No.	Class'n No.
1. Ahmed ben El Hadj Hassen Longo, Gafsa.	
a Wheat in straw.	1
b Corn on stalk.	2
2. Ahmed ben Mustapha Toumi Mahdia.	
Wheat.	1
3. Brahim Sioud Cheikh, Mahdia. Millet.	8
4. Brahim Sioud Cheikh, Rejiche Mahdia. Corn.	2
5. Cheikh Mohamed ben Mustapha, Mahdia. Barley.	4
6. Hadj Ali ben Guidida, Mahdia. Wheat.	1

Exhibit No.	Class'n No.
7. Hadj el Hajemi ben Nejemi, Mahdia.	
a Wheat.	1
b Corn.	2
c Barley.	4
8. Hadj Hassen el Khoamiri, Outed Nasser.	
a Wheat.	1
b Barley.	4
9. Hassen, Braham Bouchenek, Mahdia. Barley.	4
10. Lascon, Emile, Kanghat.	
a Wheat.	1
b Oats.	3

## GROUP 8.

11. Cusson, Marie del Rose, Sousse. Red pepper.	47
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## Cereals, Pastes, Farm Products, Food Preparations.

Exhibit No.	Class'n No.
30. Uluargui y Ochoa, Eusebio, Logrono.	
a Wheat.	1
b Corn.	2
c Oats.	3
d Barley.	4
31. Villanueva y Canedo, Luis, Badajoz.	
Wheat.	1

## GROUP 2.

32. Castello y Vila, Francisco, Arenys de Mar.	Soup pastes.	15
33. Clot, Juan J., Madrid.	Soup pastes.	15
34. Fidalgo Perez, Gregorio, Badajoz.	Cakes.	13
35. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife.	Arrow-root.	16
36. Ladoyer y Metge, San Pedro de Premia.	Tapioca.	16
37. Marco Soriano, Juan, Villena.	Crackers.	14
38. Mirat e Hijo, Salamanca.		
a Soup pastes.		15
b Wheat and rice starch.		16

## GROUP 3.

39. Diaz, Gallo, Cardenete.	Honey.	26
40. Ferrer y Gili, J., Barcelona.	Fruit confections, etc.	27
41. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife.	Honey.	26
42. Garcia Luque, Mariano, Toledo.	Confections.	27
43. Marco Soriano, Juan, Villena.	Confections.	27
44. Mira Espi, Luis, Gijona.	Confectionery.	27
44a. Monerris e Hijo, Antonio, Gijona.	Nougat and almonds.	27
45. Monserrat y Hijo, Juan, Reus.	Confectionery.	27
46. Puzzeni Hermanos, Cordoba.	Syrup of orange flowers.	18
47. Segovia, Julian, Carrascosa de la Sierra.	Honey.	26
48. Velasco Barba, Jose de, Almendralejo.	Confectionery.	27

## GROUP 4.

49. Berlanga de Duero, Village of, Soria.	Potatoes.	28
50. Lober, Town of, Lugo.		
a Potatoes.		28
b Beets.		29

## GROUP 5.

51. Alemany Gil. S., Tarragona.	Vetches.	32
52. Alonso del Moral, Vicente, Salamanca.	Chick peas and vetches.	32

Exhibit No.		
53.	Bello y Gil, Jose, Logrono.	Chick peas and French beans.
54.	Fernandez de la Devesa, Clemente.	Medina del Campo. Chick peas and vetches.
55.	Fernandez e Hijos, Viuda de L., Medina del Campo.	Chick peas and vetches.
56.	Giraldo Crespo, Eusebio, Medina del Campo.	Chick peas.
57.	Magrina de Lopez, Mariano, Villanueva.	Red vetches.
58.	Magrina y Suner, Antonio de, Tarragona.	Vetches.
59.	Marin Casales, Eduardo, Valencia.	Vetches.
60.	Mirat e Hijo, Salamanca.	Chick peas.
61.	Orovio, Manuel de, Tarragona.	Vetches.
62.	Querol y Bofarull, Fernando de, Tarragona.	Vetches.
63.	Satorr As y Villanova, Antonio, Tarragona.	Vetches.
64.	Serrano, Felix, Sajazarra.	Beans.
65.	Uluargui y Ochoa, Eusebio, Logrono.	Beans.
66.	Villanueva y Canedo, Luis, Badajoz.	Chick peas.

## GROUP 6.

67. Caamano y Compania, J., Coruna.	Canned meats, etc.	
68. Flores Sauret, Benito, Garroville.	Alcovejar. Sausages.	
69. Goday, Juan, Villanueva de Aragon.	Sardines, etc.	
70. Ladoyer y Metge, San Pedro de Isona.	Anchovies.	
71. Lober, Town of, Lugo.	Hams.	
72. Puig y Llagostera, Francisco, Barcelona.	Anchovies.	
72a. Soler Malet, Pedro, Organa.	Sausages.	

## GROUP 7.

73. Fernandez Rodriguez, Jacinto, Villanueva.	Cheese.	
74. Garcia y Garcia, Manuel, Cerezo.	Butter.	
75. Neira, Juan Bautista, Cerezo.	Cheese.	
76. Villalba, Town of, Lugo.	Cheese.	

## GROUP 8.

77. Aguirre e Hijos, Isidro, Munilla.	Chocolate.	
78. Alique, Adrian, Portalrubio.	Saffron and anise.	

### Aromatic Substances, Mineral Waters.

Exhibit No.	Class No.
79. Casado Rodriguez, Fabian, Coruna. Chocolate.	45
80. Castella, Francisco, Barcelona. Chocolate.	45
81. Cayuela y Ramon, Jose, Murcia. Ground pepper.	47
82. Deza, Town of, Soria. Anise.	47
83. Diez Ubago, Placido, Cuzcurrita. Chocolate.	45
84. Enciso Ruiz, Hijos de Francisco, Munilla. Chocolate.	45
85. Fernandez, Francisco, Lugo. Chocolate.	45
86. Fernandez, Lorenzo, Albacete. Saffron.	47
87. Fernandez Rodriguez, Jacinto, Villanubedo. Saffron.	47
88. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife. Coffee.	45
89. Garcia Fernandez, Jeronimo, Medina del Campo. Chocolate.	45
90. Garcia Luque, Mariano, Toledo. Chocolate.	45
91. Lujan y Tendero, Tomas, Motilla del Palancar. Saffron.	47
92. Martinez, Viuda de Pedro, Albacete. Saffron.	47
93. Nicolau Hermanos, Albacete. Saffron.	47
94. Porcar y Tio, Manuel, Barcelona. Ground sweet pepper.	47
95. Ramos Beltran, David, Chercoles. Saffron.	47
96. Rubini e Hijos, Coruna. Chocolate.	45
97. Ruiz, Jeronimo, Murcia. Ground pepper.	47
98. Saenz, Viuda de Laureano, Munilla. Chocolate.	45
99. Serra y Cuberta, Antonio. Chocolate.	45
100. Solana, Hijos de Norberto, Munilla. Chocolate.	45
101. Valtuena, Town of, Soria. Saffron.	47
102. Velasco Barba, Jose de, Almendralejo. Chocolate.	45
103. Villalba, Sixto, Tarragona. Anise and cummin.	47

**GROUP 9.**

104.	Capdevila y Marin., Ramon, Cieza.	Esparto.	59
105.	Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife.	Púa fibre.	59
106.	Gomez Rodulfo, Hijos de Jeronimo, Bejar.	Wool.	60
107a.	Guirao, Luis F., Murcia.	Esparto fibre.	59
107.	Martinez e Hijos, Hellin.	Esparto.	59
108.	Ortega Saenz Diente, Cuenca.	Wool.	60

Exhibit No.		Class'n No.
109.	Parras, Enrique, Albacete. Esparto.	59
110.	Perales, Marques de, Madrid. Wool.	60
111.	Precioso Roche, Jose, Hellin. Esparto.	59
112.	Soria Local Commission, Soria. a Hemp.	59
	b Wool	60
113.	Torre y Andres, Miguel, de la, Badajoz. Ramie.	59
114.	Villanueva y Canedo, Badajoz. Wool.	60

**GROUP-10.**

115. Agreda, Town of, Soria. Sulphur-  
etted waters. 64
116. Arive, Baths of, Arive. Mineral  
water. 64
117. Avenoso, Mariano Andres, Madrid.  
"Nuevas Salinetas" mineral water. 64
118. Banos, Town of, Caceres. Sulphur-  
etted saline water and sediment. 64
119. Belascoain, Baths of, Belascoain.  
Mineral water. 64
120. Calderon y Revuelta, Alceda. Sul-  
phuretted water. 64
121. Cano y Compania, Juan, Vitoria.  
Mineral water. 64
122. Carrillo y Rodriguez, Juan, Ocana.  
Mineral water. 64
123. Cervello y Chinesta, Elias, Cordoba.  
Chalybeate water. 64
124. Collazo, Emilio, Lugo. Chalybeate  
water. 64
125. Cortadellas, Jaime, Madrid. Saline  
water. 64
126. Fontagud Gargollo, Jose, Madrid.  
Mineral water. 64
127. Garcia Fernandez, Julio, Palas de  
Ray. Mineral water. 64
128. Garrido y Garrido, Castor, Vigo.  
Mineral water. 64
129. Goicoechea, Fermin, Pamplona. Min-  
eral water. 64
130. Higuera y Compania, H., Girona.  
Mineral water. 64
131. Leon y Llerena, Eduardo, Madrid.  
Mineral water. 64
132. Lopez Salazar y Hernandez Moreno,  
Ciudad Real. Mineral water. 64
133. Llata Rosillo, Manuel, Santander.  
Mineral water. 64
134. Madirolas y Codina., Ramon. Man-  
lleu. Mineral water. 64
135. Martinez Aragon, Hilario, y Crespo,  
Justo, Vinuesa. Chalybeate water. 64
136. Martorell, Francisco, Calella, Mine-  
ral water. 64

## Cereals, Pastes, Farm Products, Food Preparations.

Exhibit No.	Class'n No.
30. Uluargui y Ochoa, Eusebio, Logrono.	
<i>a</i> Wheat.	1
<i>b</i> Corn.	2
<i>c</i> Oats.	3
<i>d</i> Barley.	4
31. Villanueva y Canedo, Luis, Badajoz.	
Wheat.	1

## GROUP 2.

32. Castello y Vila, Francisco, Arenys de Mar.	Soup pastes.	15
33. Clot, Juan J., Madrid.	Soup pastes.	15
34. Fidalgo Perez, Gregorio, Badajoz.	Cakes.	13
35. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife.	Arrow-root.	16
36. Ladoyer y Metge, San Pedro de Premia.	Tapioca.	16
37. Marco Soriano, Juan, Villena.	Crackers.	14
38. Mirat e Hijo, Salamanca.		
<i>a</i> Soup pastes.		15
<i>b</i> Wheat and rice starch.		16

## GROUP 3.

39. Diaz, Gallo, Cardenete.	Honey.	26
40. Ferrer y Gili, J., Barcelona.	Fruit confections, etc.	27
41. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife.	Honey.	26
42. Garcia Luque, Mariano, Toledo.	Confections.	27
43. Marco Soriano, Juan, Villena.	Confections.	27
44. Mira Espi, Luis, Gijona.	Confectionery.	27
44a. Moneris e Hijo, Antonio, Gijona.	Nougat and almonds.	27
45. Monserrat y Hijo, Juan, Reus.	Confectionery.	27
46. Puzini Hermanos, Cordoba.	Syrup of orange flowers.	18
47. Segovia, Julian, Carrascosa de la Sierra.	Honey.	26
48. Velasco Barba, Jose de, Almendralejo.	Confectionery.	27

## GROUP 4.

49. Berlanga de Duero, Village of, Soria.	Potatoes.	28
50. Lober, Town of, Lugo.		
<i>a</i> Potatoes.		28
<i>b</i> Beets.		29

## GROUP 5.

51. Alemany Gil, S., Tarragona.	Vetches.	32
52. Alonso del Moral, Vicente, Salamanca.	Chick peas and vetches.	32

Exhibit No.		Class'n No.
53.	Bello y Gil, Jose, Logrono. Chick peas and French beans.	32
54.	Fernandez de la Devesa, Clemente, Medina del Campo. Chick peas and vetches.	32
55.	Fernandez e Hijos, Viuda de L, Medina del Campo. Chick peas and vetches.	32
56.	Giraldo Crespo, Eusebio, Medina del Campo. Chick peas.	32
57.	Magrina de Lopez, Mariano, Villalonga. Red vetches.	32
58.	Magrina y Suner, Antonio de, Tarragona. Vetches.	32
59.	Marin Casales, Eduardo, Valencia. Vetches.	32
60.	Mirat e Hijo, Salamanca. Chick peas.	32
61.	Orovio, Manuel de, Tarragona. Vetches.	32
62.	Querol y Bofarull, Fernando de, Tarragona. Vetches.	32
63.	Satorr As y Villanova, Antonio, Tarragona. Vetches.	32
64.	Serrano, Felix, Sajazarra. Beans.	32
65.	Uluargui y Ochoa, Eusebio, Logrono. Beans.	32
66.	Villanueva y Canedo, Luis, Badajoz. Chick peas.	32

## GROUP 6.

67. Caamano y Compania, J., Coruna.	Canned meats, etc.	36
68. Flores Sauret, Benito, Garrovillas de Alcovetar.	Sausages.	37
69. Goday, Juan, Villanueva de Arosa.	Sardines, etc.	36
70. Ladoyer y Metge, San Pedro de Premia.	Anchovies.	36
71. Lober, Town of, Lugo.	Hams.	34
72. Puig y Llagostera, Francisco, Barcelona.	Anchovies.	36
72a. Soler Malet, Pedro, Organa.	Sausages.	36

## GROUP 7.

73. Fernandez Rodriguez, Jacinto, Villarrobledo.	Cheese.	43
74. Garcia y Garcia, Manuel, Cerezal.	Butter.	42
75. Neira, Juan Bautista, Cerezal.	Cheese.	43
76. Villalba, Town of, Lugo.	Cheese.	43

## GROUP 8.

77. Aguirre e Hijos, Isidro, Munilla.	Chocolate.	45
78. Alique, Adrian, Portarubio.	Saffron and anise.	47

### Aromatic Substances. Mineral Waters.

Exhibit No.	Class No.
79. Casado Rodriguez, Fabian, Coruna. Chocolate.	45
80. Castella, Francisco, Barcelona. Choco- late.	45
81. Cayuela y Ramon, Jose, Murcia. Ground pepper.	47
82. Deza, Town of, Soria. Anise.	47
83. Diez Ubago, Placido, Cuzcurrita. Chocolate.	45
84. Enciso Ruiz, Hijos de Francisco, Munilla. Chocolate.	45
85. Fernandez, Francisco, Lugo. Choco- late.	45
86. Fernandez, Lorenzo, Albacete. Saf- fron.	47
87. Fernandez Rodriguez, Jacinto, Vil- larrobledo. Saffron.	47
88. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife. Coffee.	45
89. Garcia Fernandez, Jeronimo, Medina del Campo. Chocolate.	45
90. Garcia Luque, Mariano, Toledo. Cho- colate.	45
91. Lujan y Tendero, Tomas, Motilla del Palancar. Saffron.	47
92. Martinez, Viuda de Pedro, Albacete. Saffron.	47
93. Nicolau Hermanos, Albacete. Saffron.	47
94. Porcar y Tio, Manuel, Barcelona. Ground sweet pepper.	47
95. Ramos Beltran, David, Chercoles. Saffron.	47
96. Rubini e Hijos, Coruna. Chocolate.	45
97. Ruiz, Jeronimo, Murcia. Ground pep- per.	47
98. Saenz, Viuda de Laureano, Munilla. Chocolate.	45
99. Serra y Cuberta, Antonio. Chocolate.	45
100. Solana, Hijos de Norberto, Munilla. Chocolate.	45
101. Valtuena, Town of, Soria. Saffron.	47
102. Velasco Barba, Jose de, Almendral- eno. Chocolate.	45
103. Villalba, Sixto, Tarragona. Anise and cummin.	47

**GROUP 9.**

104.	Capdevila y Marin., Ramon, Cieza.	Esparto.	59
105.	Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife.	Pita fibre.	59
106.	Gomez Rodulfo, Hijos de Jeronimo, Bejar.	Wool.	60
106a.	Guirao, Luis F., Murcia.	Esparto fibre.	59
107.	Martinez e Hijos, Hellin.	Esparto.	59
108.	Ortega Saenz Diente, Cuenca.	Wool.	60

Exhibit No.		Class'n No.
109.	Parras, Enrique, Albacete. Esparto.	59
110.	Perales, Marques de, Madrid. Wool.	60
111.	Precioso Roche, Jose, Hellin. Es- parto.	59
112.	Soria Local Commission, Soria. <i>a</i> Hemp.	59
	<i>b</i> Wool	60
113.	Torre y Andres, Miguel, de la, Bada- joz. Ramie.	59
114.	Villanueva y Canedo, Badajoz. Wool.	60

**GROUP-10.**

115. Agreda, Town of, Soria. Sulphur-  
etted waters. 64
116. Arive, Baths of, Arive. Mineral  
water. 64
117. Avenoso, Mariano Andres, Madrid.  
"Nuevas Salinetas" mineral water. 64
118. Banos, Town of, Caceres. Sulphur-  
etted saline water and sediment. 64
119. Belascoain, Baths of, Belascoain.  
Mineral water. 64
120. Calderon y Revuelta, Alceda. Sul-  
phuretted water. 64
121. Cano y Compania, Juan, Vitoria.  
Mineral water. 64
122. Carrillo y Rodriguez, Juan, Ocana.  
Mineral water. 64
123. Cervello y Chinesta, Elias, Cordoba.  
Chalybeate water. 64
124. Collazo, Emilio, Lugo. Chalybeate  
water. 64
125. Cortadellas, Jaime, Madrid. Saline  
water. 64
126. Fontagud Gargollo, Jose, Madrid.  
Mineral water. 64
127. Garcia Fernandez, Julio, Palas de  
Ray. Mineral water. 64
128. Garrido y Garrido, Castor, Vigo.  
Mineral water. 64
129. Goicoechea, Fermin, Pamplona. Min-  
eral water. 64
130. Higuera y Compania, H., Girona.  
Mineral water. 64
131. Leon y Llerena, Eduardo, Madrid.  
Mineral water. 64
132. Lopez Salazar y Hernandez Moreno,  
Ciudad Real. Mineral water. 64
133. Llata Rosillo, Manuel, Santander.  
Mineral water. 64
134. Madirolas y Codina., Ramon. Mar-  
illeu. Mineral water. 64
135. Martinez Aragon, Hilario, y Crespo,  
Justo, Vinuesa. Chalybeate water. 64
136. Martorell, Francisco, Calella, Mine-  
ral water. 64

## Liquors and Alcohols.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
137. Mestre Roig, Luis, Grove.	Mineral	165. Cuesta, Gil de la, Briones.	Cognac
water.	64	and anisette.	69
138. Munoz y del Castillo, Angel Manuel,	Mineral water.	166. Diaz y Gomez, Fermin, Jaca.	Anisette.
Madrid.	64		69
139. Porcar y Tio, Manuel, Barcelona.	Mineral water.	167. Diaz Salazar y Compania, Haro.	Alcohol.
	64		68
140. Salmeron Amat, Jose, La Carolina.	Mineral water.	168. Domech y Compania, B. L., Santander.	Liqueurs, extracts of anise and rum, Chartreuse, etc.
	64		69
141. Suellacabras, Town of, Soria.	Sulphur water.	169. Domenech Aguilera, Vicente, San Andres de Palomar.	Cordial "Domenech," cognac and oriental anise.
	64		69
142. Vera y Garcia, Jose Maria, Mazarron.	Mineral water.	170. Erice, Antonio, Pamplona.	Cider.
	64		71
143. Villarijos, Town of, Soria.	Sulphur and chalybeate water.	171. Escat y Compania, Barcelona.	Curaçao, Benedictine and other liqueurs.
	64		69
GROUP 11.			
144. Abadia, Luis, Allo.	Vinegar.	172. Escribano Mayo, Jose Francisco,	Vinaroz. Vinegar.
	71		71
145. Agricultural Society, Igualada.	a Anise alcohol and pure alcohol.	173. Eslava, Jose, Valtierra.	Vinegar.
	68		71
	b Liqueurs.	174. Eslava, Rufino, Valtierra.	Vinegar.
	69		71
146. Agricultural Society, Valls.	Sweet anisette and dry anisette.	175. Esteban, Dionisio, Fustiñana.	Vinegar.
	69		71
147. Alberola, Rafael, Cuatretonda.	a Alcohol.	176. Esteller Pruñonosa, Manuel, Vinaroz.	Orange wine.
	68		69
	b Imperial anise.	177. Farreras y Chapellier, San Martin de Provensals.	Liqueurs, Benedictine, rose, cognac, anise and grog.
	69		69
148. Alfonso y Pastor, Juan Bautista,	Castellon. Aromatic liqueur.	178. Farres Jaumandreu, Antonio, San Cugat del Valles.	Vinegar.
	69		71
149. Amorós, Cristóbal, Villena.	Alcohol.	179. Fernandez de Soria, Fernando.	Villafraanca de los Barros.
	68		68
150. Aoiz, Manuel, Arroniz.	Vinegar.		71
151. Arbeloa, Pablo, Dicastillo.	Vinegar.		71
	71		71
152. Armendariz, Eduardo, Munizebal.	Vinegar.	180. Figueroa de Battistini, Dolores, Madrid.	Vinegar.
	71		71
153. Armendariz, Francisco, Falces.	Vinegar.	181. Flos y Miralles, Rafael.	San Martin de Provensals. Chartreuse and Curaçao, imitation.
	71		69
154. Arquinano, Pablo, Estella.	Anisettes.	182. Olvete, Francisco, Ciga.	Cider.
	69		71
155. Beltran y Ibañez, Adolfo, Albacete.	Alcohol of 97 degrees.	183. Garcia Castilla, Raimundo, Burgos.	Vinegars.
	68		71
156. Bernal y Garcia, Lorenzo, Valladolid.	Liqueurs and extract of anise.	184. Garcia, Cecilio, Corella.	Alcohols.
	69		68
157. Bosch y Vietti, Martin, Barcelona.	Vermouth.	185. Garcia, Diego, Guadalajara.	Vinegar.
	70		71
158. Boyer y Compania, C., Pasajes.	Vermouth.	186. Garcia Fernandez, Jeronimo.	Medina de Campo. Vinegar.
	70		71
159. Buhler y Auge Issanjou, I. C., Dai-nich.	Vermouth.	187. Gil Hernandez, Esteban, Nava del Rey.	Vinegar.
	70		71
160. Camara y Argueso, Marcial de la,	Valencia. "Spanish" cognac.	188. Gispert y Pujols, Manuel, Barcelona.	Vinegar.
	69		71
161. Cia, Gumersindo, Mañeru.	Vinegar.	189. Gracia Ortiz y Hermanosi, Felix,	Villarrobledo. Vinegars.
	71		71
162. Cima y Garcia, Jose, Oviedo.	Cider.	190. Gracia Poveda, Luis, Villena.	Alcohols.
	71		68
163. Coll de Baldrich, Juan Ramon, Valls.	Vinegar.	191. Guaqui, Conde de, Andion.	Cordial, anise and triple anise.
	71		69
164. Corbera y Hijo, Figueras.	Anisettes.	192. Guillén, Ricardo y Girones, Agustin,	Villena. Alcohol.
	69		68
		193. Hernandez Gabaldón, Juan, Villena.	Alcohol.
			68

## Liquors, Alcohols, Literature.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
194. Hernandez Hurtado, Francisco, Villena. Alcohol.	68	223. Pomes, Viuda de Pablo, Bilbac. Vermouth, bitter and anisette.	70
195. Hurtado, Andrés, Villena. Alcohol and aromatic alcohol.	68	224. Pons y Cerda, Francisco, Valencia. Alcohol.	68
196. Hurtado y Hurtado, Villena. a Alcohol.	68	225. Prat, Saturnino, Manresa. Alcohol.	68
b Liqueur of nuts.	69	226. Puig y Llagostera, Francisco, Barcelona. Vinegar.	71
197. Ladoyer y Metge, San Pedro de Premia. Vinegar.	71	227. Pujol, Joaquin y Eduardo, Sans. Anise "Espanol."	69
198. Lopez Ramos, Vicente, Valencia. Alcohol.	68	228. Quecuty Ponce de Leon, Enrique, Chiclana de la Frontera. Alcohol.	68
199. Macho Mesones, Francisco, Rueda. Vinegar.	71	229. Quesada, Juan, Arganda. Vinegar.	71
200. Magrina y Suñer, Antonio de, Tarragona. Vinegar.	71	230. Ruiz, Antonio, Villafranca. Anisette.	69
201. Masso Tebar, Javier, Albacete. Zorracapote.	69	231. Salvado, Hermanos, Barcelona. Vinegar.	71
202. Mercader Menages, P., Barcelona. Vermouth.	70	232. Salvo, Paula, Carcastillo. Vinegar.	71
203. Migueloa, Lizabe y Compania, Zaragoza. Alcohol.	68	233. Sanchis, Jose Maria, Muniain. Vinegar.	71
204. Milan Navarro, Bartolome, Villena. Alcohol.	68	234. Sans Bori, Sebastian, Sitges. Liqueurs.	69
205. Molos Mier, Juan, Medina del Campo. Vinegar.	71	235. Sanz Espeso, Donato, La Seca. Vinegar.	71
206. Monistrol, Marques de, Madrid. Cognac.	69	236. Torre y Bordons, Ramon de la, San Gervasio de Cassolas. Anisette "Tentacion."	69
207. Meazó Hermanos, Albaida. Alcohol.	68	237. Torres y Castells, Jose, Barcelona. "Quina Momo" liqueur.	69
208. Morera, Avelino, Tarragona. Anisette.	69	238. Trincado, Miguel, Lodosa. Vinegar.	71
209. Montfort, Carlos, Barcelona. "Montfort" rum.	67	239. Valle, Ballina y Fernandez, Villaviciosa. Champagne cider.	71
210. Muñoz y Cardenas, Claudio E., Gijon. Champagne cider.	71	240. Valles Allue, Antonio, Bandalies. Vinegar.	71
211. Obanos, Town of, Navarra. Vinegar.	71	241. Vallejo, Luis, Peralta. Vinegar.	71
212. Oteiza, Felipe, Navarrete. Cider.	71	242. Vano Hermanos, Valencia. Alcohol.	68
213. Palacio y Palacio, Antonio, Zaragoza. Anisette "Palacio."	69	243. Velasco Barba, Jose de, Almendralejo. Alcohol.	68
214. Palacios, Siro y Luis, Valdepeñas. Alcohol.	68	244. Vidal y Hermano, Casimiro, Vendrell. Liqueurs, assorted.	69
215. Parera, Juan, Zaragoza. Liqueur, rose and hygienic cordial.	69	245. Vila Bassa, Juan, Tarragona. Vinegar.	71
216. Parera y Volast, Felipe, Granollers. a Rum.	69	GROUP 12.	
b Extract of anise and cognac "Parera."	67	246. Damm y Compania, Barcelona. "Golondrina" beer and "bock" beer.	73
217. Pascual, Hijos de, Madrid. Rum.	67	247. Matossi, Fanconi y Compania, Santander. Export beer.	73
218. Pastor, Jose Antonio, Villena. Alcohol.	68	GROUP 14.	
219. Pey y Mallol, Paulino, Figueras. Rum.	67	247a. Compania general de Tabacos de Filipinas. Barcelona. Views of works.	
220. Pimentel y Hermanos, J., Rueda. Vinegar.	71	GROUP 15.	
221. Pi Montllo, Antonio, Falset. Vermouth and anise.	70	248. Llorente y Arregui, Aniceto, Burgos. Work on agriculture.	83
222. Planters' Association, Chinchon. Alcohol.	68	249. Magrina y Suñer, Antonio de, Tarragona. Work on agriculture.	83

## Dairy, Fats and Oils.

Exhibit No.	Class'n No.
250. Ortiz de Canavate, Fernando, Madrid. Works on silkworm culture and on cheese and butter making.	83
251. Sala y Carrera, Esteban, Tarragona. Works on agriculture.	83

## GROUP 18.

252. Agricultural Society, Igualada. Olive oil.	95
253. Alcate Azcoitia, Casiano, Logrono. Olive oil.	95
254. Alemany Gil, S., Tarragona. Olive oil.	95
255. Alfaro, Manuel Maria, Fitero. Olive oil.	95
256. Alique, Adrian, Portalrubio. Olive oil.	95
257. Almudevar, Francisca, Huesca. Olive oil.	95
258. Amoros, Cristobal, Villena. Olive oil.	95
259. Anton Fernandez, Francisco, Muchamilel. Olive oil.	95
260. Arbeloa, Pedro, Dicastillo. Olive oil.	95
261. Arjona, Viuda de Rafeal, Navarrete. Olive oil.	95
262. Barbera Falco, Jose, Valencia. Olive oil.	95
263. Bellod, Martin, Villena. Olive oil.	95
264. Benjumea, Fernando y Jose Maria, Puebla de Cazalla. Olive oil.	95
265. Bernis, Francisco de, Sevilla. Olive oil.	95
266. Borja, Town of, Zaragoza. Olive oil.	95
267. Briones y Briones, Jose Maria, Navarrete. Olive oil.	95
268. Cano y Fernandez, Minguel, Murcia. Olive oil.	95
269. Casciaro y Lobato, Pedro, Cartagena. Olive oil.	95
269a. Castelvi, Luis, Barcelona. Olive oil.	95
270. Civera y Mas, Jose Maria, Palma de Mallorca. Olive oil.	95
271. Coll de Baldrich, Juan Ramon, Valls. Olive oil.	95
272. Conill Hermanos, Barcelona. Olive oil.	95
273. Dominguez de la Plomera, Tomas, Navarrete. Olive oil.	95
273a. Escribano, Antonio J., Madrid. Olive oil.	95
274. Escribano Mayo, Jose Francisco Vinaroz. Olive oil.	95
275. Eslava, Rufino, Valtierra. Olive oil.	95
276. Estadas, Conde de, Santisteban del Puerto. Olive oil.	95

Exhibit No.	Class'n No.
277. Esteller Prunonosa, Manuel, Vinaroz. Olive oil.	95
278. Estelles Gadea, Gerardo, Valencia. Olive oil.	95
279. Fernandez de Navarrete, Cristino, Vitoria. Olive oil.	95
280. Fernandez y Cosmen, Victoriano, Los Navalmorales. Olive oil.	95
281. Ferrete Soronellas, Javier, Selva de Campo. Olive oil.	95
282. Fontcuberta y de Perramont, Trinidad de. Olive oil.	95
283. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife. Wax.	95
284. Garcia, Diego, Guadalajara. Olive oil.	95
285. Gispart y Pujals, Manuel, Barcelona. Olive oil.	95
286. Gomez de la Lama, Luis, Sevilla. Olive oil.	95
287. Grana e Hijos, Enrique, Malaga. Olive oil.	95
288. Grau Montane, Jose, Ruidoms. Olive oil.	95
289. Guel y Vilata, Antonio, Olesa de Montserrat. Olive oil.	95
290. Hortal Escribano, Ignacio, Salamanca. Olive oil.	95
291. Huguet, Prudencio, Abitias. Olive oil.	95
292. Ibanez de Lara, Luis, Valencia. Olive oil.	95
293. Iglesias y Nadal, Jose, Albages. Olive oil.	95
294. Isasa y Valseca, Santos de, Madrid. Olive oil.	95
295. Isern, Casas y Bordas, Sevilla. Olive oil.	95
296. Jimenez, Babil, Tafalla. Olive oil.	95
297. Lopez y Lopez, Pascasio, Villena. Olive oil.	95
298. Magrina de Lopez, Mariano, Villalonga. Olive oil.	95
299. Magrina y Suner, Antonio de, Tarragona. Olive oil.	95
300. Mangado, Andres, Falces. Olive oil.	95
301. Marimon y Lloret, Francisco, Esparraguera. Olive oil.	95
302. Marin Casals, Eduardo, Valencia. Olive oil.	95
303. Martin, Manuel, Cascante. Olive oil.	95
304. Matheu Sabater, Juan, Tarragona. Olive oil.	95
305. Medrano, Pedro N., Fitero. Olive oil.	95
306. Mendez, Felipe, Mairena del Alcor. Olive oil.	95

## Fats and Oils, Miscellaneous.

Exhibit No.	Class'n No.
37. Miguel, Juan de, Tudela. Olive oil.	95
38. Mira Paya, Francisco, Pinoso. Olive oil.	95
39. Morales, Viuda de, Monteagudo. Olive oil.	95
40. Morcillo y Garcia, Jose, Carrabanchel. Soap and a soap statue.	98
41. Moreno Mazon e Hijos, Trinidad, Madrid. Olive oil.	95
42. Mur, Jose, Salas Altas. Olive oil.	95
43. Murrieta y Garcia, Luciano, Logrono. Olive oil.	95
44. Navascues, Ramon, Cintruenigo. Olive oil.	95
45. Naya Buil, Miguel, Liesa. Olive oil.	95
46. Obanos, Town of, Navarra. Olive oil.	95
47. Oliag, Vicente, Valencia. Olive oil.	95
48. Orovio, Manuel de, Tarragona. Olive oil.	95
49. Palop Aparicio, Jose Antonio, Ronda. Olive oil.	95
50. Palou y Barbarin, Miguel, Palma de Mallorca. Olive oil.	95
51. Paredes Guillen, Vicente, Plasencia. Olive oil.	95
52. Parras, Enrique, Albacete. Olive oil.	95
53. Pascual de Bonanza, Luis Cruz, Elche. Olive oil.	95
54. Paul, Manuel de, Huevar. Olive oil.	95
55. Paya Santonja, Miguel, Villena. Olive oil.	95
56. Peyra y Mach, Hijos de, Barcelona. Olive oil.	95
57. Porcar y Tio, Manuel, Barcelona. Olive oil.	95
58. Priego, Tomas, Priego. Olive oil.	95
59. Puig y Llagostera, Francisco, Barcelona. Olive oil.	95
60. Pujol, Hermanos y Compania, Ramon, Lerida. Olive oil.	95
61. Querol y Bosarull, Fernando de, Tarragona. Olive oil.	95
62. Ramirez Ortiz, Felix. Olive oil.	95
63. Reguer, Marques del, Palma de Mallorca. Olive oil.	95
64. Ribot Volla, Baudilio, Tarragona. Olive oil.	95
65. Ripa, Ingenio, Aberin. Olive oil.	95
66. Rius, Conde de, Tarragona. Olive oil.	95
67. Romeo, Leopoldo, Cintruenigo. Olive oil.	95

Exhibit No.	Class'n No.
338. Romero de la Torre, Bartolome, Cordoba. Olive oil.	95
339. Ruiz Ochogavia, Bruno, Villamediana. Olive oil.	95
340. Salanueva, Filoteo, Arroniz. Olive oil.	95
341. Salmeron, Jose, La Carolina. Olive oil.	95
342. Salvado, Hermanos, Barcelona. Olive oil.	95
343. San Adrian, Marques de, Monteagudo. Olive oil.	95
344. Sanchis, Jose Maria, Muniain. Olive oil.	95
345. Sevil Hermanos y Compania, Tarragona. Olive oil.	95
346. Sigues, Jose Maria, Cintruenigo. Olive oil.	95
347. Torella y Font, Magin, Olesa de Montserrat. Olive oil.	95
348. Torre, Baronesa de la, Cintruenigo. Olive oil.	95
349. Vila Bassa, Juan, Tarragona. Olive oil.	95
350. Vilches, Joaquina, Valtierra. Olive oil.	95
351. Vives y Colom, Antonio, Deya. Olive oil.	95

Exhibits Classed in other Departments but Installed in this.

## DEPARTMENT C.

## GROUP 35.

352. Casanas y Gonzalez, Antonio Maria, Villa de la Orotava. Canary Islands. Cochineal.	234
352. Foranda y Mandillo, Pedro de. Santa Cruz de Tenerife. Cochineal.	234

## GROUP 36.

354. Roas Carpetudo, Eduardo, Badajoz. Mounted specimens of bustard, quail, etc.	236
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## DEPARTMENT N.

## GROUP 19.

355. Alfranca y Peralta, Mariano, Alfajarin. Licorice.	108
356. Becerra, Rodriguez y Compania, Serrejon. Cork.	104
357. Covaleta, Town of, Province de Soria. Pine lumber.	110
358. Diaz Agero, Conde de Malladas, Agustin, Madrid. Cork.	104

## Miscellaneous.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
359. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife.		366. Museo-Biblioteca de Ultramar, Madrid. Very large collection of woods from the Philippine Islands.	99
<i>a</i> Dye-wood, etc.	103	367. Picazo, Jose Maria, La Roda. Sumach.	108
<i>b</i> Moss.	105	368. Pinohermoso, Conde de, Madrid. Licorice.	104
<i>c</i> Sarsaparilla.	108	369. Pueyo, Pablo. Chamomile.	108
360. Gonzalez Sandoval, Federico, Cuenca.		370. Roncero y Garcia, Misael, Huelva. Cork.	104
<i>a</i> Samples of hardwood.	101	371. Torrebadella e Hijos, P., San Martin de Provencals. Tanning and dye materials.	103
<i>b</i> Dye-woods.	103	372. Vila Saglietti, Hermenegildo, Barcelona. Books and papers on the cork industry.	104
361. Humanes Combelo, Julian, Lominchar. Licorice.	108	373. Zero y Herrera, Tomas, Villa de la Orotava (Canarias). Canary pine.	99
362. Instituto provincial, Cuenca. Large collection of woods of the country collected and prepared by the pupils.	99		
633. Jaramillo y Ruiz de Alarcon, Juan Jose, Carrascosa del Campo. Acorns.	108		
365. Lopez, Montenegro y Muro, Pedro, Caceres. Cork.	104		
365. Moreno y de Benito, Tudela. Licorice.	108		

## SWEDEN.

## LOCATION—SEC. A.—N. E. QUARTER.

## Cereals, Food Preparations, Dairy, Liquors,

GROUP 1.		Exhibit No.	Class'n No.
1. Paykull, Gustaf von, Knifsta.		11. Barnekows S. Tekn. Kem. Laboratorium, Maimo. Extract of cheese runnet.	43
<i>a</i> Rye.	5	12. Stockmula, Dingtuna. Cheese.	43
<i>b</i> Clover seeds.	9	13. Surahammars Bruks Aktiebolag, Surahammar. Milk separators and butter extractors. Swedish Pav.	44
2. Chrysander, J., & Co., Gothenburg. Pastry.		14. Tofverums Mejeri, Wimmerby. Cheese.	43
3. Chrysander, J., & Co., Gothenburg. Confections.		15. Wedholm, C. A., Nyköping. Milk cans, cheese-frames, milk-strainers.	44
GROUP 6.		GROUP 8.	
4. Kullberg, G., & Co., Gothenburg. Caviar; preserved craw-fish tails.		16. Winborg, Th., & Co., Stockholm.	
7. Lyseil, Aug., Lysekil. Oysters, herring and anchovy.		<i>a</i> Cocoa, coffee substitute. Sec. 8	45
8. Ohlsson, Carl & Hansson, Gothenburg.		<i>b</i> Mustard.	47
<i>a</i> Herring, anchovy, fish-balls.	36	GROUP 11.	
<i>b</i> Pudding.	37	17. Bagge, Axel, & Co., Gothenburg. Arrac punch.	70
9. Winborg, Th., & Co., Stockholm. Sauces.	37	19. Heileberg, A. L., & Son, Stockholm. Punch.	70
GROUP 7.		20. Liljeholmen's Vinfabrik, Stockholm. Punch.	70
10. Aktiebolaget Radiator, Stockholm. Cream and butter extractor. 34-D-B			

Liquors, Farm Machinery, Fertilizers.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
21. Lindgren, C. A., & Co., Stockholm.		<b>GROUP 16.</b>	
Punch.	70	24. Aktiebolaget Palmcrantz, Stockholm.	
22. Landberg, J. L., & Co., Stockholm.		Harvest machines.	86
Punch.	70	25. Sundgren, Olof, Ostersund. Centrifugal winnower.	87
22a. Söner, J. Cederlunds, Stockholm.		26. Svalling, G. V., & Co., Molntorp.	86
Punch.	70	Scythes.	86
The renowned genuine "Caloric Punch."		<b>GROUP 17.</b>	
Luyt's Brothers, New York, sole agents.		27. Nystrom, R. & H., Gothenburg.	
23. Winborg, Th., & Co., Stockholm.		Guano and fodder.	92
Vinegar.	Sec. 8 71		

SWITZERLAND.

LOCATION—SEC. C.—S. E. QUARTER.

Dairy, Liquors, Root Crops.

<b>GROUP 7.</b>		<b>GROUP 11.</b>	
Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Société de la Farine Lactée, Vevey.		5. Pernod, Edouard, Couvet. Absinthe.	
a Milk.	41		70
b Butter.	42	"Swiss Absinthe," "Kirschwasser" and "Gentiane." Largest and oldest distillery of Absinthe in Switzerland. Product exported to all parts of the world. Luyties Brothers, New York, sole agents.	
c Cheese.	43	6. Zuger Kirschwasser Gesellschaft, Zug. Liquors.	70
<b>GROUP 8,</b>		<b>GROUP 12.</b>	
2. Kohler, Amédée, & fils, Lansanne. Chocolate.	45	7a. Hurlimann, Enge-Zurich. Beers.	73
3. Russ-Suchard & Co., Neuchatel-Serrières. Chocolate.	45		

## TRINIDAD.

LOCATION—SEC. B—N. W. QUARTER.

Cereals, Sugars, Fibres, Miscellaneous.

GROUP 1.		Class'n No.
1. Meaden, C. W., Chaguanas.		2
2. Sugar		6
3. Sorghum and pit train meal.		11

GROUP 2.		
1. Meaden, C. W., Chaguanas. Starch.	16	
2. Royal Botanic Garden. Starches of various kinds.	16	

GROUP 3.		
1. Burnley, Wm. F., & Co. White, yellow and brown sugars.	18	
2. Cummings, A., & Co. White and yellow sugars.	18	
3. Gregorio Bros. Honey and bees wax.	26	
4. Lamont, John. Dark sugar.	18	
5. Meaden, C. W., Chaguanas. Honey.	26	
6. Smyth, John Bell. White and yellow sugars.	18	
7. Stewart, Turnbull & Co. White, yellow and brown sugars.	18	
8a. Treadant, Sir Charles. White, yellow and syrup sugars.	18	

GROUP 4.		
1. Burnley, W. F., & Co. Coffee.	45	
2. Centeno, Leon. Cocoa.	45	
3. Cummings, A., & Co. Cocoa.	45	
4. D'Abadie. Cocoa.	45	
5. Gannon, Y. G. de. Cocoa.	45	
6. Hart, Z. H. Cigars.	49	
7. Julian, Archer & Co. Cocoa.	45	
8. Lota, Dr. Chocolate.	45	
9. Marryat, A. P. Cocoa.	45	
10. Meaden, C. W., Chaguanas.	45	
11. Nuts.	47	
12. Gingers and peppers.	47	
13. Manufactured chocolate from Trinidad beans.		
14a. Royal Botanic Garden.		
15. Cocoa, kus-kus, mate and cocoa.	45	
16. Cigars.	52	

GROUP 5.		
1. Meaden, C. W., Chaguanas. Fibres from banana stems.	59	

Exhibit No.	Class No.
19a. Royal Botanic Garden. Fibres of various kinds.	

GROUP 11.		
20. Burnley, Wm. F. & Co. White rum.		
21. Colonial Co. Limited. White rum.		
22. Cummings, A., & Co. White rum.		
22a. Haley & Co., C. L. Wormwood and Falernum bitter.		
23. Morin, Felix. Liqueurs.		
24. Siegert, Dr. Y. Y. B., & Sons. A. gostura bitters.		
25. Turnbull, Stewart, & Co. White and colored rum.		

GROUP 18.		
26. Hales, C. L. Coconut oil.		
27. Meaden, C. W., Chaguanas. Castor oil.		

Exhibits Classed in Other Department but Installed in This.

## DEPARTMENT B.

GROUP 21.		
28. Hart, Z. H. Fruits preserved in brine.		

GROUP 23.		
29. Hart, Z. H. Pickles and chutney.		
30. Royal Botanic Garden. Chutney.		

## DEPARTMENT C.

GROUP 28.		
31. Siebright & Wadley, Trinidad. F. of Zebu, or Mysore cattle; specimen of the sacred cattle of the Hindus.		

## DEPARTMENT E.

GROUP 43.		
32. Archer, L. H., & Co. Raw asphalt from La Brea.		
33. Colonial Government. Lignite.		
34. d'Abadie, Mrs., Raw asphalt from Pitch Lake and glance asphalt from M. serrat.		

## Miscellaneous.

Exhibit No.	Class'n No.
35. Lange, Eugene. Rock and iron pitch.	293
36. McClean, Charles H. Coal.	292
37. Pile, Theodore. Bituminous coal.	292
<b>GROUP 47.</b>	
38. Archer, Julian H. & Co. Land asphalt.	312
39. Colonial Government. Liquid Asphalt.	312
40. Grant, Gordon & Co. Asphalt.	312
41. Lange & de Verteuil. Lave artificielle.	311
42. Trinidad Asphalt Co. Raw asphalt.	312

**DEPARTMENT H.****GROUP 87.**

43. Hart, Z. H. Essential oil.	549
44. Morin, Felix. Cologne.	549
45. Richards Alfred, & Co., Extract of Cousin Mahoe.	549
46. Royal Botanic Garden. Essential oils.	549

**GROUP 91.**

47. Meaden, C. W., Chaguanas. Pottery.	575
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**DEPARTMENT L.****GROUP 151.**

Exhibit No.	Class'n No.
48. Morin, Felix. Photographic views and types.	871

**DEPARTMENT N.**

49. Burnley, Wm. F. & Co. Two panels of saman wood and scantling of same.	100
50. Hart, Z. H., Royal Botanic Garden. Specimens of giant striped and common bamboos.	113
51. Meaden, C. W., Chaguanas.	
a Cart naves, spokes and felloes of balata, locust, zapara and angeline woods, axe handles and tool handles of purple heart, guave and acoma woods, and specimens of turned woods for furniture of purple heart, olivier and zapara.	100
b Panels of hardwood, composing balata, cedar, purple heart, poin, locust, mangrove and others.	101
52. Richards, Alfred. Extract of Cousin Mahoe.	108

**TUNIS.****LOCATION—TUNIS PAVILION,****Cereals, Aromatic Substances.****Collective Exhibit.****SOUTH END.****GROUP 1.**

Exhibit No.	Class'n No.
1. Ahmed ben El Hadj Hassen Longo, Gafsa.	
a Wheat in straw.	1
b Corn on stalk.	2
2. Ahmed ben Mustapha Toumi Mahdia.	
Wheat.	1
3. Ibrahim Sioud Cheikh, Mahdia. Millet.	8
4. Ibrahim Sioud Cheikh, Rejiche Mahdia.	
Corn.	2
5. Cheikh Mohamed ben Mustapha, Mahdia. Barley.	4
6. Hadj Ali ben Guidida, Mahdia. Wheat.	1

Exhibit No.	Class'n No.
7. Hadj el Hajemi ben Nejemi, Mahdia.	
a Wheat.	1
b Corn.	2
c Barley.	4
8. Hadj Hassen el Khoamiri, Outed Nasser.	
a Wheat.	1
b Barley.	4
9. Hassen, Braham Bouchenek, Mahdi.	
Barley.	4
10. Lancon, Emile, Kanghat.	
a Wheat.	1
b Oats.	3

**GROUP 8.**

11. Cusson, Marie del Rose, Sonssc.	
Red pepper.	47

## Fibres, Liquors, Miscellaneous Products.

## GROUP 9.

Exhibit No.		Class'n No.
12.	Arbib, D. et A., Sfax. Alfa.	59
13.	Arbib, Joseph, Sfax. Alfa.	59
14.	Hai de ch, Bessis, Sfax.	
	a Alfa.	59
	b Wool.	60

## GROUP 11.

15.	Salah ben Ammar, Tozeur.	
	a Cotton.	58
	b Wool in the fleece.	60
16.	Licari, G. & E., Tunis. Bitters and aperients.	70
17.	Selon, Celestin, Tunis. Bitters.	70
18.	Tandile, L., Sousse. Bitters.	70
19.	Viguiet, Tunis. Aperients.	70

## GROUP 17.

20.	Direction de l'Agriculture, Tunis. Hides.	90
21.	Vieuvignon, Louis, Kef. Phosphate of lime.	93

## GROUP 18.

22.	Ahmed, ben Magroum, Sousse.	
	a Olive oil.	95
	b Olive oil for cleansing.	96
23.	Arbib, D. & A., Sfax. Olive oil.	95
24.	Arbib, Joseph, Sfax. Olive oil.	95
25.	Cheikh, Mohamed ben Mustapha, Mahda. Olive oil.	95
26.	Cusson, Marie, Rose. Sousse. Olive oil.	95
27.	Demange, freres, Tunis. Olive oil.	95
28.	Duvan, Albert, Tunis. Olive Oil.	95
29.	Espina et Novak, Mahdia. Olive oil.	95
30.	Hadj el Hajemi ben Nejemi, Mahdia. Olive oil.	95
31.	Hadj Mohamed El Ach et Cie, Sfax. Soaps.	96
32.	Hai de ch. Bessis, Sfax. Olive oil.	95
33.	Hassen Braham Bouchenek, Mahdia. Olive oil.	95
34.	Medina et Hayat, Monastir. Olive oil.	95
35.	Mohamed ben Romdan, Mahdia.	
	a Olive oil.	95
	b Olive oil soap.	96
36.	Pariente, Giacomo, Djerba. Olive oil.	95
37.	Societe Generale de Huileries du Sahel tunisien, Sousse.	
	a Olive oil.	95
	b Olive oil soap.	96
38.	Tahar ben El Hadj Ahmed Caid, El Oudiane. Olive oil.	95

## DEPARTMENT B.

## GROUP 20.

Exhibit No.		Class'n No.
39.	Ahmed ben El Hadj Hassen Longo Gasfa.	
	a Red wine.	127
	b Date brandy.	131
40.	Ahmed Bennour, Mahdia. White wine.	127
41.	Aube et Cie., L'Houina. Red wine.	127
42.	Baucourt, Comte de, Caroubiers.	
	a White wine.	126
	b Red wine.	127
43.	Bokobsa, A., La Soukra.	
	a White wine.	126
	b Red wine.	127
44.	Cartier, Antelme, Sfax.	
	a White wine.	126
	b Red wine.	127
45.	Crete & Cie, Tunis.	
	a White wine.	126
	b Red wine.	127
	c Brandy.	131
46.	Crete, Virgile, Tunis.	
	a White wine.	126
	b Red wine.	127
47.	David, Louis, La Marsa.	
	a White wine.	126
	b Red wine.	127
	c Brandy.	131
48.	Duvau, Albert, Tunis.	
	a Red wine.	127
	b Brandy.	131
49.	Duvau, Marc, Tunis. White wine.	126
50.	Lancon, Emile, Kanhath	
	a White wine.	126
	b Red wine.	127
	c Brandy.	131
51.	Mangiavacchi, Achille, Tunis.	
	a White wine.	126
	b Red wine.	127
52.	Moret et Boussand, Mornay.	
	a White wine.	126
	b Brandy.	131
53.	Pariente, Giacomo, Djerba.	
	a White wine.	126
	b Red wine.	127
54.	Raccah, Jacob, Tunis. Brandy.	131
55.	Reichenbach, & Cie., F., Tunis.	
	a White wine.	126
	b Red wine.	127
	c Brandy.	131
56.	Selon, Celestin, Tunis. Brandy.	131
57.	Terras, Jean Marie, Tunis.	
	a White wine.	126
	b Red wine.	127
58.	Viguiet, Tunis. Brandy.	131

## Miscellaneous.

## GROUP 21.

Exhibit No.		Class'n No.
59.	Ahmed ben El Hadj Hassen Longo, Gafsa.	
	a Lemons, citron, etc.	184
	b Olive branches with their fruit, pomegranate. Pistachio branch with their fruit.	135
	c Figs.	139
60.	Arbib, D. & A., Sfax. Almonds and pistachio nuts.	137
61.	Arbib, Joseph, Sfax. Almonds and pistachio nuts.	137
62.	Bonnenfant, Alexandre, Gaves. Dates.	139
63.	Cusson, Marie Rose, Sousse. Dates.	139
64.	Duvan, Albert, Tunis. Vinegar.	148
65.	Grente et Martinengo, Tunis. Fresh dates.	135
66.	Hai de Bessis, Sfax.	
	a Almonds and pistachio nuts.	137
	b Dates, raisins.	139
67.	Helft, Marc, Tunis. Dates.	139
68.	Mohamed Sabah ben Brahim ben Haouidi, Nefta. Dates.	139
69.	Revol & Cie., Jean, Sfax. Dates.	139
70.	Salah ben Ammar, Tozeur.	
	a Pomegranates.	135
	b Dates.	139
71.	Tahar ben El Hadj Ahmed Caid, El Oudiane. Dates.	139
72.	Telher, Leon, Tozeur. Dates.	139
73.	Temsit et Sauges, Tunis. Dates.	139

## GROUP 23.

74.	Bokobsa fils, A., Lasonkra. Peas.	172
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## DEPARTMENT D.

## GROUP 37.

75.	Aliben Mahmed Nouira, Mahdia.	
	a Sponges.	241
	b Octopus.	243
76.	Hai de Ch. Bessis, Sfax. Sponges.	241
77.	Pariente, Giacomo, Djerba. Sponges.	241

## DEPARTMENT E.

## GROUP 42.

78.	Direction de l'Agriculture, Tunis. Collection of ores.	291
79.	Societe du Cometa, d'Etudes des Mines de Tabarka, Paris. Iron ore.	291

21-A

## GROUP 47.

Exhibit No.		Class'n No.
80.	Pariente, Giacomo, Djerba. Lime.	309

## DEPARTMENT H.

## GROUP 87.

81.	Cusson, Marie Rose, Sousse. Rose essence.	549
82.	Duvau, Albert, Tunis. Anti-cholera liqueur.	547
83.	Mohamed, ben Ajache, Mahdia. Rose essence.	549
84.	Tournier, Jean Joseph, La Marsa. Wine of quinine.	547

## GROUP 90.

85.	Boutros, Helveh, Tunis. Drawing room furniture.	572
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## GROUP 91.

86.	Cusson, Marie Rose, Sousse. Porcelain of Carthage and Tunis.	578
87.	Raccah, Jacob, Tunis. Pottery of Nabeul.	578

## GROUP 92.

88.	Saaah ben Hassouna ben Fadel, Mahdia. Sculptured stone.	582
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## GROUP 96.

89.	Thiery et Bosserelle, Paris. Wood carving from Tunis.	598
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## GROUP 98.

90.	Cohen, M., Tunis.	
	a Gold jewelry.	612
	b Jewelry.	613

## GROUP 100.

91.	Cisson, Marie Rose, Sousse. Silks.	628
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## GROUP 101.

92.	Raccah, Jacob, Tunis. Articles made of Alfa.	634
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## GROUP 103.

93.	Ahmed ben Hadj Hassen Longo, Gafsa. Blankets.	642
94.	Cusson, Marie Rose, Sousse.	
	a Blankets.	642
	b Carpets.	649
95.	Raccah, Jacob, Tunis. Blankets.	642

## Miscellaneous.

GROUP 111.		
Exhibit No.		Class'n No.
96.	Arbid, D. A., Sfax. a Goat skins. b Tanned leathers.	696 697
97.	Arbid, Joseph, Sfax. a Goat skins. b Tanned leathers.	696 697
98.	Mohamed Salah ben Brahim Haouidi Nefta. Sheep skins.	ben 696

DEPARTMENT L.		
GROUP 158.		
Exhibit No.		Class'n No.
99.	Salomone, Louis, Tunis. Music Tunis.	Music 9
DEPARTMENT N.		
100.	Direction de l'Agriculture, Tunis Forest products.	

## URUGUAY.

## LOCATION—SEC. A., N. E. QUARTER.

## Cereals, Bread, Confectionery, Tobacco, Animal Fibres.

GROUP 1.		
Exhibit No.		Class'n No.
1.	Assarte, Antonio. Wheat flour.	11
2.	Barreto, Quintin. Saldome grain.	7
4.	Crosa, Tomas. Wheat.	1
5.	Delucchi, C., & Son. Grain.	
6.	Exposition Committee. Collective exhibit of cereals.	
7.	Gonzales, Jacinto. Saldome grain.	7
8.	Great Oriental Distillery. a Wheat. b Corn. c Barley.	1 2 4
9.	Hermanos, P. Margat. Alfalfa hay.	9
10.	Larranaga, Jose. Wheat flour.	11
11.	Longuas, Luis, Lerena. a Barley. b Rye. c Grain.	4 5 7
12.	Maglioni, Vincente. Wheat.	1
13.	Montanelli, Jose. Wheat flour.	11
14.	Mula, Jose Angel. a Barley. b Native furze and alfalfa seeds.	4 8
15.	Perez, Ezequiel. Wheat.	1
16.	Perez, Meliton. Wheat.	1
17.	Santos, Feliciano. Wheat.	1
18.	Santos, Garcia & Co. Grain.	
19.	Sienra, Ricardo. Wheat.	1

## GROUP 2.

20.	Anselmi, Carlos. Crackers.	14
20A.	Pitzer, Luis F. Crackers.	14

## GROUP 3.

21.	Demarco & Miret. Bon Bons.	27
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GROUP 6.		
Exhibit No.		Class'n No.
22.	Exposition Committee. Products Saladero establishment.	
23.	Frank, Jose. Sterilized milk.	
24.	Garcia, Villemir & Valdez. a Preserved meat. b Liquid extract of beef.	
25.	Genta, Juan. Meat preparations.	
26.	Liebig's Extract of Beef Co., Ltd. Fray Bentos. a Ox tongues. b Meat meal for feeding. c Extract of beef.	
27.	Peila, Juan. Sauages.	

## GROUP 7.

28.	Commission of Exposition. Cheese.	4
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## GROUP 8.

29.	Genta, Juan. Chocolate pastelle cocoa cosmetic and vinegar of cocoa.	4
30.	Illa, Jose, & Font. Chocolate.	4
31.	Martorell, Antonio. Chocolate, cocoa and coffee.	4
32.	Sierra, Miguel. Tobacco.	4

## GROUP 9.

33.	Acosta, Augusto, & Lara. Wool fleeces.	6
34.	Amy, Enrique. Wool fleeces.	6
36.	Barreto, F. L. Wool fleeces.	6
37.	Bergbender Peyre, Pedro. Rambouillet and Devon fleece wool.	6
38.	Bidart, Miguel. Wool fleeces.	6
38A.	Bordaberry, Santiago. Wool fleeces and wool.	6

## Animal Fibres, Liqueurs, Farming Implements, Fertilizers, Etc.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
39. Bridger, Roberto. Wool fleeces.	60	85. Stirling, Manuel. Lincoln and merino fleece wool.	60
40. Buxareo, Felix. Wool fleeces.	60	86. Sturregui, Fermin. Wool fleeces.	60
41. Cartellanos, Jose M. Wool fleeces.	60	87a. Tideman, Hugo. Wool fleeces.	60
42. Cardona, B., Miguel. Wool fleeces.	60	88. Uriarte, Marcelino. Wool fleeces.	60
43. Cardona, Jose L. Wool fleeces.	60	89. Urioste, Santos L. Wool fleeces.	60
44. Carreras, Juan C. Wool fleeces.	60	90. Urtubey, Ygnacio. Wool fleeces.	60
45. Cartellanos, Federico. Wool fleeces.	60	91. Ybarburo, Joaquin. Wool fleeces.	60
46. Castro, Pedro. Wool fleeces.	60	92. Young, Diego. Wool fleeces.	60
47. Chilinchavide, Domingo. Wool fleeces.	60	93. Zansi, Luis. Silk in cocoons.	61
48. Cortabarría, Santiago. Wool fleeces.	60	<b>GROUP 10.</b>	
49. Cowell, Jorje. Wool fleeces.	60	94. Monjani, Aguiles. Mineral water.	64
50. Erro, Julian. Wool fleeces.	60	<b>GROUP 11.</b>	
51. Esquiroz, Matias, y Turelles. Wool fleeces.	60	95. Bonati, L. Preti. Vermouth.	69
52. Etchegoimberry, D. Wool fleeces.	60	96. Carballo, Jose, Sons. Liqueurs.	69
53. Etchegoyen, Juan P. Wool fleeces.	60	97. De Leon, Pedro. Wine.	71
54. Fitz Herbert, A. Wool fleeces.	60	98. Gamberoni, Antonio.	
55. Genta & Hamblague. Wool fleeces.	60	a Whisky.	66
57. Harrison, S. P. Wool fleeces.	60	b Rum, gin and liqueurs.	67
58. Herbert, A., Fitz. Wool fleeces.	60	c Liqueurs.	69
59. Hughes, Conrado. Wool fleeces.	60	d Kirschwasser, Vermouth, etc.	70
60. Iguaron, Hermanos. Wool fleeces.	60	99. Great Oriental Distillery. Alcohol.	68
61. Iriarte, Genta, & Co. Wool fleeces.	60	100. Lataillade, Juan. Liqueurs.	69
62. Johnson, Augusto. Wool fleeces.	60	101. Martins Sons. Cherry bounce.	70
63. Lapaz, Geronimo. Wool fleeces.	60	102. Morini, Hermenejildo & Co. Vermouth and bitters.	70
64. Lares, Wenceslao. Ramie.	59	103. Ochoa, V. Vermouth.	70
65. Lema, Ignacio. Wool fleeces.	60	104. San Roman, Francisco. Bitters.	70
66. Martinez, Benjamin. Wool.	60	105. Vidiella, Federico R. Wine.	71
67. Maximo & Ricardo Fals. Fleece wool.	60	<b>GROUP 12.</b>	
68. Mendez, Angel R. Wool fleeces.	60	105a. Montevidean Brewing Co. Beer.	73
69. Mendez, Ruperto. Wool fleeces.	60	106. Montevideo Brewery. Beer.	73
70. Merklen, Dionisio. Wool.	60	107. Witschi & Co. Beer.	73
71. Molin, Jaime & Asociata, Norberto. Wool fleeces.	60	<b>GROUP 13.</b>	
72. Molins, Jaime. Wool fleeces.	60	108. Great Oriental Distillery. Plan of the distillery.	76
73. Nazabal & Maisterra. Wool fleeces.	60	<b>GROUP 16.</b>	
74. Ordonana, Domingo. Wool fleeces.	60	109. Errasquin, Francisco V. Model of oxen shackles.	88
75. Otegui, Juan C. Wool fleeces.	60	<b>GROUP 17.</b>	
76. Pereira, Faustino. Wool fleeces.	60	110. Buxareo, Felix. Horses' tails.	90
77. Perez, Juan M. Wool fleeces.	60	111. Garcia, Villermur & Valdes. Guano.	92
78. Peyre, Pedro B. Wool.	60	111a. Liebig's Extract of Beef Co., Ltd., Fray Bentos. Fertilizers and bone meal.	92
79. Ramon, Anastasio. Wool fleeces.	60	Manufacturers of the original and genuine extract of meat. Only kind warranted genuine by Baron Justus von Liebig, the inventor. Awarded 14 gold medals and diplomas of honor. Mfrs. of fertilizers, preserved tongues, bone meal, tallow, refined fat.	
80. Riviere, Julio. Wool fleeces.	60		
81. Rocha, Government of. Husk of tatu.	59		
82. Rodriguez, Juan. Wool fleeces.	60		
83. Roosen, German. Wool fleeces.	60		
84. Soane, Guillermo. Wool fleeces.	60		
85. Sienna, Amaro. Wool fleeces.	60		

## Miscellaneous.

## GROUP 18.

Exhibit No.		Class'n No.
112.	DeLeon, P. Olive oil.	95
113.	Eirin Bros. Wax and candles.	97
114.	Liebig's Extract of Beef Co., Ltd., Fray Bentos. Tallow; refined fat.	94
115.	Ordeiz, Jose. Olive oil.	95
116.	Peila, Juan. Fats and lard oil.	94

Exhibits Classed in other Departments but Installed in this.

## DEPARTMENT B.

## GROUP 20.

118.	Ambrosioni, Pedro. Red wine.	127
119.	Arrechavaleta, Jose. 250 species of Uruguayan grapes.	119
120.	Basso, Domingo. Red wine.	127
121.	Beisso, Pablo. Red wine.	127
122.	Bonati, L., Preti, a White wine.	126
	b Red wine.	127
	c Cognac.	131
123.	Bonilla Sons, Sancho & Co. Red wine.	127
124.	Braceras, Angel. Red wine.	127
125.	Brauer, Jorje, & Co. Red wine.	127
126.	Clave, Augusto, & Co. Red wine.	127
127.	College Pius of Villa Colon. a White wine.	126
	b Red wine.	127
128.	De Leon, Pedro. Red wine.	127
129.	Gamberoni, Antonio. a Red wines.	127
	b Brandy.	131
130.	Geyres, Lorenzo. a White wine.	126
	b Colored wine.	127
131.	Harriague, Pascual. a White wine.	126
	b Red wine.	127
	c Cognac.	131
132.	Hermanos, P. Margat. a White wine.	126
	b Red wines.	127
133.	Hermenejildo, Morini & Co. Cherry bounce.	131
134.	Herten, Gustavo. a White wine.	126
	b Red wine.	127
135.	Lenguas, Luis Lerena. a White wine.	126
	b Red wine.	127
136.	Martins, Joaquin. Red wine.	127
137.	Martins e Yrmao. Cherry bounce.	131
138.	Molt Salterain y Ca. Red wine.	127
139.	Mula, Jose Angel. Red wine.	127

## Exhibit No.

140.	Pastorino, Lorenzo. a White wine.	
	b Red wine.	
141.	Pereira, Bernardo C. a Nebiolo wine.	
	b Red wine.	
142.	Pons, Diego. Red wine.	
143.	Remijio Gonzales Moreno Co. wine.	
144.	Sacttone, Pedro. Red wine.	
145.	Saltena Viticulture Society. a Dry and sweet white wines.	
	b Red wine.	
146.	San Juan, Cristobal. Red wine.	
147.	Schmidt, Gustavo A. White wine.	
148.	Sienra, Rafael. a Earths for vine growing.	
	b White wine.	
	c Red wine.	
149.	Uruguayan Viticulture Society. a White wine.	
	b Red wine.	
150.	Varzi, Pablo. White wine.	
151.	Varzi, Pablo. Red wines.	
152.	Vidiella, Federico R. a Red wines.	
	b Cognac.	

## GROUP 21.

153.	Demarco & Miret. a Canned dried fruit.	
	b Fruits in syrups.	
	c Fruit paste.	

## GROUP 22.

154.	Exposition Committee. Collective exhibit of vegetables.	
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## DEPARTMENT C.

## GROUP 35.

155.	Supparo, Carlos. Specific to kill insects and cure wounds.	
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## DEPARTMENT E.

## GROUP 42.

157.	Genta, Jose & Co. Crystal.	
158.	Posada, Clemente Barrial. Exhibit of minerals.	
159.	Rocha, Government of. Collection of minerals.	

## GROUP 44.

160.	Schira Bros. Granite and stone.	
------	---------------------------------	--

## GROUP 46.

161.	Amaral, Julio. Bituminous clay.	
162.	Government of Rocha. Kaolin.	

# EXHIBIT

## Manufactures

### GROUP 47.

182. Osoña, Francisco. Portland cements.

### GROUP 51.

184. Pizar, Louis P. & Sons. Copper pipes.

### GROUP 67.

185. Posada, Clemente Barrial. A Geographical map of the Republic of Colombia, showing the boundaries of the various States and Departments, and the principal cities and towns. 41

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### GROUP 98.

186. Ministry of Public Works. Record of the South American railways and great lines, accompanied with a map. 42
187. Posada Clemente Barrial. Book entitled "Proyecto de un ferrocarril Americano a Colombia." 43

### GROUP 92.

188. Errasquin, Francisco V. Model and photographs of statuettes for export. 43

### GROUP 95.

189. Fortet, Laura Carreras. Fac-simile of the carved coat of arms of the Republic of Colombia. 44

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190. Aspesi, Tranquillo. Medical elixir. 547
191. Genta, Juan. Cocoa cosmetics, etc. 549
192. Posjibove, Jose M. Papaion spec. 547
193. Roman, Sala & Co., Perfumery. 549
194. Walter, Camilo. Test of expansive force of powder. 550
195. Zanzi, Louis. Balsams. 547

### GROUP 88.

196. Cistac, Julio T., Varnishes. 554

### GROUP 89.

197. Schmidt, Franco & Co. Blank books, bindings, etc. 561

### GROUP 96.

198. Gaevenach, Jorje. Wood sculptured arms of North America. 598

### GROUP 100.

199. Zanzi, Louis. Spanish silk.

### GROUP 104.

200. Cocco, Jose A. 604
201. Garzaschett, D. Men's clothing. 602
202. Mariani, Carlos. Frock coat and vest. 604
203. Martorano, Luis. Ladies' boots. 606

### GROUP 105.

204. Cambiaso, Cayetano. Natural and dyed seal skin. 604
205. Croker, Carlos H. Seal skin from fresh water. 604
206. Government of Rocha. Wild animal skins. 604

### GROUP 106.

207. Ducci, Jose. Japanned buttons for men. 608
208. Guerra, Juan. Embroidered picture. 609
209. Martinot, Henry. Embroidered case. 609
210. Zubillaga, Carlota. Embroidered chair covers. 609

### GROUP 111.

211. Bordaberry, Santiago. Sheep skins. 607
212. Briganti, Francisco. Tanned goat and sea-calf skin. 607
213. Buxareo, Felis. Leather. 607
214. Cambiaso, Cayetano. Goat skin and sheep skins. 607
215. Cambiaso, Cayetano. a Chamois skin. 606
216. Lustrous calf skin. 607
217. Commercial Exposition. Leather. 607
218. Lanza Bros. Leather. 607
219. Manuel, Stirling. Leather. 607

### GROUP 119.

220. Davant, Pablo. Iron horse shoes. 747

## DEPARTMENT K.

### GROUP 140.

221. Agortinelli, Jose. "Baptism of St. John." 804
222. Correa, Manuel, "Hachero." 804
223. Di Lorenzo, Donato. "Silence" and study of a head. 804

## Oils, Candles, Miscellaneous.

- | Exhibit No. | Class'n No.                   |
|-------------|-------------------------------|
| 203.        | Lebrun, Angela. Oil painting. |

## GROUP 143.

- |      |                              |
|------|------------------------------|
| 204. | Hervel, Barique. Engravings. |
|------|------------------------------|

## GROUP 144.

- |      |                                       |
|------|---------------------------------------|
| 205. | Nia, Pablo & Gonzales. Pen drawing.   |
| 206. | Sociedad Liga Professional. Sketches. |

## DEPARTMENT L.

## GROUP 149.

- |      |   |     |
|------|---|-----|
| 207. | Bollo, Luis C. School celebration.  | 850 |
| 208. | De Zapater, Felipa B. System of dress cutting.  | 843 |
| 209. | General Direction of Primary Instruction. Complete exhibition of instruction in the Republic. | 850 |
| 210. | Lagomarsino, Angelo. Model of school desks.   | 842 |

## GROUP 150.

- |       |  |     |
|-------|--|-----|
| 211.  | Arocena, Carlos A. Hydrographic annual of the La Plata river for 1891.   | 854 |
| 212.  | Bordoni, Jose. Books.  | 855 |
| 213.  | College Pio of Villa Colon. The fall of rain in the climate of Montevideo.   | 864 |
| 214.  | Cortessi, Jose. Pen sketch.  | 854 |
| 215.  | Corsi, Formica. Study of the progress of homœopathy.   | 854 |
| 215a. | Chucarro, Urbano. Memoirs of public instruction.   | 854 |
| 215b. | Chucarro, Edward M. General index of the sessions diary of the Parliament of Uruguay.  | 854 |
| 216.  | Esteves, Juan B. Spanish grammar.  | 855 |
| 217.  | Exposition Committee. "Montivideo Colon."  | 854 |
| 218.  | Francisco Vasquez Cores. School books.   | 855 |
| 218a. | Garabelli, Luis. Critical book on Verdi's Othello.   | 854 |
| 219.  | General Commissioner of Immigration and Colonization. Memorial of the commission and treatise.   | 863 |
| 220.  | Lomba, Ramon, Lopez. Report of Ministry of Justice and Rules, 1885-86-87-88; statistics of the Oriental Republic and account of the Patriotic League of Instruction. | 863 |

- | Exhibit No. | Class'n No.  |   |
|-------------|--|---|
| 221.        | Lussich, Antonio. Book, "Celebrated Shipwrecks."   | 8 |
| 222.        | Lussich, Antonio D. Book entitled "Naufragio Celebres."  | 8 |
| 223.        | Maeso, Carlos M. Book, "El Oental."  | 8 |
| 224.        | Ministry of Public Works. Record of the South American railways and map.                             | 8 |
| 225.        | Montovani, Domingo. Sets of the periodical, "El Estudio."  | 8 |
| 225a.       | Mortet, M. C. Book entitled "Colza."   | 8 |
| 226.        | Pesce, Emilio R. Statistical data of the Republic.   | 8 |
| 227.        | Piethore, Juan Jacobo. Poem of Juan Zorrilla de San Martin, "Fabar French translation."              | 8 |
| 228.        | Printing Establishment of L' Italia. Special typographical work with map of America printed on silk. | 8 |
| 229.        | Pujadas, Baldomero. Treatise of stenography.   | 8 |

GROUP 151.<sup>a</sup>

- |      |  |   |
|------|--|---|
| 230. | Arocena, Carlos A. Hydrographic Annual of the La Plata river for 1891.                                       | 8 |
| 231. | Chuts & Brooks. Photographs of views.  | 8 |
| 232. | College Pio of Vill Colon. Vaporimeter and other instruments of climatology and meteorology, and statistics. | 8 |
| 233. | Errasquin, Francisco V. Photographs.   | 8 |
| 234. | Exposition Committee. Photographs of views.  | 8 |
| 235. | Fitzpatrick, J. Photographs.   | 8 |
| 236. | Hermanos, Dolce. Photographs.  | 8 |
| 237. | Monjani, Aguiles. Photographs.   | 8 |
| 238. | Patrick, J. Fitz. Photographs.   | 8 |
| 239. | Santurio, Marcelino. Album of photographic views of Reus Bank.   | 8 |

## GROUP 152.

- |      |   |   |
|------|---|---|
| 240. | Zrepfel, Jose. Sketch of electric cable system. | 8 |
|------|---|---|

## GROUP 153.

- |      |   |   |
|------|---|---|
| 241. | Commission of the American Historical Exposition at Madrid. Memorial of its labors. | 8 |
| 242. | Direction of General Statistics. Statistical annual.                                | 8 |
| 243. | Direction of Civil Registry. Vital statistics, etc.                                 | 8 |
| 244. | Minister of Agriculture. Record for 1886-91.  | 8 |

## Miscellaneous.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
245. Ministry of Government. Laws and decrees.	890	250. Bienzi, Carmelo. Wood mosaic.	101
246. Ministry of Public Work. Records for 1890-91.	890	251. Government of Rocha. Native woods.	99
247. Soiedad Liga Professional. Sketches	890	252. Mosca, Rafael. Wood mosaic pictures, etc.	101
<b>GROUP 158.</b>		253. Partorino, Jose. Staves for casks.	110
248. Coppeti, Juan. Method and Treatise on the Copophone; album of music.	926	254. Pomar & Co. Cork.	104
<b>DEPARTMENT N.</b>		255. Querierla, Benvenuto. Wood mosaic.	101
249. Bidegaray Juan R., & Sons. Exhibit of sawdust.	104	256. Lust & Co., Sawdust.	104
		257. Uruguayan Society Viticulture. Popular wood.	99







# WORLD'S COLUMBIAN EXPOSITION

1893

## OFFICIAL CATALOGUE

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### PART II.

HORTICULTURE BUILDING  
WOODED ISLAND, LAWNS  
AND MIDWAY PLAISANCE NURSERY

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DEPARTMENT B. HORTICULTURE  
VITICULTURE, POMOLOGY, FLORICULTURE, ETC.

J. M. SAMUELS, CHIEF

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EDITED BY  
THE DEPARTMENT OF PUBLICITY AND PROMOTION  
M. P. HANDY, CHIEF

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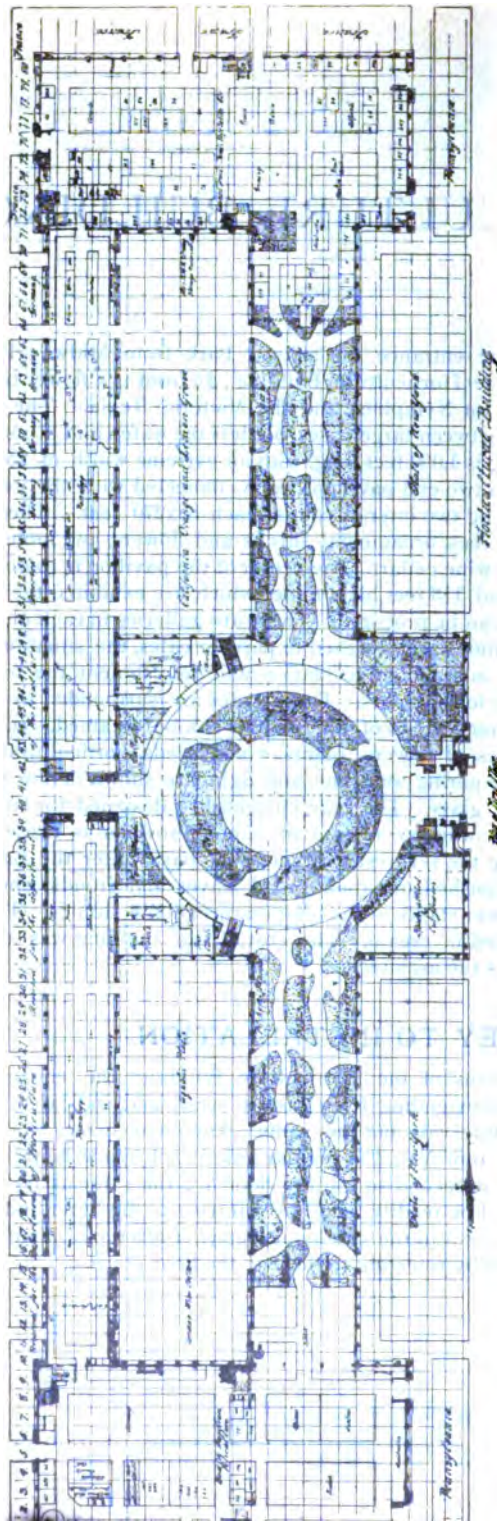
# HORTICULTURE BUILDING.

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Immediately south of the entrance to Jackson Park from Midway Plaisance, and facing east on the lagoon, is the Horticulture Building. In front is a flower terrace for outside exhibits, including tanks for *Nymphaea* and the *Victoria Regia*. The front of the terrace, with its low parapet between large vases, borders the water, and at its center forms a boat landing. The building is 1,000 feet long, with an extreme width of 250 feet. The plan is a central pavilion with two end pavilions, each connected with the central one by front and rear curtains, forming two interior courts, each 88x270 feet. These courts are planted with bearing orange trees, ornamental shrubs and flowers, and include basins for aquatic plants and a German wine cellar. The center of the pavilion is roofed by a crystal dome 187 feet in diameter and 118 feet high, under which are exhibited the tallest palms, bamboos and tree ferns that can be procured. There are galleries in each of the pavilions. The galleries of the end pavilions are designed in part for cafes, the situation and the surroundings being particularly adapted to recreation and refreshment, the balance for the overflow of exhibits from the lower floors. These cafes are surrounded by an arcade on three sides, from which charming views of the grounds can be obtained. In this building are exhibited all the varieties of flowers, plants, vines, seeds, horticultural implements, wines, etc. Those exhibits requiring sunshine and light are shown in the front curtains, where the roof is entirely of glass. The rear curtains are designed for fruits and other exhibits that require only the ordinary amount of light. Provision is made to heat such parts as require it, and during the severest weather of the past winter the palms and tree-ferns under the great dome pushed out their broad leaves and fronds, and the century plants shot up their giant flower stalks in the temperature of the tropics. The exterior of the building is in "staff," tinted in cream. The cost of this building was about \$300,000. W. L. B. Jenny, of Chicago, is the architect.

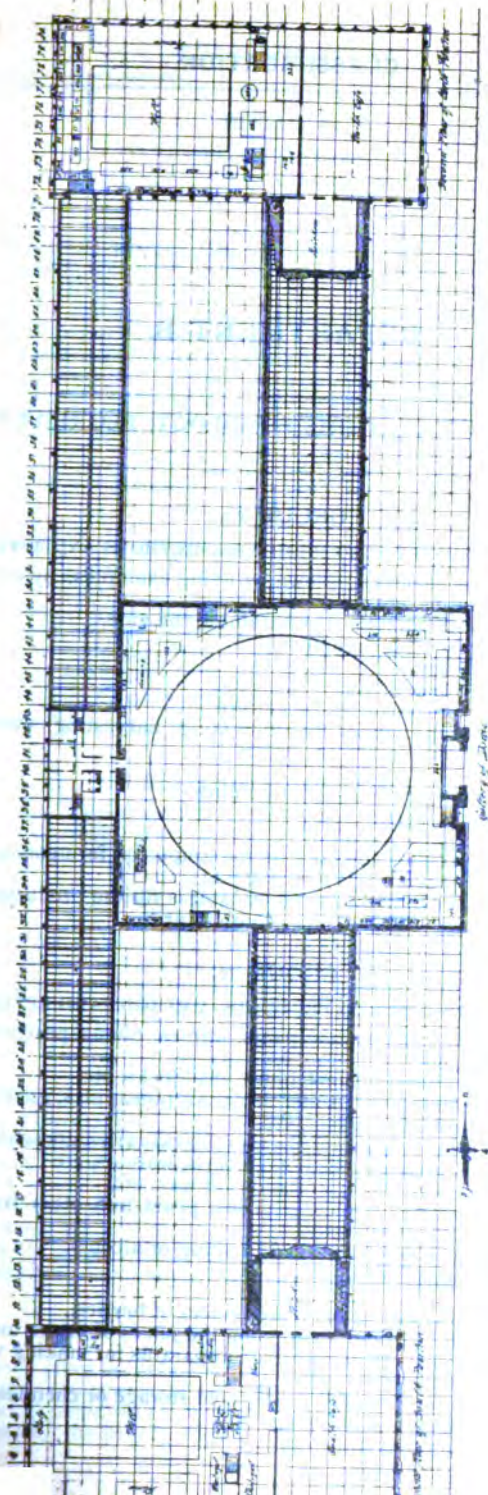
## KEY TO INSTALLATION.

As shown by the floor plans of the Horticulture Building, the entire ground floor proper is laid off into sections extending from east to west, and indicated by a number plainly marked at regular intervals on the walls. The floor spaces are crossed from north to south, and lettered from A to Z in regular order, each space being in the form of a square. The numbers on the second or gallery floor are the same as on the first floor. The location of an exhibit will be readily found by referring to the letter and figure placed in juxtaposition, and following it in the catalogue entry, or after the name of a country or State, in the catalogue, and by referring to these in the floor plans.



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## Vertical Form Building

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## DEPARTMENT B.

### HORTICULTURE, VITICULTURE, POMOLOGY, FLORICULTURE, ETC.

#### GROUP 20.

##### VITICULTURE, MANUFACTURED PRODUCTS—METHODS AND APPLIANCES.

- Class 119. The vine and its varieties—shown by living examples, by cuttings, by engravings, photographs, etc.
- Class 120. Methods of planting, staking and training the vine.
- Class 121. Vineyards and their management.
- Class 122. Grapes for the table.
- Class 123. Grapes for wine-making.
- Class 124. Grapes for drying—raisin grape culture.
- Class 125. Methods of and appliances for cultivating, harvesting, curing, packing and shipping grapes.
- Class 126. White wines.
- Class 127. Red wines, clarets, Zinfandel, Burgundies.
- Class 128. Sherries, Madeira, port.
- Class 129. Sparkling wines.
- Class 130. Methods of expressing the juice of the grape; of fermenting, storing, racking, bottling and packing. Wine cooperage.
- Class 131. Brandy of all kinds; methods and apparatus for the production of brandy.
- Class 132. Literature, history and statistics of viticulture.

#### GROUP 21.

##### POMOLOGY, MANUFACTURED PRODUCTS—METHODS AND APPLIANCES.

- Class 133. Pomaceous and stone fruits—pears, apples, plums, peaches, nectarines, apricots, cherries, etc.
- Class 134. Citrus fruits—oranges, lemons, limes, shaddocks, etc.
- Class 135. Tropical and subtropical fruits—bananas, pineapples, guavas, mangoes, sapodillas, tamarinds, figs, olives, etc.
- Class 136. Small fruits—strawberries, raspberries, blackberries, gooseberries, currants, etc.
- Class 137. Nuts—almonds, pecans, chestnuts, filberts, walnuts, etc.
- Class 138. Casts and models of fruits; imitations in wax, etc.
- Class 139. Dried and evaporated apples, peaches, pears and other fruits. Prunes, figs, dates, etc., in glass or boxes.
- Class 140. Fruits in glass or cans, preserved in syrup or alcohol.
- Class 141. Jellies, jams, marmalades.
- Class 142. Fruits glazed.
- Class 143. Cider, perry, vinegar and expressed juices of berries.
- Class 144. Methods for crushing and expressing the juices of fruits and berries. Apparatus and methods of desiccating; apparatus for making vinegar, etc. Cider mills and presses.
- Class 145. Methods for preserving all fruits by cold storage or chemical appliances; their keeping, packing and shipping.
- Class 146. Literature, history and statistics.

**GROUP 22.**

**FLORICULTURE.**

- Class 147. Roses.
- Class 148. Carnations.
- Class 149. Orchids.
- Class 150. Rhododendrons, azaleas, etc.
- Class 151. Chrysanthemums.
- Class 152. Dahlias, gladiolus, etc.
- Class 153. Ornamental bulbous flowering plants. Hyacinths, narcissus, etc.
- Class 154. Pelargoniums, zonal and show.
- Class 155. Bedding plants and flowering annual plants.
- Class 156. Climbing plants.
- Class 157. Perennials and flowering shrubs not otherwise specified.
- Class 158. Miscellaneous annuals, phlox, asters, etc.
- Class 159. Palms.
- Class 160. Ferns.
- Class 161. Ornamental leaf plants.
- Class 162. Cactaceæ.
- Class 163. Aquatic plants.
- Class 164. Native wild plants and flowers.
- Class 165. Ornamental grasses and reeds.
- Class 166. Rare exotic plants.
- Class 167. Cut flowers. Floral designs, pressed flowers, leaves, sea-weeds and bouquets.
- Class 168. Plants grown for commercial purposes.
- Class 169. Receptacles for plants, flower pots, plant boxes, fern cases, tubs, jardinières, plant and flower stands, ornate designs in flower-stands.
- Class 170. Literature, history and statistics.
- Class 171. Miscellaneous.

**GROUP 23.**

**CULINARY VEGETABLES.**

- Class 172. Leguminous; cereal and fruit-like vegetables. Beans, peas, okra, peppers, tomatoes, cucumbers, squashes, pumpkins, melons, etc.
- Class 173. Radicaceous and tuberous vegetables. Beets, turnips, carrots, potatoes, radishes, etc.
- Class 174. Vegetables cultivated for their leaves and sprouts. Cabbage, lettuce, rhubarb, spinach, endive, asparagus, etc.
- Class 175. Miscellaneous culinary vegetables not included in the above.
- Class 176. Vegetables dried or in cans or glass.
- Class 177. Pickles, champignons, truffles, chutney, mustard, etc.
- Class 178. Methods for preserving vegetables by cold storage or chemical appliances, their keeping, packing and shipping.

**GROUP 24.**

**SEEDS, SEED-RAISING, TESTING AND DISTRIBUTION.**

- Class 179. Display of vegetable and flower seeds grown in different latitudes.
- Class 180. General display of flower and vegetable seeds by seed houses or growers.
- Class 181. Methods of growing, harvesting and preparing flower, vegetable, tree and shrub seeds.
- Class 182. Seed warehouse methods of burnishing and packing for the retail trade. Work of packing, etc., in operation.
- Class 183. Methods of testing vitality of seeds, as practiced by different seed houses.
- Class 184. Tree and shrub seeds, and seeds used for condiments and medicines.

**GROUP 25.**

**ARBORICULTURE.**

- Class 185. Ornamental trees and shrubs. Methods of growing, transplanting, etc.
- Class 186. Fruit trees and methods of raising, grafting, transplanting, pruning, etc. Means of combatting insects and other enemies.
- Class 187. Nurseries and the nursery trade.

**GROUP 26.****APPLIANCES, METHODS, ETC.**

- Class 188.** Hot-houses, conservatories, methods of construction, management and operation.
- Class 189.** Heating apparatus for hot-houses and conservatories.
- Class 190.** Seats, chairs and adjuncts for the garden and conservatory.
- Class 191.** Ornamental wire-work, trellises, fences, borders, labels for plants and trees, etc.
- Class 192.** Garden and nursery administration and management. Floriculture and arboriculture, as arts of design and decoration. Laying out gardens, designs for the laying out of gardens, and the improvement of private residences. Designs for commercial gardens, nurseries, graperies; designs for the parterres; treatment of water for ornamental purposes; cascades, fountains, reservoirs, lakes; formation and after treatment of lawns. Garden construction, building, etc. Rock-work grottoes; rustic construction and adornment for private gardens and public grounds. Planting, fertilizing, cultivating and appliances.

# How to Find Exhibitors and Their Exhibits.

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The list of exhibitors from the United States will be found in the first portion of this catalogue, the foreign countries with their exhibits installed in the Horticulture Building following in alphabetical order. Each country has its exhibits numbered consecutively, and as far as practicable each exhibit has a card attached to it bearing the name of the country and the words "Official Catalogue Number" and that number corresponds with the number in this Catalogue. For example, if a card is found with the following matter thereon:

Department B.                      Horticulture.

United States.

Official Catalogue Number 147

the visitor will turn to 147 in the United States portion of the Catalogue where will be found the following entry:

**147. Ellwanger & Barry, Rochester, N. Y.**  
Fruits.                      B-18      133

It may be that the visitor's attention is first directed to the Catalogue, and he may be desirous of finding this exhibit. The first thing he should do is to see what the location is; that being B-18, he will refer to the Key to Installation, which states that the entire ground floor proper is laid off into sections extending from east to west, and indicated by a number plainly marked on each gallery post. The floor spaces are crossed from north to south, and lettered from A to Z in regular order, each space being in the form of a square. In the center of the first floor is the dome, and on each side of the building is a large room, known as the north and south curtains, and adjoining these are open courts for open air exhibits. The numbers on the second or gallery floor are the same as on the first floor. It will thus be seen that the exhibit of Ellwanger & Barry can be found on the ground floor in the space bounded by B on the south and 18 on the west.

The class number 133 serves many purposes, and one especially. A visitor, for instance, would like to see all the exhibits of fruits in the Horticulture Building. He immediately turns to the classification grouping, where he will read in group 21, class 133, the following: "Pomaceous and stone fruits—pears, apples, plums, peaches, nectarines, apricots, cherries, etc." He then refers to the list of exhibitors under group 21 and by glancing down the right hand side for 133 finds all exhibitors alphabetically arranged who are exhibiting the various articles enumerated in that class.

This rule applies to every exhibit in the Horticulture Department, whatever its character may be, and by following the above plan the visitor will experience no difficulty in locating the exhibitor or his exhibit.

No attention should be paid to any numbers which may be affixed to exhibits except those appearing on cards in the form given above.

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# Department B.--Horticulture.

## UNITED STATES.

### Viticulture, Manufactured Products, Methods and Appliances.

#### GROUP 20.

#### Viticulture, Manufactured Products, Methods and Appliances.

Exhibit No.	Class'n No.	
1.		Alameda County World's Fair Association, Cal. Variety of wine and table grapes in bearing. C-4 110
2.		Albany Georgia Fruit Co., Tadmor, O., and Fort Valley, Ga. Grapes. A-57 122
1b.		Albertz, Ferdinand, Cloverdale, Cal.
	F-3	a White wines. 126
		b Red wines. 127
		c Sweet wines. 128
		d Brandy and grape syrup. 131
2.		American Wine Co., St. Louis.
	L-6	a White wines, dry. 126
		b Red wines, dry. 127
		c Sparkling wines. 129
2a.		Baldrige, C. J., Kendia, N. Y.
	Gal. D-9	Unfermented white wine. 126
3.		Baldwin, C. A., Cupertino, Cal.
	D-2	a White wines, dry. 126
		b Red wines, dry. 127
4.		Bannier, John, Egg Harbor City, New Jersey. Red wines, dry. L-8 127
4a.		Barnes, William D., Middlehope, N.Y.
	Nursery	Method of staking and training grape vines. 120
5.		Barton Estate & Co., Ltd., Fresno, Cal.
	F-3	a White wines, dry. 126
		b Sweet wines, dry. 128
		c Brandy. 131
6.		Beard, John L., Warm Springs, Cal.
	C-4	a White wines, dry. 126
		b Red wines, dry. 127
7.		Becker, Wm., Kelly's Island, Ohio.
	A-57	a Table grapes. 122
		b Wine grapes. 123
8.		Ben Lomond Wine Co., San Francisco.
	F-3	a White wines, dry. 126
		b Red wines, dry. 127

Exhibit No.	Class'n No.	
9.		Beringer Bros., St. Helena, Cal.
	H-1	a White wine, dry. 126
		b Red wine, dry. 127
		c Sweet wine, dry. 128
		d Brandy. 131
10.		Billings, F. W., Redwood City, Cal.
	F-3	a White wine, dry. 126
		b Red wine, dry. 127
11.		Boettcher, H., Los Angeles, Cal.
	F-3	a Sweet wines. 128
		b Brandy. 131
11a.		Brocton Wine Co., Brocton, N. Y.
	Gal. D-9	a White wines. 126
		b Red wines. 127
		c Sweet wines. 128
		d Brandy. 131
12.		Brun, A., & Co., Oakville, Cal.
	F-3	a White wine, dry. 126
		b Red wine, dry. 127
		c Sweet wine. 128
13.		Burns, Paul O., & Co., San Jose, Cal.
	E-1	a White wines, dry. 126
		b Red wines, dry. 127
		c Sweet wines. 128
		d Brandy. 131
14.		California State Viticultural Commission. C-2
		a Photographs of grapes and vineyards. 119
		b Methods of pruning and training vines. 120
		c Maps, literature and statistics of viticulture. 132
15.		Carpy, C., & Co., San Francisco.
	I-4	a White wines, dry. 126
		b Red wines, dry. 127
		c Sweet wines. 128
		d Brandy. 131
16.		Chauche, A. G., Livermore, Cal.
	C-4	a White wines, dry. 126
		b Red wines, dry. 127
		c Sweet wines. 128

## Viticulture, Manufactured Products, Methods and Appliances.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
17. Chautauqua & Northeast Grape Union, Chautauqua, N. Y. Grapes.	D-18 122	28a. Empire State Wine Co., Penn. N. Y.	Yan,
17a. Coleman, E. G., Bluff Point, N. Y. Method of staking and training grape vines.	Nursery 120	a White wines.	Gal. D-9 126
18. Crabb, H. W., Oakville, Cal.		b Red wines.	127
a White wines, dry.	G-3 126	c Port and sweet wines.	128
b Red wines, dry.	127	29. Engels & Krudwig, Sandusky, Ohio.	
c Sweet wines.	128	a Grapes.	J-1 123
d Sparkling wine.	129	b White wines, dry.	126
e Brandy.	131	c Red wines, dry.	127
19. Crellin, J., & Son, Livermore, Cal.		d Brandy.	131
a White wines, dry.	C-4 126	30. Escondido Land & Town Co., San Diego, Cal. Raisins.	Gal. K-5 124
b Red wines, dry.	127	31. Escondido World's Fair Ass'n, Escondido, Cal. Raisins.	H-17 124
19a. Crescent Wine Co., Hammondsport, N. Y.		32. Estee, M. M., Napa, Cal.	
a White wines.	Gal. D-9 126	a White wines, dry.	G-3 126
b Red wines.	127	b Red wines, dry.	127
c Port, sherry and sweet Catawba.	128	33. Ewer & Atkinson, Rutherford, Cal.	
d Brandy.	L-3 311	a White wines, dry.	H-1 126
20. Cupertino Wine Co., Mountain View, Cal.		b Red wines, dry.	127
a White wines, dry.	D-2 126	c Sweet wines.	128
b Red wines, dry.	127	d Brandy.	131
22. Delafield, Robert H., Calistoga, Cal.		33a. Feltzer, J. P., Rochester, N. Y. Grapes and cider brandy.	L-3 131
a White wines, dry.	F-3 126	33b. Fuller & Skinner, Portland, N. Y.	
b Red wines, dry.	127	a White wines.	Gal. D-9 126
c Sweet wines.	128	b Red wines.	127
23. Delsol, Louis, Lewiston, Idaho. Grapes.	B-70 122	c Port, etc.	128
24. DeTurk, Isaac, Santa Rosa, Cal.		d Brandy.	L-3 131
a White wines, dry.	F-3 126	33c. Fowler, Frank L., Livermore, Cal. Sweet wines.	C-4 128
b Red wines, dry.	127	34. Garlock, Abram, Newark, N. J. Cider brandy.	L-3 131
c Sweet wines.	128	34a. Garlock, P., & Sons, Phelps, N. Y. Cider brandy.	L-3 131
d Brandy.	131	35. Gasten, A. H., Lacon, Ill. Grapes.	
24a. Dewey, H. T., & Sons, New York.		B-23 122	
a White wines.	L-8 126	36. Germain Fruit Co., Los Angeles, Cal.	
b Red wines and grape juice.	127	a White wines, dry.	F-4 126
c Sweet wines.	128	b Red wines, dry.	127
24b. Dorion, E. A. A., Havana, Ill. Port wine.	128	c Sweet wines.	128
Duroy & Haines, Sandusky, Ohio.		36a. Germania Wine Co., Hammondsport, N. Y.	
a Grapes, table.	J-1 122	a White wines, dry.	126
b Grapes, wine.	123	b Red wines, dry.	127
c White wines, dry.	126	c Sparkling wines.	128
d Red wines, dry.	127	d Brandy.	131
e Sweet wines.	128	Excelsior and Imperial Sec. are the two best natural sparkling wines produced in America. All our goods warranted pure.	
f Brandy.	131	36b. Gleason, W. B., Westfield, N. Y. Unfermented red wines.	Gal. D-9 127
26. Eisen, F. T., San Francisco. Sweet wines.	F-3 128	37. Goodrich, Edward E., Santa Clara, Cal.	
27. Ellis, H. R., San Diego, Cal. Raisins.	M-4 124	a White wines, dry.	F-4 126
28. Emerson, J. M., & Sons, Washingtonville, N. Y.		b Red wines, dry.	127
a White wines.	L-4 126	c Sweet wines.	128
b Red wines.	127	d Fruit brandy.	131
c Sweet wines.	128	38. Griffin & Skelly, Riverside, Cal. Raisins.	Gal. K-5 124
d Fruit brandy.	131		

## Viticulture, Manufactured Products, Methods and Appliances.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
40. Gundlach, J., & Co., San Francisco.		48. Hommel, M., Sandusky, Ohio. Sparkling wines.	J-1 129
a White wines, dry.	I-4 126	49. Howes, C. P., Mountain View, Cal.	
b Red wines, dry.	127	a White wines, dry.	F-4 126
c Sweet wines.	128	b Red wines, dry.	127
d Cellar paraphernalia and wine cooperage.	130	50. Humphrey, A. B., Mayhews, Cal.	
e Brandy.	131	Grapes, table.	B-15 122
Vinegrowers and shippers of California's choicest vineyard products. Specially selected vintages and qualities in wood and glass. Proprietors "Rhinefarm" vineyard, Sonoma: "Bacchus Wine Vaults," San Francisco. Offices: S. F. and N. Y. Call and see our "Big Tree" wine exhibit, Horticult Hall:		51. Illinois Horticultural Society. Table grapes.	A-20 122
41. Haesters, F., Wrights, Cal. White wines, dry.	F-4 126	52. Irondequoit Wine Co., Rochester, N. Y.	
42. Hall, J. P. R., El Cajon, Cal. Raisins.	A-17 124	a Red wines.	Gal. D-9 127
43. Hammond, C. M., Upper Lake, Cal.		b Port, sherry and catawba.	128
a White wines, dry.	F-4 126	c Brandy.	L-3 131
b Red wines, dry.	127	53. Italian Swiss Agr. Colony, San Francisco.	
43a. Hammondsport Vintage Co., Penn Yan, N. Y.	Gal. D-9	a Vineyards.	A-1 121
a White wines.	126	b Grapes, wine.	123
b Red wines.	127	c White wines, dry.	126
c Sweet wines.	128	d Red wines, dry.	127
44. Hammondsport Wine Co., Hammondsport, N. Y.		e Sparkling wines.	129
a White wines, dry.	L-3 126	f Brandy.	131
b Red wines, dry.	127	P. C. Rossi, Pres., A. Sbarboro, Sec. Vineyards, wineries and distilleries. The largest vineyard in California for the production of fine wines and brandies. Offices: Chicago, L. Gandolfi & Co., 1443 State St.; New York, L. Gandolfi & Co., 119-125 So. 5th Ave.; San Francisco, 524 Montgomery St.	
c Sweet wines.	128	54. Jarvis Wine & Brandy Co., San Jose, Cal.	
d Sparkling wines.	129	a White wines, dry.	C-1 126
e Brandy.	131	b Red wines, dry.	127
45. Harvey, Wm., Fresno, Cal. Raisins.	Gal. L-79 124	c Sweet wines.	128
45a. Hauser, Christian, Rochester, N. Y.		d Brandy.	131
a White wines.	126	55. Johnston, C. S. C., Garvanza, Cal.	
b Red wines.	Gal. D-9 127	a White wines, dry.	F-4 126
c Champagnes.	L-3 129	b Red wines, dry.	127
46. Helvetia Wine Co., Lake Keuka, N. Y.		c Sweet wines.	128
a White wines.	Gal. D-9 126	57. Keiser, J., Penryn, Cal. Grapes, table.	F-4 122
b Red wines.	127	59. Korbel Bros., San Francisco.	
c Sweet wines.	128	a Living examples.	119
46c. Henderson, Hiram T., Himrods, N. Y.		b White wines, dry.	A-1 126
a White wines.	Gal. D-9 126	c Red wines, dry.	127
b Sherry and sweet Catawba.	128	d Sweet wines.	128
46. Herasathy & Co., Arpad, San Francisco.		e Cooperage tank.	130
a White wines, dry.	I-3 126	f Brandy.	131
b Red wines, dry.	127	60. Lake Erie Fruit & Wine Growers' Ass'n, Sandusky, Ohio.	
c Sweet wine.	128	a Grapes, table.	J-1 122
d Sparkling wines, natural process. 129		b Grapes, wine.	123
Natural champagnes, produced by fermentation in the bottle. 38 medals awarded.		c White wine, dry.	126
47. Hommel, C., Sandusky, Ohio.		d Red wine, dry.	127
a Grapes, table.	J-1 122	e Sweet wine.	128
b Grapes, wine.	123	f Sparkling wines.	129
c Sparkling wines.	129	g Brandy.	131

## Viticulture, Manufactured Products, Methods and Appliances.

Exhibit No.		Class'n No.	Exhibit No.		Class'n No.
61.	Lake Keuka Wine Co., Hammondsport, N. Y.		74.	Munson, T. V., Denison, Texas.	
	<i>a</i> White wines.	Gal. D-9 126		<i>a</i> The vine and its varieties.	A-9 119
	<i>b</i> Red wines.	127		<i>b</i> Grapes, table.	122
	<i>c</i> Sweet wines.	128		<i>c</i> Grapes, wine.	123
	<i>d</i> Champagne.	129		<i>d</i> Literature, history and statistics.	132
	<i>e</i> Brandy.	131		Dry and live plants, fruits and vines.	
62.	Le France, H., San Jose, Cal.		75.	Napa Valley Wine Co., Napa, Cal.	
	<i>a</i> White wines, dry.	F-4 126		<i>a</i> White wines, dry.	J-4 126
	<i>b</i> Red wines, dry.	127		<i>b</i> Red wines, dry.	127
	<i>c</i> Sweet wines.	128		<i>c</i> Sweet wines.	128
	<i>d</i> Sparkling wines.	129		<i>d</i> Brandy.	131
63.	Lenk Wine Co., Toledo, Ohio.			E. C. Priber, manager, San Francisco. Exhibit in "Mammoth Tree," Horticultural Hall. The only California wine-house which in its private stock wines furnishes a well-selected and well-matured wine in bottles, guaranteeing its quality for three years after purchase.	
	<i>a</i> Grapes, table.	J-1 122	75a.	Nebraska State Horticultural Society.	
	<i>b</i> Grapes, wine.	123		Grapes for table.	B-70 122
	<i>c</i> White wine, dry.	126	76.	New Jersey, State of.	
	<i>d</i> Red wine, dry.	127		<i>a</i> Grapes, table.	M-8 122
63a.	Lillienthal & Co., Livermore, Cal.			<i>b</i> Grapes, wine.	123
	<i>a</i> White wines (dry).	C-4 126		<i>c</i> White wines, dry.	126
	<i>b</i> Red wines (dry).	127		<i>d</i> Red wines, dry.	127
64.	Loud & Gerling, Pomona, Cal. Dried raisins.	124		<i>e</i> Sweet wines.	128
				<i>f</i> Brandy.	131
65.	Margheretta Vineyard, Fresno, Cal.		77.	New Mexico, State of.	
	<i>a</i> White wines, dry.	F-4 126		<i>a</i> Grapes, table.	A-3 122
	<i>b</i> Red wines, dry.	127		<i>b</i> Grapes, wine.	123
	<i>c</i> Sweet wines.	128		<i>c</i> White wines, dry.	126
	<i>d</i> Brandy.	131		<i>d</i> Red wines, dry.	127
66.	Matthews, Joseph, Napa, Cal.			<i>e</i> Sweet wines.	128
	<i>a</i> White wines, dry.	F-4 126		<i>f</i> Brandy.	131
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	<i>c</i> Sweet wines.	128			Gal. N-6 124
66a.	Maxfield, D. H., Naples, N.Y.		8r.	North Carolina, State of.	
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	<i>b</i> Red wines.	127		<i>b</i> Grapes, wine.	123
	<i>c</i> Port, etc.	128		<i>c</i> White wines, dry.	126
67.	McFarlan, John R., Dehisa, Cal.			<i>d</i> Red wines, dry.	127
	<i>a</i> Grapes, table.	C-14 122		<i>e</i> Sweet wines.	128
	<i>b</i> Raisins.	124		<i>f</i> Sparkling wines.	131
68.	McIver, C. C., Mission San Jose, Cal.		82.	Ohio Fruit Land Co., Tadmor, Ohio, and Fort Valley, Ga. Grapes, table.	
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	<i>b</i> Red wines, dry.	127	83.	Oklahoma Territory.	
	<i>c</i> Sweet wines.	128		<i>a</i> Grapes, table.	122
69.	Merrithew, J. C., West Side, Cal.			<i>b</i> Grapes, wine.	123
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	<i>b</i> Sweet wines.	128		<i>d</i> Red wines, dry.	127
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71.	Monticello Wine Co., Charlottesville, Va.			<i>c</i> Grapes, drying. Seedless raisins.	124
	<i>a</i> White wines, dry.	126	84a.	Overacker, H., Jr., Centerville, Cal.	
	<i>b</i> Red wines, dry.	127		Grapes.	123
73.	Mt. Pleasant Wine Co., Augusta, Mo.				
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	<i>b</i> Red wines, dry.	127			

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a White wines, dry.	F-4 126	a White wines, dry.	F-4 126
b Red wines, dry.	127	b Red wines, dry.	127
c Sweet wines.	128	c Sweet wines.	128
d Brandy.	131	d Brandy.	131
86. Parrott, Tiburcio, St. Helena, Cal.		96a. Smith, W. M., Bath, N. Y. Cider	
a White wines, dry.	H-1 126	brandy.	L-3 131
b Red wines, dry.	127	96b. Snow, G. C., Penn Yan, N.Y. Method	
c Brandy.	131	of staking and training grape vines.	
87. Pleasant Valley Wine Co., Rheims, N. Y.	L-4	Nursery	120
a Grapes, wine.	123	98. Speer Wine Co., Passaic, N. J.	
b White wines, dry.	126	a White wines, dry.	M-7 126
c Red wines, dry.	127	b Red wines, dry.	127
d Sweet wines.	128	c Brandy.	131
e Sparkling wines.	129	d Unfermented grape juice.	143
f Brandy.	131	99. Stanford, Leland, Vina, Cal.	
"Great Western" is a genuine champagne		a White wines, dry.	G-4 126
wine fermented in the bottle by the French		b Red wines, dry.	127
process. The finest produced in America.		c Sweet wines.	128
88. Pyle, D. M., Bakersfield, Cal.		d Brandy.	131
a Growing grape vine. Gal.	L-79 119	100. Steinke & Bruning, Los Angeles, Cal.	
b Raisins.	124	Sweet wines.	F-4 128
89. Randall, F. N., Ripley, N. Y. Method		101. Stern, Chas., & Son, Los Angeles, Cal.	
of staking and training grape vines.		a White wines, dry.	F-1 126
Nursery	120	b Red wines, dry.	127
90. Rice, A. F., Griswoldville, Ga. Seed-		c Sweet wines.	128
ling grapes.	B-55 122	d Brandy.	131
90a. Robinson, Chas. W., Detroit, Mich.		102. Stewart, J. A., Santa Cruz, Cal.	
Sweet wines.	M-2 128	a White wines, dry.	F-4 126
91. Rose, L. J., Co., Ltd., San Gabriel, Cal.		b Red wines, dry.	127
a Sweet wines.	F-4 128	103. St. Hubert Vineyard, Fresno, Cal.	
b Brandy.	131	a White wines, dry.	F-4 126
92. Rossi, P. C., San Francisco. Ver-		b Red wines, dry.	127
mouth.	A-1 131	c Sweet wines.	128
92a. Ryckman, G. E., Brocton, N. Y.		104. Stone Hill Wine Co., Herman, Mo.	
a Vine fastener.	Gal. D-9 125	a White wines, dry.	K-7 126
b White wines (dry).	126	b Red wines, dry.	127
c Red wines (dry).	127	105. Sweet Valley Wine Co., Kelly Island, Ohio.	
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e Brandy.	131	b Red wine (dry).	127
92b. Sammons, Warren, Rosendale, N. Y.		c Sweet wine.	128
Cider brandy.	L-3 131	d Brandy.	131
93. Sanders, H., & Co., San Francisco.		106. Urbana Wine Co., Hammondsport, N. Y.	
Continuous still.	B-1 131	a Grapes for wine making.	123
93a. Sayer, J. L., & Son, Warwick, N. Y.		b White wines, dry.	L-3 126
Cider brandy.	L-3 131	c Red wines, dry.	127
94. Schleischer, Robert, Lewiston, Idaho.		d Sweet wines.	128
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95. Schram, Jacob, St. Helena, Cal.		f Brandy.	131
a White wines, dry.	H-1 126	Gold seal champagne. No purer wine made.	
b Red wines, dry.	127	108. Wagoner, H. B., Livermore, Cal.	
95a. Shafer, D. A., Montgomery, N. Y.		a White wines, dry.	F-4 126
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95b. Smith, E. Ashley, Lockport, N. Y.		c Brandy.	131
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		Brandy.	F-1 131

## Viticulture, Pomology, Manufactured Products, Methods and Appliances.

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a White wines (dry).	J-1 126	Fruit plates and literature.	
b Red wine.	127	Gal. X-46 146	
c Sweet wine.	128	128. Butters M'f'g Co., Denver, Col.	
d Brandy.	131	Preserves and fruit butters.	S-74 141
109. Wehner, Wm., Evergreen, Cal.		131. California, State of.	
a White wines, dry.	F-4 126	a Pomaceous and stone fruits.	133
b Red wines, dry.	127	b Citrus fruits.	B-12 134
111. West, Geo., & Son, Stockton, Cal.		c Nuts.	137
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b Red wines, dry.	127	e Fruit in glass.	B-12 140
c Sweet wines.	128	f Canned fruits.	R-78 140
d Brandy.	131	g Jellies, jams, marmalades.	R-78 141
112. Wetmore, Chas. A., Livermore, Cal.		133. Church Bros., Genesee, Idaho.	
a White wines, dry.	C-4 126	Fruits.	B-70 133
b Red wines, dry.	127	134. Ciellan, Mrs. F. S., Mesa Grande, Cal.	
c Brandy.	131	English walnuts.	R-78 137
113. Wolf, Franz S., Bath, N. Y.		138. Cogswell, Dr. Thos., San Diego, Cal.	
a White wines.	Gal. D-9 126	Fruit baskets.	T-72 145
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c Port and sherry.	128	a Fruits.	B-63 133
114. Woodward, E. M., Kirtland, Ohio.		b Canned fruits.	Gal. K-80 140
Table grapes.	A-57 122	140. Colorado, Women of.	
115. Woodbury, T. H., Salt Lake City, Utah.		a Preserves.	Gal. L-74 140
Grapes.	B-58 122	b Jellies.	141
116. Xander, Christian, Washington, D. C.		141. Cooper, Ellwood, Santa Barbara, Cal.	
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117. Ziernigbl, Louis, St. Helena, Cal.		c Olives and persimmons.	135
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## GROUP 21.

## Pomology, Manufactured Products.

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119. Albaugh Georgia Fruit Co., Tadmor, Ohio, and Fort Valley, Ga.	Peaches and pears.	B-55	133
119a. Allen, L. E., San Diego, Cal.	a Figs in syrup.	B-13	140
	b Guava jelly and fig marmalade.		141
119b. American Manufacturing & Patent Co., Chicago.	Preserved fruits.	S-74	145
120. Arizona, Territory of.	Fruits.	B-54	133
121. Arkansas State of.	Pomaceous and stoned fruits.	D-57	133
123. Backwith, C. E., Missoula, Mont.	Fruits in glass.	C-52	140
123a. Bass, D. C., Stevensville, Mont.	Fruits in glass.	C-52	140
124. Berrien County, Mich.	Fruits.	D-19	133
125. Bishop & Co., Los Angeles, Cal.	a Bottled fruits.	T-80	140
	b Crystallized fruits.		142
	a Canned and preserved fruits.		140
	b Jellies, jams, marmalades, etc.		141
	c Vinegar.		143
	Fresh fruits and vegetables in glass and tin. "Blue Label" tomato ketchup, rich preserves, jams, jellies, plum puddings, meat delicacies, etc., all of extra quality. Established in 1868. For sale by all first-class grocers.		
143. Danforth, O. L., Mansfield, Ohio.	Fruit gatherer.	A-72	145
145. Dietz, Geo. A., Olden, Mo.	a Evaporated fruits.	R-69	139
	b Evaporator.		145
146. Dunham, Edward, La Canada, Cal.	Citrus fruits.	D-15	134
146a. El Cajon Valley World's Fair Association, El Cajon, Cal.	a Citrus fruits.		134
	b Raisins and dried fruits.		139
	c Fruits in glass.		140
	d Jellies.		141

## Pomology, Manufactured Products, Methods and Appliances.

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147. Ellwanger & Barry, Rochester, N.Y.		171. Holt, F., Lewiston, Idaho.	
Fruits.	B-18 133	Fruits.	B-70 133
Fruit and ornamental trees, shrubs, roses, evergreens, grape vines, hardy plants, etc. The largest collections in America. Nurseries established 53 years ago and still under the same management. Complete catalogue (160 pages) free.		175. Hubbard, I. G., Nokomis, Ill.	
148. England, A. G., Missoula, Mont.		a Peaches.	B-26 133
Fruits in glass.	C-52 140	b Wax models of peaches.	138
150. Escondido World's Fair Society, Escondido, Cal.		c Preserved peaches.	140
a Dried fruits.	H-71 139	d Orchard packing bench.	145
b Fruits in glass.	140	177. Hydraulic Press M'fg Co., Mt. Gilead, Ohio.	
151. Fallbrook Horticultural Society, Fallbrook, Cal.		Cider presses and apple graters.	O-70 144
Fruits in glass.	E-11 140	Press can be seen in operation daily.	
153. Flickinger Co., The J. H., San Jose, Cal.		178. Idaho, State of.	
a Dried fruits.	Gal. G-72 139	a Pomaceous fruits.	A-53 133
b Fruits in glass and cans.	140	b Canned fruits.	Gal. L-80 140
c Apples, peaches, etc.	133	c Dried fruits.	R-71 139
154. Florida, State of.		179. Illinois Horticultural Society.	
a Pomaceous fruits.	E-70 133	a Apples, pears, peaches and cherries.	A-25 133
b Citrus fruits.	134	b Berries.	136
c Canned and glass fruits.	140	180. Indiana, State of.	
155. Ford, Geo. W., Santa Ana, Cal.		Fruits.	A-20 133
Walnuts.	Gal. A-77 137	181. Iowa, State of.	
157. Fresno Canning Co., Fresno, Cal.		Pomaceous fruits.	C-28 133
a Dried fruits.	Gal. N-74 139	182. Jamison, E., Jacksonville, Fla.	
b Canned fruits.	140	a Preserved fruits.	140
159. Garcelon, G. W., Riverside, Cal.		b Jellies and marmalades.	69-D 141
Oranges and lemons.	A-12 134	183. Jarchow, J. H. F., San Gabriel, Cal.	
159. Gaston, A. H., Lacon, Ill.		Citrus fruits.	C-14 134
Pomaceous and stone fruits.	B-23 133	184. Johnson, F. C., Kishwaukee, Ill.	
160. Genesee Fruit Co., New York.		Cider and vinegar.	M-70 143
a Evaporated apples.	N-70 139	185. Joplin, Mrs. J. C., Tustin, Cal.	
b Cider.	143	Fruits in glass.	Gal. B-80 140
162. Godfrey, C. H., Benton Harbor, Mich.		187. Kansas, State of.	
Canned fruits.	Gal. A-78 140	a Fruits.	E-57 138
163. Gordon & Dilworth, New York.		b Jellies.	S-75 141
Gal. L-75		189. Kentucky, State of.	
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b Jellies, jams and marmalades.	140	190. Kimball, Frank A., National City, Cal.	
c Brandied fruits.	141	a Olives.	E-10 135
d Canned vegetables.	140	b Dried olives.	139
e Fruit juices and syrups.	176	c Pickled olives, olive oil.	140
164. Hall, J. P. R., El Cajon, Cal.		191. Kimball, W. C., National City, Cal.	
a Figs.	A-17 135	a Citrus fruits.	D-10 134
b Dried fruits.	139	b Olives.	135
165. Harlan, W. B., Como, Mont.		c Olive oil, olives in glass.	140
Fruits in glass jars.	C-52 140	194. Lompoc Exhibit, Santa Barbara, Cal.	
167. Hatch, A. T., Suisun, Cal.		Apples, pears, etc.	B-14 133
a Nuts.	S-79 137	196. Los Nietos Walnut Growers' Ass'n, Rivera, Cal.	
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168. Hawks, A. D., Sierra Madre, Cal.		196a. Loudon, F. W., Janesville, Wis.	
a Dried fruits.	Gal. L-72 139	Strawberries.	C-19 136
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170. Henderson, Peter, & Co., New York.		Fruits.	B-55 133
Literature.	J-78 146	198. Lusk, A. & Co., San Francisco.	
		a Dried fruits.	Gal. N-74 139
		b Canned fruits, fruits in glass.	140
		199. Lyons, Kinsie & Geis, Chicago.	
		Fruit jellies.	U-77 143

## Pomology, Manufactured Products, Methods and Appliances.

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202.	Gal. A-76	Mattocks, Chas. P., Portland, Me. Canned apples. 140
203.	E-11	Maul, Chas. A., Bakersfield, Cal. Fruits in glass. 140
208.	O-71	Michigan Cider Co., Benton Harbor, Mich. a Cider. 143 b Cider press. 144
209.	B-20	Michigan State Horticultural Society. a Fruits. 133
	Gal. J-72	b Canned fruits. 140
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210a.	C-60	Missouri Agricultural Experiment College, Columbia, Mo. a Grapes. 123
		b Cherries. 133
		c Strawberries, mulberries, currants, dewberries, raspberries, gooseberries and blackberries. 136
211.	C-60	Missouri, State of. a Pomaceous fruits. 133
	B-76	b Berries. 136
		c Canned fruits. 140
212.	C-52	Montana, State of. Fruits. 133
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		J. R. Cardwell, President; World's Fair Horticultural Commr., J. R. Cardwell; Gen'l Supt., Jay Guy Lewis; Sec'y, C. B. Irvine.
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## Pomology, Manufactured Products, Methods and Appliances, Floriculture.

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275.	Wilson, Joseph Avery, Chester De- pot, Vt. Jellies, jams, etc.	Gal. A-73 141
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## GROUP 22.

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		Dome 168
292b.	Brown, Wm. L., Flatbush, N. Y. Foliage plants.	Dome 161
293.	Brunswick, M., & Co., Rochester, N. Y. Flower plates and literature.	
		Gal. X-42 170
293a.	Buckbee, H. W., Rockford, Ill.	
	a Orchids.	149
	b Chrysanthemums.	151
		East Curtain & Greenhouse
293b.	Burns, Alex., Woodside, N. Y. Foli- age plants.	Dome 161
293c.	Burns & Raynor, New York. Cut roses and carnations.	Dome 167
294.	Burpee, W. Atlee, Philadelphia. Pansies.	Lawn 155

## Floriculture.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
295. California Nursery Co., Niles, Cal.		305. Douglas Park, Chicago. Plants.	
Roses.	Island 147	Dome 155	
600 acres; general nursery stock; hardy and semi-tropical; largest collection in America. Descriptive catalogues free.		306. Douglas, R., & Sons, Waukegan, Ill.	
296. Childs, G. W., Bryn Mawr, Pa.		Flowers and plants. East curtain 155	
a Palms and plants. Dome 159		307. Dreer, Henry A., Philadelphia. Bedding plants, palms, ferns. Lawn 155	
b Ornamental leaf plants. 161		308. Drexel, A. J., Lansdown, Pa. Palms, etc. Dome 159	
297. Childs, J. L., Floral Park, N. Y.		309. Eisele, Christian, Philadelphia.	
a Roses, etc. Island 147		a Carnations. Island 148	
b Gladiolus. 153		b Begonias and cannas. 152	
297a. Clarke, Charles J., Pittsburg, Pa.		309a. Ellerton, J., Auburn, N. Y. Plants.	
Palms. Dome 159		Dome 171	
298. Colorado, State of. Herbaria.		310. Elliot, B. A., Pittsburg, Pa. Herbaceous plants. Island 155	
Gal. V-49 171		311. Ellwanger & Barry, Rochester, N. Y.	
299. Craig, Robert, Philadelphia.		a Herbaceous plants. Island 155	
a Roses. Island 147		b Ornamental trees and shrubs. 161	
b Palms and rare exotic plants. Dome 159		311a. Executive Mansion, Washington, D. C.	
299a. Curwen, John, Villa Nova, Pa. Rare exotics. Dome 166		a Palms. Dome 159	
300. Cushman, E. H., Euclid, Ohio.		b Ficus. 160	
Gladiolus. Dome 167		312. Fairmount Park, Philadelphia. Ferns, etc. Dome 160	
300a. Cutting, Wm. Bayard, Oakdale, N. Y.		312a. Falls City Wire Works, Louisville, Ky. Florists wire designs. Gal. X-35 162	
a Palms. 159		313. Farquhar, R. & J., Co., Boston. Bedding plants. Lawn 155	
b Foliage plants. Greenhouse 161		313a. Forsterman, I., Newton, N. Y.	
301. Daacke, H. A., New York. Pansies. Lawn 155		Orchids. Dome 148	
301a. Dailleclove Bros., Flatbush, N. Y.		313b. Freeman, L., Whitestone, N. Y.	
Cut carnations, Mignonettes and chrysanthemums. Dome 167		Palms. Dome 159	
301b. Dale, Richard, St. Augustine, Fla. Tropical plants. Dome 159		314. Fuchs, Albert, Chicago. Tropical plants. East curtain 155	
301c. Dana, Chas. A., New York.		315. Gardiner, John, & Co., Philadelphia. Flowers, etc. Lawn 155	
a Palms. Dome 159		315a. Gardner, Mrs. S. P., Hindustan, India. Plants. East curtain 155	
b Foliage plants. 161		316. Gilbert & Bennett Mfg Co., Chicago. Flower stands. Gal. G-47 159	
302. Dayton Star Nursery, Dayton, Ohio.		317. Girard College, Philadelphia. Ferns, etc. Dome 159	
Roses. Island 153		318. Goode & Co., Chicago. Greenhouse plants. Greenhouse 155	
303. Dean, David, Long Island City. Cut carnations. Dome 167		319. Gordon, W. J., Cleveland, Ohio.	
303a. Dean, James, Bay Ridge, N. Y.		a Palms. East curtain 155	
a Palms. Dome 159		b Tropical plants. 155	
b Foliage plants. 161		319a. Gould, Jay, Irvington, N. Y.	
303b. Demensy, Alfred, Flatbush, N. Y.		a Palms. 155	
Cut carnations. Dome 167		b Foliage plants. 155	
304. Dingee & Conard Co., West Grove, Pa.		319b. Hamilton, Wm., Allegheny. Palms. Dome 155	
a Roses. Island 155		319c. Hart, James, New York. Cut and carnations. Dome 155	
b Climbing plants. 156		319d. Hart, M. A., New York. Cut and carnations. Dome 155	
c Perennials and flowering shrubs. 157		319e. Heinman, A., New York. Dried flowers. Dome 155	
304a. Dinsmore, Wm., Staatsburgh, N. Y.			
a Palms. Dome 159			
b Crotons. 161			
304b. Dissell, Chas., Wynnewoode, Pa.			
Plants. Dome 161			
304c. Donlan, Mrs. Jas. I., Brooklyn, N. Y.			
Harp of Irish shamrocks. Island 169			

## Floriculture.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
320. Henderson, Peter, & Co., New York.		333. Landreth, D., & Sons, Philadelphia.	
a Plants, Greenhouse and Lawn.	168	Pansies.	Lawn 155
b Plants, seedling plants.	171	333a. Lawrence, Geo., Long Island City.	Island 157
c Bulbs.	153	Cut carnations.	Dome 167
321. Hill & Co., E. G., Richmond, Ind.		333b. Leach Bros. Long Island City, N. Y.	
a Roses.	Island 147	Cut carnations.	Dome 167
b Begonias.	South Curtain 161	334. Lincoln Park, Chicago. Plants.	
322a. Hoffman & Hart, New York.	Cut roses and carnations.		Dome 158
322. Horan, Edward, New York.	Cut roses and carnations.	335. Littlejohn, Jas., Madison, N. J.	Cut roses.
	167		Dome 167
322a. Howe, Mrs. Fisher, Brooklyn, N. Y.	Foliage plants.	336. Long, Daniel B., Buffalo, N. Y.	Florists' photographs.
	Dome 161		Gal. X-34 170
322b. Hughes, A. H., Long Island City, N. Y.	Vases and flower pots.	337. Louisiana, State of. Plants.	
323. Humboldt Park, Chicago. Plants.			East Curtain 171
	East Curtain 155	337a. Marc, Gabriel & Co., Woodside, N. Y.	Roses.
324. Hanneowell, H. H., Wellesley, Mass.	Palms, etc.		West lawn 147
	Dome 159	338. Marsh, Miss Jeanette B., Baltimore.	Balconette windows.
324a. Hunter & Purdy.	Cut roses and carnations.		Gal. A-40 169
	Dome 167	339. Massachusetts, State of.	
324b. Hurd, Mrs. Ann C., Havana, Ill.	Cacti.	a Flowers.	East Curtain 168
	Dome 162	b Plants.	Lawn 171
325. Idaho, State of. Herbaria.		339a. Matthews, Geo., Great Neck, N. Y.	Cut carnations.
	Gal. X-47 167		Dome 167
326. Illinois, State of. Plants.		339b. May, John N., Summit, N. J.	Roses.
	East curtain 171		Island and greenhouse. 147
327. Jansen, E., New York. Florists' supplies, baskets, etc.		339c. McGowan, John, Orange, N. J.	Cut roses and carnations.
	Dome 169		Dome 167
328. Jeffreys & Son, Bellmore, N. Y.	Coleus.	339d. Meisseberg, Augustus, Flatbush, N. Y.	Cut roses and carnations.
	Island 161		Dome 167
328a. Joosten, C. H., New York.		339e. Meissner, P. B., Flatbush, N. Y.	a Ferns.
a Roses.	Island 147		Dome 159
b Rhododendrons, azaleas and magnolias.		b Foliage plants.	161
	150	339f. Millang Bros., New York.	Cut roses and carnations.
328b. Kauffman, E., Walden, N. Y.			Dome 167
a Ferns.	Dome 159	340. Miller, George, Lake View, Chicago.	Hothouse plants.
b Cut violets and smilax.			East Curtain 155
	167	341. Missouri, State of.	
329. Kaufmann, Ernest, Philadelphia.		a Flowers.	East Curtain 155
a Florists' designs.	Gal. L-32 167	b Plants.	Lawn 171
b Flower baskets.		c Herbaria.	Gal. H-47 167
	169	342. Montana, State of. Herbaria.	
329a. Keller, J. M., Bay Ridge, N. Y.	Ferns, etc.		Gal. W-32 167
	Dome 160	343. Moon, Saml. C., Morrisville, Pa.	Evergreens.
330. Kelsey, Fred W., New York.			Island 160
a Rhododendrons.		343a. Moore, Frank, Chatham, N. J.	Cut roses.
	Island and Lawn 150		Dome 167
b Japan maples and conifers.		343b. Muller, P., Chicago.	Floral designs and artificial flowers.
	168		L-79 167
330a. Kentucky, State of. Herbaria.		343c. Murdock, John R. & A., Pittsburg, Pa.	Camelia.
	Dome Gal. U-35 167		171
330b. Klein, Martin, Detroit, Mich.	New and unnamed plants.	344. Nanz & Neuner, Louisville, Ky.	
	Nursery 171		Roses, etc.
331. Kretchmar Bros., Flatbush, N. Y.			Island 147
Ferns.	Dome 160	We make roses on their own roots our specialty. Largest and best stock in the Southwest. By mail or express. Send for illustrated plant and seed catalogue of 116 pages. Free to all.	
332. Krick, W. C., Brooklyn, N. Y.	Florists' letters and designs.	344a. Nash, S. C., Clifton, N. J.	Cut roses.
	Gal. V-32 167		Dome
332a. Ladies of Galveston, Texas.	Oleanders, gardenias, ficus, peonias, etc.		
	Southeast Curtain 171		

## Floriculture.

Exhibit No.	Class No.	Exhibit No.	Class No.
345. Netschert, Frank, Chicago.	Artificial flowers. Q-78 167	361a. Roehrs, Julius, Carrollton Hill, N. J.	Palms. Dome 159
346. New Mexico, Territory of.		361b. Roehrs, Theo., New York.	Cut carnations and roses. Dome 167
a Flowers. East Curtain 155		362. Rupp, Henry S., & Sons, Shiremans-	town, Pa. Bedding plants. Lawn 155
b Plants. Island and Lawn 171		363. Saltford, W. G., Poughkeepsie, N. Y.	Dracaena. Dome 141
346a. New York Florists' Club, New York.		364. Samuels, W. M., & Co., Clinton, Ky.	Plants and shrubs. East Curtain 153
a Flowers. Dome 155		364a. Scholes, Fred, Brooklyn, N. Y.	a Orchids. 149
b Plants. 168		b Foliage plants. Greenhouse 161	
c Vases, pots, etc. 169		364b. Schollay, John A., Brooklyn, N. Y.	Sprinklers. Dome 171
d Literature. 170		364c. Schultheis, Anton, College Point, N. Y.	Cut carnations and roses. Dome 167
347. New York, State of.		365. Seavey, O. D., St. Augustine, Fla.	Yuccas. Lawn 162
a Herbaria. Gal. W-40 167		365a. Sheridan, Wm. F., New York.	Cut roses and carnations. Dome 167
b Plants. Island and Lawn 168		365b. Sherwood Hall Nursery Co., San Francisco.	Sweet peas. Island 155
c Flowers. East Curtain 155		366. Shuetz, Anton, Wausau, Wis.	Geraniums. East Curtain 154
d Martha Washington garden. West Lawn 171		366b. Siebrecht, L., Floral Park, N. Y.	Cut carnations. Dome 167
348. Nichols, Anna B., Laredo, Texas.		366c. Siebrecht, Wm. H., Long Island City, N. Y.	Cut carnations. Dome 167
a Palms. Dome 159		366d. Siebrecht & Wadley, New York.	a Orchids. Dome 149
b Cactaceae. Yuccas and Agaves. 162		b Palms. 159	
349. Nilsson Wm., Woodlawn, New York.		366e. Small, H. H. & Sons, New York.	Design of National Capitol in Cape flowers. Dome 167
Fancy bedding plants. Lawn 155		366f. Smith, Elmer D., Adrian, Mich.	a Chrysanthemums. Dome 151
351. Oceanside, W. F. Society, Oceanside, Cal.	Calla lily plants. Lawn 153	b Ferns. 160	
354. Orange Judd Farmer Co., Chicago.	Noxious weeds. Nursery 171	366g. Smutz, Louis, Flatbush, N. Y.	Foliage plants. Dome 161
355. Palmer, Nettie A., Chicago.	Herbaria. Gal. T-34 167	366h. Spaulding, F. A., Riverdale, N. Y.	Foliage plants. Dome 161
355a. Parden University, LaFayette, Ind.	Aquatics. South Court 163	366i. Standen, Henry E., Hoverford, Pa.	Chrysanthemums. Greenhouse 151
356. Parsons' Sons Co., Flushing, N. Y.	a Rhododendrons and azaleas. Island 150	367. Stebe, Emil, Philadelphia.	Gal. X-32 169
b Ornamental shrubs. Dome 161		a Jardinieres, baskets, etc. 154	
357. Peck, Chas. H., State Museum, Albany, N. Y.	Dried fungi. Gal. V-33 164	b Geraniums. 161	
358. Pennsylvania, State of.		c Begonias. 161	
a Flowers. East Curtain 155		368. Stecher Lithographic Co., Rochester, N. Y.	Lithographed flower plates. Gal. E-42 171
b Plants. Lawn 171		369. Steffens, N., New York.	Wire designs for florists. Dome 169
358a. Phillips, John V., Brooklyn, N. Y.	Cut roses and carnations. Dome 167	370. Strong, W. C., & Co., Waban, Mass.	Flowers. Dome 153
358b. Pierson, F. R., & Co., Tarrytown, N. Y.	Canna. East Lawn 152	370a. Sturtevant, E. D., Bordentown, N. J.	Aquatic plants. South court 163
359. Pitcher & Manda, Short Hills, N. J.	a Orchids. Dome 149		
b Plants. East Curtain and Island 171			
359a. Pratt, Mrs. Chas., Brooklyn, N. Y.	a Palms. Dome 159		
b Foliage plants. 161			
360. Rea Bros., Norwood, Mass.	Plants. Island 158		
360a. Reed & Keller, New York.	Wire designs for florists. Dome 169		
361. Reeves, Mrs. Mark E., Richmond, Ind.	Plants and flowers. Dome 155		

## Floriculture, Culinary Vegetables, Seeds, Seed Raising, Testing and Distribution.

Exhibit No.	Class No.
370b. Taylor, John H., Bay Side, N. Y. Cut roses and carnations. Dome	167
371. Thorburn, J. M., & Co., New York. Plants and flowers. Lawn and Island	155
371a. Todd, A. M., Kalamazoo, Mich. Nursery	
a Essential oil plants.	157
b Camphor tree.	166
372. Tricker, Wm., Dongan Hills, N. Y. Aquatics. Fountain on front lawn	163
373. Vaughan, J. C., Chicago. a Plants. Lawn	171
b Receptacles for plants, etc.	169
Most complete stock of greenhouse plants in the West. Mammoth catalogue free.	
374. Vick, Jas., & Sons, Rochester, N. Y. Pansies. Lawn	155
376. Walker, Mrs. S. B., Castle Rock, Col. Pressed and mounted flowers. Gal.	S-48 167
377. Washington Park, Chicago. Bedding plants. Lawn	155
377a. Weir, Jas., & Sons, Bay Ridge, N. Y. Palms. Dome	159
378. Wheeler, Mrs. Chas., Bryn Mawr, Pa. Palms, etc. Dome	159
380. Willmore, W. W., Denver, Col. Dahlias. Lawn	152
381. Wipperman, Herman, Brooklyn, N. Y. Cut carnations: Dome	167
382. Wisconsin Horticultural Society. Herbaria. Gal.	W-46 167
382a. Woltemate Bros., Germantown, Pa. Plants. Dome	171
383. Woman's W. F. Society, San Diego, Cal. Cactaceæ.	162
384. Woodruff, D. B., Macon, Ga. Plants. Dome	155
385. Young Bros., New York. Cut roses and carnations. Dome	167
387. Zarembo, Dr. Chas. W., Chicago. Orchids. Southeast curtain	149
388. Zellers, Chas., Sons, Flatbush, N. Y. a Foliage plants. Dome	161
b Orange trees.	168

## GROUP 23.

## Culinary Vegetables.

389a. Albough Georgia Fruit Co., Tadmor, Ohio, and Fort Valley, Ga. Melons. B-55	172
389b. American M'fg & Patent Co., Chicago. Vegetables in glass. S-75	176
390. Butters M'fg Co., Denver, Col. Pickles, sauces, catsup, etc. S-75	177

Exhibit No.	Class No.
390. Colorado, State of. Vegetables. S-75	177
390a. Curtice Brothers Co., Rochester, N. Y. a Canned vegetables, etc. S-74	178
b Pickles, tomato ketchup, etc.	177
See classification in group 21 and visit our exhibits at the Agricultural Building, Section C, G-3.	
391. Dietz, Geo. A., Olden, Mo. Evaporated vegetables. R-69	176
393. Godfrey, C. H., Benton Harbor, Mich. Canned vegetables. Gal. A-78	176
393a. Gordon & Dilworth, New York. Vegetables in cans and glass. K-76	176
393b. Heintz, H. J. & Co., Pittsburg, Pa. Pickles. U-76	177
394. Idaho, State of. Vegetables. R-72	173
401. Lusk, A., & Co., San Francisco. Canned vegetables. Gal. N-74	176
403. Mattocks, Chas. P., Portland, Me. Canned vegetables. Gal. A-76	176
408. New Jersey, State of. Vegetables. A-78	173
409. New Mexico, Territory of. Vegetables. S-72	173
410. New York, State of. Vegetables. P-77	173
412. Ohio Fruit Land Co., Tadmor, Ohio, and Fort Valley, Ga. Melons. A-55	172
414. Peck, Chas. A., Albany, N. Y. Edible fungi. Gal. V-33	175
416. San Jose Dried Fruit Co., San Jose, Cal. Canned vegetables. Gal. D-72	176
417. San Jose Fruit Packing Co., San Jose, Cal. Vegetables in glass. Gal. D-72	176
418. Stutzman, D., Ligonier, Ind. Evaporated vegetables. R-68	176

## GROUP 24.

## Seeds, Seed Raising, Testing and Distribution.

419. Barteldes, F., & Co., Lawrence, Kas. Seeds. D-72	180
421. Buckbee, H. W., Rockford, Ill. Garden and field seeds. F-72	179
423. Dreer, Henry A., Philadelphia. General seed exhibit. G-75	180
425. Henderson, Peter, & Co., New York. Seeds. J-78	180
Seeds for the garden and farm; bulbs, plants, flowers; grass seeds for the lawn and field; garden tools, implements, lawn mowers, sweepers, etc.; in fact "everything for the garden." Seeds for export a specialty. Greenhouses, Jersey City Heights, N. J. Stores, 35 & 37 Cortlandt street, New York.	
427. Michigan Seed Co., South Haven, Mich. General seed exhibit. J-72	180

## Seeds, Arboriculture, Appliances, Methods, Etc.

- | Exhibit No.                                     | Class'n No. |
|---|-------------|
| 428. Pitcher & Manda, Short Hills, N. J. Seeds. | A-77 180    |
| 431. Vaughan, J. C., Chicago. Seeds.            | J-75 180    |
- And No. 26 Barclay Street, New York. All garden, vegetable and flower seeds.

## GROUP 25.

## Arboriculture.

- |   |             |
|---|-------------|
| 432. Achelis, Geo., West Chester, Pa. Evergreens and shrubs.                              | J-9 185     |
| 433. Bechtel's, E. A., Sons, Staunton, Ill. <i>Pyrus augustifolia</i> (double crabapple). | Island 185  |
| 433a. Brunswick, M., & Co., Rochester, N. Y. Nursery supplies.                            | X-46 187    |
| 434. Ellwanger & Barry, Rochester, N. Y. Ornamental trees and shrubs.                     | Nursery 185 |
| 436. Gasten, A. H., Lacon, Ill. Catalpa, etc.   | Nursery 185 |
| 438. Hill, David, Dundee, Ill. Evergreens.  | Nursery 185 |
| 439. Huntsville Wholesale Nurseries, Huntsville, Ala. Nursery stock.                      | H-72 187    |
| 442. Klein, Martin, Detroit, Mich. Fruit trees.   | Nursery 186 |
| 443. Peterson, P. S., Chicago. Six large trees.   | Lawn 185    |
| 449. Phoenix Nursery Island, Bloomington, Ill. Trees and shrubs.                          | K-9 185     |
| 451. Pinney, George, Evergreen, Wis. Coniferae.   | Nursery 185 |
| 452. Ricker, E. H., Co., Elgin, Ill. a Evergreens, seedling, etc.                         | Nursery 185 |
| b Nurseries.  | 187         |
| 454. Stewart Pecan Co., Ocean Springs, Miss. Nut trees.                                   | Nursery 186 |
| 455. Stott Garden Implement Co., New York. Insecticides and distributors.                 | F-77 186    |
| 456. Trogden, Judge, Paris, Ill. Transplanter.  | P-79 186    |
| 457. Walker, Philip, Chicago. Pear seedlings.   | Nursery 186 |
| 458. Wisconsin Horticultural Society. Ornamental trees and shrubs.                        | Nursery 185 |

## GROUP 26.

## Appliances, Methods, Etc.

- |  |               |
|--|---------------|
| 460. Abendroth Bros., Port Chester, N. Y. Vases and fountains.       | Q-73 192      |
| 461. American Clingstone Peach Pitting Co., Chicago. Peach pitter.   | Gal. A-76 192 |
| 462. Arment, Samuel B., Bloomsburg, Pa. Lawn mower grass receptacle. | Gal. A-77 192 |

- | Exhibit No.   | Class'n No.        |
|---|--------------------|
| 463. Bean, Chamberlain Manufacturing Co., Hudson, Mich. Bean spray pumps.   | F-78 192           |
| 465. Caldwell Lawn Mower Co., Newburg, N. Y. Lawn mowers.   | H-77 192           |
| 466. Carmody & Moniger, Evansville, Ind. a Model greenhouse.  | Lawn 188           |
| b Heating and ventilating apparatus.  | C-13 189           |
| 466a. Carroll Pump Co., Chicago. Spray and sprinkling pumps.  | Q-78 192           |
| 467. Chadburn & Caldwell, Newburg, N. Y. Lawn mowers.   | J-73 192           |
| We manufacture lawn mowers adapted to every market in the world. Unexcelled for durability, simplicity and lightness of draught. We guarantee all our mowers. |                    |
| 467a. Cogswell, Dr. Thos., San Diego, Cal. Fruit and grape basket.  | T-72 192           |
| 468. Cross & Rowe, Bedford, Ind. Stone vases and ornaments.   | C-74 190           |
| 469. Daisy Implement Co., Pleasant Lake, Ind. Garden implements.  | E-78 & Dept. A 192 |
| 470. Deming Company, The, Salem, Ohio. Spray pumps and appliances.  | U-74 192           |
| General exhibit of pumps and office, column K-No. 33 Machinery Hall.  |                    |
| 471. Elliot, J. W., Pittsburg, Pa. Plans, sketches, etc.  | Gal. X-45 192      |
| 471a. Falls City Wire Works, Louisville, Ky. Florists' wire designs.  | Dome Gal. X-36 191 |
| 472. Frosch, Berthold, Pittsburg, Pa. Plans of parks.   | Gal. U-49 192      |
| 473. Gilbert & Bennett M'fg Co., Chicago. Wire work.  | Gal. G-47 191      |
| 474. Glennon & Krause, Chicago. Lawn mower and grass carrier.   | D-73 192           |
| 475. Graham & Passmore, Philadelphia. Lawn mowers.  | H-73 192           |
| 476. Hardt, H. B., Chicago. Model conservatory.   | Lawn 188           |
| 477. Heissenger, Frank H., New York. a Plans of greenhouses.  | Gal. T-49 188      |
| b Plans of parks, gardens, etc.   | 192                |
| 478. Henderson, Peter, & Co., New York. a Lawn mowers, sweepers, sprinklers, etc.   | J-78 192           |
| b Grass plots. W. of Gov't Bldg. and W. and N. of Electricity Bldg.   | 192                |
| 479. Hitchings & Co., New York. a Greenhouse and palm house and section of iron greenhouse.   | Lawn 188           |
| b Heating apparatus and boiler.   | Gal. W-35 189      |
| 479a. International Steel Post Co., Chicago. Steel posts.   | Lawn 191           |

## Appliances, Methods, Etc., Miscellaneous.

Exhibit No.	Class'n No.	
479. Jansen, Ed., New York.	Fancy 190	
Novelties in fancy baskets and florists' supplies. 124 W. 19th Street.		
480. Johnson, John C., Atlantic City, N. J.		
Grotto with aerated water fountain.		
	M-68 Gal. F-49	192
480a. Joosten, C. H.	Insecticide and magazine bellows.	Gal. A-79 192
480b. Keith & Allabough, Deadwood, So. Dak.	Cave grotto.	
Under mountain in dome.		
481. Lawrence, W. H., Milton, Pa.	Terra cotta posts.	U-74 191
481a. Lewis, P. C., Manufacturing Co., Catskill, N. Y.	Brass spray pumps.	D-72 192
482. Lord & Burnham Co., Irvington, N. Y.	Greenhouse.	Lawn 188
Furnish practical and artistic designs for parks, institutions, private residences, and plans for commercial purposes. Estimates made for erection complete.		
483. Mann, Chas. S., San Francisco.	Tree pruner.	R-77 192
483a. Mammoth Cave Co., Deadwood, S. Dak.	Grotto.	Under dome 192
Illustrating the largest cavern, the grandest scenery in the world, 52 miles of continuous crystallization, 1,400 rooms, 37 lakes, even their beds all crystal, 3 streams, a 100-foot waterfall that transcends everything. C. & N. W. R. direct to the cave. Souvenirs from the cave for sale.		
483b. Matlock, D. B., San Francisco.	Fruit gatherer.	Q-79 192
483c. Myers, F. E. & Bro., Ashland, Ohio.	Spray pumps.	B-72 192
484. New York Central Iron Works, Geneva, N. Y.	Greenhouse boiler.	
	Greenhouse	189
485. Orange Judd Farmer Co., Chicago.	Fences, ancient and modern.	
	Nursery	191
"Orange Judd Farmer," the leading weekly agricultural journal; \$1.00 a year. Leading advertisers use it. Send for rates.		
487. Pitcher & Manda, Short Hills, N. J.	Designs of gardens, etc.	Gal. E-47 192
489. Portland Lawn Sprinkler Co., Portland, Me.	Lawn sprinklers.	C-75 192
Our lawn sprinklers travel automatically, greatly reducing the labor and expense in care of lawns. Can be set to travel in a straight line or on a circle, and will throw water from 10 to 50 feet in width.		
a-B.		

Exhibit No.	Class'n No.	
491. Rendle, A., Edgcombe, Philadelphia.		
a Conservatory. Greenhouse construction.		
	Lawn	188
b Heating apparatus.		
	A-74	189
493. Roome, Stabb & Co., New York.	Portable summer house.	Lawn 190
494. Rose, N. Jonson, New York.	Designs of parks, gardens, etc.	Gal. S-49 192
496. Sedgwick Bros. Co., Richmond, Ind.		
a Wire chairs.		
	D-75	190
b Ornamental wire work.		
		191
c Summer house.		
		192
Woven wire farm and garden fencing; automatic gates; wire fence stretchers; wire lawn furniture. Call at exhibit north end Horticultural Hall for illustrated circular.		
496a. Spriesterbach & Leissier, Pittsburg, Pa.	Model of music pavilion.	
	Gal. G-33	192
497. Stebe, Emil, Philadelphia.	Grotto, with waterfall.	X-33 192
498. Stevenson & Thomas, North Bend, Neb.	Tree baler.	U-75 192
499. Stott Garden Implement Co., New York.	Distributors, sprayers, etc.	
	F-77	192
499a. Strong, Mrs. W. R., Whittier, Cal.	Storage reservoir.	
		192
500. Supplee Hardware Co., Philadelphia.	Lawn mowers, grass catchers.	F-73 192
502. Thompson M'fg Co., Elkhart, Ind.	Lawn sweepers and rollers.	F-78 192
503. Vaughan, J. C., Chicago.	Horticultural supplies.	J-75 192
For florists, gardeners and nurserymen.		
504. Von Holdt, F., Denver, Col.	Plans of parks and cemeteries.	Gal. E-45 192
504a. Wethered, Thos., W. Sons, New York.	Villa conservatory.	Lawn 188
505. Whitman & Barnes M'fg Co., Akron, Ohio.	Lawn mower.	
	E-1-5 Dept. A	192
506. Wirt & Knox M'fg Co., Independence, Mo.	Hose reel.	C-73 192
507. Wisconsin State Cranberry Growers' Ass'n, Mather, Wis.	Cranberry bog.	
	Nursery	192

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## DEPARTMENT A.

## GROUP 12.

## Malt Liquors.

509. Bott, John, Walkerville, Canada.	
a Wine of malt.	
	72
b Pure malt stout.	
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## Miscellaneous.

**GROUP 14.****Farms and Farm Buildings.**

Exhibit No.	Class'n No.
510. Thirteen large photographs of Ontario, Canada, fruit farms.	78

**DEPARTMENT E.****GROUP 42.****Minerals, Ores, Native Metals, Gems and Crystals—Geological Specimens.**

511. Keith & Allabough, S. D. Crystals from Mammoth Crystal Cave, Black Hills, S. D.	291
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**DEPARTMENT G.****GROUP 80.****Railways, Railway Plant and Equipment.**

Exhibit No.	Class'n No.
512. Wickes Refrigerator Car Co., Chicago. Refrigerator and ventilated car for transporting fruits.	P-79 500

# CALIFORNIA.

LOCATION—S. W. CURTAIN, A to E-31-35 AND N. PAVILION, R-78.

Viticulture, Pomology, Manufactured Products, Methods and Appliances.

## GROUP 20.

Exhibit No.	Class'n No.
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2. Fresno County. Raisins.	124
3. Loud & Gerling, Pomona. Dried raisins.	124
4. Overacker, H., Jr., Centerville. Grapes.	123
4a. Souther & Crosby, El Cajon. Raisins.	124

## GROUP 21.

5. Abbott, M. A., Rivera. Citrus fruits.	134
6. Abbott, Tracey, Rivera. Citrus fruits.	134
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7a. Adams, F. F., Fallbrook. Citrus fruit.	134
8. Adams, G. B., Alhambra. Citrus fruits.	134
9. Adams, P. T., Tustin. Citrus fruits.	134
10. Albertz, Ferdinand, Cloverdale. Cherry cordial.	143
10a. Aldrich, A. M., Riverside. Citrus fruits.	134
11. Allen, B. F., Chico. a Peaches, pears and plums. b Dried peaches.	140 139
12. Allen, L. E., San Diego. a Lemons and oranges. b Fruits in glass. c Guava jelly.	134 140 141
13. Anderson, L. C., Alhambra. Citrus fruits.	134
13a. Andrews, J., Los Angeles. Kelsey plums.	140
14. Armstrong, H. L., Pomona. Citrus fruits.	134
14a. Atwood, C. G., Riverside. Citrus fruits.	134
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15a. Backus & Shepard, Riverside. Citrus fruits.	134

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15c. Baker, E. F., Nordhoff. Olives.	137
16. Baker, W. R., Pasadena. a Dried prunes and pears. b Prunes in fluid.	134 134
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18. Banbury, J. W., Pasadena. Citrus fruits.	134
19. Bangle, John, Rivera. Madeira nuts.	137
20. Barbour, A., Chula Vista. Oranges.	134
20a. Barnes, C., Ventura. Pears.	140
20b. Bartlett, Jas., Colton. Oranges.	140
20c. Bell, John C., Oroville. Olives and figs.	135
20d. Bellevue Ranch, Bakersfield. Oranges.	140
21. Bellew, M., Milpitas. Apples, apricots, cherries, pears, prunes, plums and quinces.	140
23. Bequette, L. L., Rivera. English walnuts.	137
24. Bidwell, John, Chico. Apricots, cherries, nectarines, peaches, pears and plums.	133
24a. Blanchard, N. W., Santa Paula. a Citrus fruits. b Grapes.	134 140
25. Bliss Bros., Duarte. a Dried plums, peaches and apricots. b Branch of figs.	139 140
25a. Blodget, H. A., Bakersfield. Plums.	140
26. Boetcher, H., Los Angeles. California chestnuts.	137
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29a. Bracker, Mrs. H., Jefferson. Peaches.	140
29b. Branch, John, Los Angeles. Pears.	140

## Pomology, Manufactured Products, Methods and Appliances.

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30a. Briggs, B. B., La Crescenta.	Prunes. 140	a Citrus fruits.	134
30b. Briggs, J. S., Ventura.	Figs on branch. 140	b Madeira nuts.	137
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31. Brown, E. G., Riverside.	Citrus fruits. 134	47. Collins, Frank, Orange.	Citrus fruits. 134
31a. Brown, Payne, Chula Vista.	Oranges. 134	47a. Comstock, A. B., Simi.	Prunes on branch. 140
32. Brown, W. O., Sunnyside.	Oranges. 134	47b. Connell, D. A., Riverside.	Citrus fruits. 134, 140
33. Bundy, M. J., Santa Ana.	Citrus fruits. 134	47c. Cook, D. C., Piru.	Pears. 140
34. Burr, John, San Fernando.	Dried raisins and peaches. 139	47d. Cook, J. T., Tropico.	Peaches. 140
34a. Butte Co. Horticultural Association, Chico.	Citrus fruits. 140	47e. Coulter, F. M., Los Angeles.	Date bloom. 140
34b. California Mutual Lemon Co., San Diego.		48. Cox, W. J., Azusa.	Citrus fruits. 134
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42a. Clark, L. L., Sierre Madre.	Oranges. 134	56. Dunham, E., La Canada.	
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60a. Edmestone, James, Riverside. Citrus fruits.	134	71c. Foster, Wm., Lincoln. Dried figs.	135
61. Ellis, H. R., El Cajon. Raisins.	137	71d. Fox, A. S., Colton. Oranges.	140
61a. Ellis, Mrs., Los Angeles. Quinces.	140	72. Fox, R. D., San Jose. Peaches and pears.	140
61b. Elmendorf, W. E., Santa Ana. Peaches.	140	72a. Freear, H. T., Bakersfield. Apricots.	140
62. Englehart, H. D., Glendora. Dried apricots.	139	72b. Fresno County World's Fair Ass'n, Fresno. Dried fruits.	139
63. Entwistle, Jas., Vernon. Citrus fruits.	134	73. Frisbie, J. C., Sunnyside. Oranges.	134
64. Entler, Joseph, Chico. Peaches and plums.	133	73a. Fuller, W. C., Colton. Oranges.	140
64a. Everest, H. B., Riverside. Citrus fruits.	134	73b. Gage, M., Riverside. Citrus fruits.	134
65. Fallbrook Horticultural Society, Fallbrook.		74. Garcelon, G. W., Riverside. Citrus fruits.	134
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b Dried fruits.	139	74b. Gates, F. A., Garden Grove. Cluster of dates.	140
c Fruits in glass.	140	75. Gibbs, Isaac, Vernondale.	
65a. Farrelly, R. S., San Leandro. Cherries.	140	a Citrus fruits.	134
65b. Feely, D. C., Patchen. Plums.	140	b Guavas, plums.	140
66. Ferry, W. H., Lakeside.		75a. Gibson, Essington, Nordhoff. Citrus fruit.	134
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e Glacéd figs.	142	75f. Goldstone, J., Ventura. Cherries.	140
66a. Fish, Geo., Rivera. Citrus fruit.	134	76. Gooch, T. L., Rivera.	
66b. Fitzgerald, A. P., Duarte. Citrus fruit.	134	a Citrus fruits.	134
66c. Fleming, Mrs. E., National City. Jellies.	141	b Madeira nuts.	137
67. Flickinger Co., The J. H., San Jose.		77. Gordon, J. T., El Cajon.	
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b Preserved cherries, peaches, plums and prunes.	140	b Dried peaches.	139
67a. Flora, Mrs., Rivera.		78. Gordon, J. T., Azusa. Citrus fruits.	134
a Citrus fruit.	134	79. Granger, Ralph, National City. Oranges and lemons.	134
b Shadlocks.	140	80. Gray, John C., Oroville.	
68. Flourney, G. H., Henleyville.		a Figs.	139
a Fresh fruits.	133	b Olives.	140
b Preserved fruits.	140	80a. Greenfield's Ranch, Bakersfield. Pears and prunes.	140
68a. Floyd, Mrs., National City. Citrus fruit.	134	80b. Greer, P. B., Courtland. Peaches and pears.	133
69. Fogg, E. W., Oroville.		80c. Greer, E., Sacramento. Peaches.	133
a Citrus fruits.	134	80d. Gridley, S. C., Nordhoff. Citrus fruits.	134
b Olives and olive oil.	135	80e. Griffin, J. L., National City. Apricots.	140
69a. Ford, Geo., Santa Ana. Banana blossom in fluid.	135	80f. Griffin-Skelly Co., Riverside. Citrus fruits.	134
70. Ford, Geo. W., Santa Ana. Citrus fruits.	134	80g. Griffith, A. P., Azusa. Grapes.	140
71. Ford, W. H., Niles. Almonds.	137	81. Grover, M. V., Oroville. Apples, peaches and plums.	133
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83a. Haberlin, A., Riverside.	Citrus fruits. 134	95. Hommell, J. H., Glendora.	Citrus fruits. 134
84. Haddock, Jas., Vernondale.	Citrus fruits. 134	96. Hooper, A. L., Vernondale.	Citrus fruits. 134
84a. Haddock, J. A., Duarte.	Citrus fruits. 134	96a. Hooper, Geo. F., Sonoma.	Olive oil. 143
84b. Haines, A., Santa Paula.	Citrus fruits. 134	96b. Hopkins, Mrs. M., Newcastle.	Jellies. 141
84c. Hair, W., Pomona.	Pears. 140	96c. Hosmer, N. H., Sierra Madre.	Citrus fruits. 134
84d. Halesworth, W. W., Santa Ana.	Jujube, with leaves. 140	97. Houser, J. O., Covina.	Citrus fruits. 134
84e. Hall, Anderson & Burns, Nordhoff.	Citrus fruits. 134	97a. Howe, W. S., & Co., Nordhoff.	Citrus fruits. 134
85. Hall, Geo. S., Monrovia.	a Citrus fruits. 134	97b. Howland, J. L., Pomona.	Olive oil. 140
	b Berry crate. 145	97c. Hubbard, G. F., Ventura.	Crab apples. 140
85a. Hall, J. P. R., El Cajon.	a Figs. 135	98. Hudson, George H., Niles.	a Peaches. 133
	b Dried fruits. 139		b Almonds. 137
86. Hall, G. T., Monrovia.	Citrus fruits. 134	99. Humphrey, A. B., Mayhews.	Peaches. 133
87. Halstead, A. S., Alhambra.	Citrus fruits. 134	99a. Huntley, E., Prospect Park.	Pears. 140
87a. Hamilton, J. E., Julian.	Apples. 133	99b. Hutchins, J., Central House.	Olives on branch and oranges. 140
87b. Handy, G. W., Santa Clara.	Prunes. 139	100. Hutchins, John, Gridley.	Apples, apricots and pears. 133
88. Hannahs, Geo., Sunnyside.	Lemons. 134	101. Hutchins, Thos. B., Gridley.	Apricots, peaches and plums. 133
88a. Hardison, W. L., Santa Paula.	Citrus fruits. 134	102. Hyatt, Frank, Paradise.	Oranges. 134
89. Harland, N. C., Paradise Valley.	Citrus fruits. 134	102a. Ingham, T. S., Highlands.	Oranges. 140
90. Harvey, J. S., El Nido.	Oranges and lemons. 134	103. Invararity, Jas., Vernondale.	Citrus fruits. 134
90a. Hatch, E. M., Ontario.	Citrus fruits (lemons). 134	105. Jarchow, J. H. F., San Gabriel.	Citrus fruits. 134
91. Hawks, A. D., Sierra Madre.	a Citrus fruits. 134	105a. Jarvis, John, Riverside.	Citrus fruits. 134
	b Dried prunes and peaches. 139	106. Jarvis, Joseph, Riverside.	Citrus fruits. 134
91a. Hawley, G. M., El Cajon.	Dried fruits. 139	106a. Jenkins, J. H., Los Angeles.	Oranges. 140
91b. Hawley, G. R., El Cajon.	Dried peaches. 139	106b. Jenney, E. W., Helix.	Citrus fruits. 134
91c. Henry, W. A., Chula Vista.	Citrus fruits. 134	107. Johnson, A. H., Duarte.	Citrus fruits. 134
92. Hewitt, C. B., Pasadena.	Dried peaches. 139	108. Johnson, D. D., Norwalk.	Grapes. 140
92a. Hadden, C., Highlands.	Pumalos and lemons. 140	109. Johnson, I. H., Rivera.	Madeira nuts. 137
93. Higgins, H. M., National City.	134	110. Johnson, M. D., Los Angeles.	Citrus fruits. 134
93a. Hinder, G., Fullerton.	Olives on branch. 140	111. Johnson, Monroe, Chula Vista.	Oranges. 134
93b. Hines, M., Redlands.	Oranges. 140		
93c. Hines, W., Riverside.	Citrus fruits. 134		

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112. Johnson, P. O., Rivera. Madeira nuts.	137	123a. Long, J. G., Santa Ana. Citrus fruits.	
112a. Johnson, Wm., Richland. Peaches and plums.	140	123b. Los Angeles County. Citrus fruits.	
112b. Johnson & Wheelock, Riverside. Citrus fruits.	134	124. Lowell, Alexander, Bakersfield. Plums.	
113. Jones, A. F., Oroville. a Citrus fruits.	134	125. Lowell, Wilmot, Bakersfield. Peaches.	
b Figs.	135	125a. Lyon, Mrs. R., Matilija. Lemons.	
113a. Jones, C. H., Niles. Peaches and plums.	133	126. Mackenzie, J. S., Vernondale. Citrus fruits.	
113b. Jones, J. J., Palmdale. Plums on branch.	140	127. Maddock, J. A., Duarte. Citrus fruits.	
113c. Jones, J. P., San Diego. Figs and quinces.	140	129. Marshall, S. M., El Cajon. Citrus fruits.	
113d. Jones, M. S., Tustin. Citrus fruits.	134	130. Martin, J. H., Rivera. Madeira nuts.	
114. Joplin, Mrs. J. C., Tustin. Fruit in glass.	140	131. Matson Bros., Rivera. Citrus fruits.	
115. Joy, G. L., South Riverside. Oranges.	140	131a. Maxson, J. W., Rivera. Citrus fruits.	
116. Keen, A., & Son, National City. Citrus fruits.	134	131b. Maul, C. A., Bakersfield. Fruits in glass.	
116a. Keller, E. W., Pomona. Prunes on branch.	140	131c. Maynard, H. A., San Bernardino. Tangerine oranges.	
116b. Kemp, W. H., Chico. Peaches.	140	132. McClelland, J. J., Rivera. Madeira nuts.	
116c. Kennedy, J. Logan, Matilija. Citrus fruits.	134	132a. McClure, James, Satcoy. Citrus fruit.	
116d. Kern County Land Co. Oranges.	140	132b. McDonald, W. B. H., Santa Paula. Citrus fruits.	
116e. Kerr, Mrs. G. H., Elk Grove. Preserved figs.	140	132c. McDougall, C. A., San Diego. Apples, pears, etc.	
117. Kimball, E. C., Pomona. Citrus fruits.	134	133. McFadden, Wm., Fullerton. Citrus fruits.	
118. Kimball, F. A., National City. Lemons.	134	134. McGlincey, A. M., Campbell. Cherries and peaches.	
119. Kimball, W. C., National City. a Oranges.	134	134a. McKeveit, C. H., Santa Paula. Citrus fruits.	
b Limes.	140	135. McKinlay, S., Vernon. a Apples.	
120. King, Eli, Rivera. Madeira nuts.	137	b Citrus fruits.	
120a. Kingsley, S., Bakersfield. Peaches.	140	135a. McKinley, Wm., Vernondale. Apples.	
121. Kingsley, S. B., Alhambra. Citrus fruits.	134	135b. McKoon, Hosmer P., Santee. a Pomaceous fruits.	
121a. Kleinfelter, P. K., Riverside. Citrus fruits.	134	b Canned fruits.	
122. La Corona Vineyard, Bakersfield. Grapes.	140	135c. McLaren, Mrs. P., San Diego. Crystallized fruits.	
122a. Lane, Mark, San Francisco. Walnuts.	137	135d. McLaren, Mrs. S. M., San Diego. Crystallized citrus fruits.	
122b. La Rue, S., Riverside. Citrus fruits.	134	135e. McLeod, A. J., Bakersfield. Apricots.	
122c. Lauterman, J. L., Los Angeles. Cherries.	140	135f. McMillan, Mrs. Hugh, Nordhoff. Olives.	
122d. Lewis, E., Elk Grove. Peaches and plums.	133		
122e. Linn, W. S., Ventura. Raspberries.	140		

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135h. McMullen, Geo. C., Sacramento.	Peaches. 133	159. Packard, J. E., Pomona.	Citrus fruits. 134
135i. Meacham, R. W., Riverside.	Citrus fruits. 134	161. Park, H. C., Bakersfield.	Nectarines. 140
136. Meade, Thos., Vernondale.	Citrus fruits. 134	161a. Parker, J. B., Orange.	Citrus fruits. 134
138. Meek Estate, San Lorenzo.		162. Passons, T. R., Rivera.	
a Apples, apricots, pears, cherries, plums, prunes, quinces, peaches, nectarines.	133	a Citrus fruits.	134
b Currants.	136	b Madeira nuts.	137
c Almonds, chestnuts and walnuts.	137	162a. Patterson, George, Decoto.	Hickory nuts. 137
138a. Mellen, T. J., Beaumont.		163. Patterson, J. E., Helix.	Oranges. 134
a Dried fruits.	139	165. Payne, C. R., Redlands.	Oranges and blossoms. 140
b Fruits in fluid.	140	166. Perkins, D. K., Oroville.	Apples, pears, peaches, plums and cherries. 133
138b. Meserve Bros., Pomona.	Olives on branch. 140	166a. Perris World's Fair Society, Perris.	
138c. Meserve & Son, Pomona.	Olives on branch. 140	a Dried fruits.	139
139. Meyers, Mrs. F. H., Irvington.		b Fruits in glass.	140
Almonds.	137	167. Phillips, A., Alhambra.	Citrus fruits. 134
140. Miller, Henry, Bakersfield.	Pears. 140	167a. Pike, C. W., Fresno.	Raisins. 139
140a. Miller, Jacob, Cahuenga.	Coffee berries on branch, in fluid. 135	168. Pollard, E., Alhambra.	Citrus fruits. 134
141. Miller, Jacob, Colegrove.	Cherimoyers. 135	169. Porter, L. D., Pasadena.	Dried peaches and prunes. 139
142. Millsap, Thos., Vernondale.	Citrus fruits. 134	170. Porter, L. S., Pasadena.	Citrus fruits. 134
142a. Montague, W. F., Riverside.	Citrus fruits. 134	170a. Preble, S. W., Tustin.	Citron. 140
143. Montgomery, J. A., Rivera.	Madeira nuts. 137	171. Prentice, W. B., Helix.	Lemons. 134
144. Montgomery, H. L., Rivera.	Madeira nuts. 137	171a. Prescott, C. W., San Bernardino.	Oranges. 140
144a. Morrison, T. G., Ventura.	Prunes. 140	172. Puls, A. A., Riverside.	Citrus fruits. 134
145. Morse, Peter, Chula Vista.	Oranges. 134	172a. Pyle, D. M., Bakersfield.	Grapes. 140
148. Moss, H., Rivera.	Madeira nuts. 137	172b. Quisiana, Placer Co.	Olive oil. 143
149. Moss, Wm., Rivera.		172c. Quito Olive Farm, Santa Clara.	Olive oil. 143
a Citrus fruits.	134	173. Randall, Philip, Bakersfield.	Quinces and pears. 140
b Madeira nuts.	137	173a. Reece, David, Florin.	
150. Mott, Fletcher, Perris.	Oranges. 134	a Pears.	133
151. Moyse, J., Rivera.	Madeira nuts. 137	b Strawberries.	136
152. Naftzger, A. H., Riverside.	Citrus fruits. 134	173b. Reidy, M., Escondido.	Dried fruits. 139
155. Nolton, Albert, Vernon.	Citrus fruits. 134	173c. Reinhaus, G., Santa Ana.	Italian chestnuts. 137
155a. O'Hare, P., Bakersfield.	Pears. 140	174. Reynolds, E. T., Chico.	Apricots, peaches and plums. 133
156. Overacker, Charles B., Niles.	Almonds and chestnuts. 137	174a. Reynolds, F. A., Helix.	Citrus fruits. 134
157. Overacker, H., Jr., Centerville.	Peaches and prunes. 133	174b. Rice, W. I., Matilija.	Citrus fruits. 134
158. Overholtzer, S. A., Covina.	Citrus fruits. 134		

Pomology, Manufactured Products, Methods and Appliances.

Exhibit No.	Class'n No.
174c. Richardson, C. H., Pasadena.	Citrus fruits. 134
175. Richardson, S., Alhambra.	Citrus fruits. 134
175a. Riverside County.	Citrus fruits. 134
175b. Robb Bros. & Wilder, Riverside.	Olive oil. 143
175c. Roberson, Emily, Auburn.	Olive oil. 143
176. Roberts, Henry, Azusa.	Citrus fruits. 134
177. Roberts, John W., Riverside.	Citrus fruits. 134
178. Rogers, Ashley C., Azusa.	Citrus fruits. 134
178a. Routier, James, Routier's.	Peaches and plums. 133
178b. Runyon, Sol., Courtland.	Peaches and pears. 133
179. Russell Strong Ranch, Whittier.	Citrus fruits. 134
179a. Rutter, J., Florin.	Pears. 133
179b. San Bernardino County.	Citrus fruits. 134
179c. San Diego County.	a Citrus fruits. 134 b Fruits in glass. 140
180. San Diego Land & Town Co., National City.	Lemons. 134
Growers and packers of oranges and lemons. Owners of 80,000 acres of irrigated fruit lands. Builders and owners of the Sweetwater Dam and its subsidiary system of distributing pipe lands. Offers lands for settlement.	
181. San Marcos Land Company, San Diego.	a Green fruit. 133 b Citrus fruits. 134 c Tropical fruits. 135 d Small fruits. 136 e Nuts. 137
182. Sargent, E. P., Riverside.	Citrus fruits. 134
182a. Say, J. D. R., Santa Paula.	Citrus fruits. 134-140
182b. Schakke, H., San Jose.	Cherries. 140
183. Scott, John, Duarte.	Citrus fruits. 134
183a. Sefton, J. W., Helix.	Citrus fruits. 134
184. Sewell, D. B., Tustin.	Citrus fruits. 134
184a. Shaner & Co., Los Gatos.	Prunes. 139
185. Shaw, Woolsey, Berryessa.	Cherries, prunes and peaches. 140

Exhibit No.	Class'n No.
185a. Sheldon, C. H., Matilija.	Citrus fruits. 134
186. Shepherd, C. J., Vernondale.	Citrus fruits. 134
186a. Sherman Bros., Newcastle.	Dried fruits. 139
187. Shields, Elizabeth, Routier's.	Prunes. 133
187a. Shugart, K. D., Riverside.	Citrus fruits. 134
187b. Silkwood, B., Orange.	Quinces. 140
187c. Silva, C. M., Lincoln.	Oranges, limes and lemons. 134
188. Silver, J. W., Rivera.	Madeira nuts. 137
189. Smith, A. Guy, Tustin.	Citrus fruits. 134
190. Smith, C. C., Evergreen.	Oranges. 140
191. Smith, Fred T., Pomona.	Citrus fruits. 134
191a. Smith, George, Sacramento.	Apricots and plums. 133
192. Smith, Julius P., Livermore.	a Pears. 133 b Olive oil. 143
192a. Smith, N. B., Ventura.	Fruits in glass. 140
193. Smith, R. H., Vernon.	Citrus fruits. 134
195. Snow, H. K., Tustin.	Citrus fruits. 134
196. Snyder, Andrew, Vernondale.	Citrus fruits. 134
197. Somers, W. H., Santee.	Oranges. 134
198. Sonoma Preserve Co., Petaluma.	a Preserves. 140 b Jams, jellies, etc. 141
199. Staley, Theo., Fullerton.	Citrus fruits. 134
199a. Staum, L., Glendora.	Dried apricots. 139
200. St. Claire, I., Covina.	Citrus fruits. 134, 140
201. Stender, A. G., Chula Vista.	Lemons. 134
202. Stephens, H., Westminster.	Apples. 140
202a. Stephens, R. D., Mayhews.	Plums. 134
202b. Stevens, Kinton, Santa Barbara.	Orange wine. 143
203. Stevenson, Richard, Otay.	Lemons. 134
204. Stevenson, Wm., Pasadena.	Dried raisins and peaches. 139
205. Stewart, James, Downey.	a Citrus fruits. 134 b Dried figs. 139

## Pomology, Manufactured Products, Methods and Appliances, Culinary Vegetables.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
205a. Stillwell & Wilsie, Nordhoff.	Citrus fruits.	220c. Ventura County.	Citrus fruits.
205b. Stockdale Ranch, Bakersfield.	Oranges.	221. Wadsworth, F. Q., San Diego.	Lemons and oranges.
206. Stokes, A. J., Chollas Valley.	Oranges.	221a. Waite, E. J., Redlands.	Oranges.
207. Story, F. Q., Alhambra.	a Citrus fruits.	222. Waite, L. C., Riverside.	Citrus fruits.
	b Figs.	223. Wall, W. B., Tustin.	Citrus fruits.
208. Story, H. L., San Diego.	Oranges.	224. Watson, Ernest, Duarte.	Citrus fruits.
209. Strawbridge, Wm. T., Whittier.	a Citrus fruits.	226. Weeks, A. C., Alhambra.	Citrus fruits.
	b Fruits in glass.	227. White, D., Rivera.	Madeira nuts.
210. Strong, Harriet W. R., Whittier.	Citrus fruits.	228. White & Hankey, Santa Ana.	English walnuts.
210a. Stuckey, E. B., Chico.	Pears.	228a. Wickoff, J. B., Nordhoff.	Citrus fruits.
210b. Suman, P., Riverside.	Citrus fruits.	229. Wilcox, C. W., Tustin.	Citrus fruits.
211. Swain, A. H., Bakersfield.	Pears.	230. Wiley, Wm., Rivera.	Madeira nuts.
212. Swayne, E. J., National City.	Oranges.	231. Williams, Mrs. E. L., Chula Vista.	Oranges and lemons.
213. Swayne, T. J., National City.	Oranges.	232. Wilson, Wm., Chula Vista.	Oranges.
213a. Swiggart, R. B., Riverside.	Citrus fruits.	233. Wolfe, I. W., Nordhoff.	Olives.
213b. Talmage, B., Pasadena.	Citrus fruits.	234. Woodbridge, W. D., Escondido.	Oranges.
213c. Teague, D. C., San Dimas.	Citrus fruits.	234a. Woodworth, L. D., Azusa.	Citrus fruits.
213d. Telbey, R. R., San Yenez.	Olive oil.	234b. Wren, W. H., Duarte.	Citrus fruits.
213e. Thatcher, E. S., Nordhoff.	Citrus fruits.	234c. Wright, A., Los Angeles.	Olives on branch.
213f. Thermalito Oil Association, Thermalito.	Olive oil.	235. Wright Bros., Riverside.	Citrus fruits.
214. Thomson, A. C., Duarte.	Citrus fruits.	235a. Wycoff, J. B., Nordhoff.	Oranges.
215. Thompson, C. C., Pasadena.	a Dried prunes and peaches.	235b. Yates, C. G., Ventura.	Tree tomato.
	b Prunes in fluid.	235c. Young, J. V. N., Arroyo Grande.	Apples.
216. Thompson, R. A., Escondido.	Oranges and grape fruit.	235d. Younglove, N. C., Riverside.	Citrus fruits.
217. Thorpe, S. R., Los Angeles.	Dried apricots.		
217a. Threlkel, G. L., Newcastle.	Pomaceous fruits.		
218. Thresher Bros., Gridley.	Peaches, plums, pears and prunes.		
218a. Tuttle, H. B., Ontario.	Oranges.		
219. Tweedy, J. J., Rivera.	Madeira nuts.		
220. Twogood, D. C., Riverside.	Citrus fruits.		
220a. Vance, T., Santa Paula, Cal.	Soft shell English walnuts.		
220b. Van Leuven, E. F., Colton.	Oranges.		

## GROUP 23.

238. Atkinson, B., Los Angeles.	a Potatoes.	173
	b Asparagus.	174
239. Baker, W. R., Pasadena.	Vegetables.	176
240. Barber, R. S., Alviso.	a Tomatoes.	172
	b Onions.	173
240a. Barnard, E. C., Ventura.	Red peppers.	176
241. Beasley, E. E., Fullerton.	Cabbage.	174

Culinary Vegetables, Arboriculture.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
243. Boots, Wm., Alviso.	Tomatoes. 176	267. Rapp, Wm., Colegrove.	
244. Butler, J. M., Los Angeles.	Potatoes. 178	a Potatoes.	178
247. Casselli, Vincenzo, San Jose.	Sweet corn. 176	b Green corn and egg plant.	175
248. Cole, Seward, Colegrove.		268. Roberts, O. E., Colegrove.	Pepper and tomatoes. 172
a Beans, peas, pepper and tomatoes.	172	271. Sonoma Preserve Co., Petaluma.	Pickles. 177
b Beets, carrots, potatoes, turnips and sweet potatoes.	173	GROUP 25.	
c Green corn, etc.	175	277. Coronel, Mrs. A. T., Los Angeles.	
249. Coyner, J. E., The Palms.	Beets and turnips. 173	Loquat trees.	Open court 186
249a. Dedrich, C. W., San Diego.	Currant tomatoes. 176	278. Dillon, H. C., Long Beach.	Lemon, olive and orange trees. Open court 186
250. Dungan, R. M., Orange.	Beans. 176	279. Driffill, J. A., Pomona.	Orange trees. 186
251. Joplin, J. C., Bell Canyon.	Cauliflower. 176	280. Los Angeles Co. Farm, Los Angeles.	Orange trees. Open court 186
257. Luccock, T. J., Clearwater.	Cabbage. 174	281. Richardson, C. H., Pasadena.	Fig and guava trees. Open court 186
259. Meek Estate, San Lorenzo.	Rhubarb. 174	282. Rust & Son, H. N., South Pasadena.	Shaddock, tangerine and loquat trees. Open court 186
261. Murdock, S. J., Westminster.		283. Southern California World's Fair Association, Los Angeles.	
a Peppers and cucumbers.	176	a Ornamental trees.	Nursery 185
b Onions, beets and sweet potatoes.	173	b Bearing citrus grove.	North court 186
c Rhubarb	174	c Nursery trees.	Nursery 187
		284. Strawbridge, W. T., Whittier.	Orange tree. Open court 86

# COLORADO.

LOCATION—N. W. CURTAIN, A-B-62 to 65 AND N. PAVILION S-75.

Viticulture, Pomology, Manufactured Products, Methods and Appliances.

## GROUP 20.

Exhibit No.	Class'n No.
1. Bell Bros., Montrose. Grapes.	122
2. Brene, G. P., Cañon City. Grapes.	122
3. Carr, A. W., Delta. Grapes.	122
4. Coburn, W. S., Paonia. Grapes.	122
5. Fancett, G. W., Paonia. Grapes.	122
6. Felton, W. B., Cañon City. Grapes.	122
7. Frazer, Jesse, Florence. Grapes.	122
8. Gravestock, John, Cañon City. Grapes.	122
9. Harlow, Mrs. Kate L., Grand Junction. Grapes.	122
10. Hotchkiss, E. T., Hotchkiss. Grapes.	122
11. Hoyt, A. B., Grand Junction. Grapes.	122
12. Kiefer Bros., Fruita. Grapes.	122
13. McGranahan, G. B., Delta. Grapes.	122
14. Olds, O. M., Grand Junction. Grapes.	122
15. Orr, Robt. A., Grand Junction. Grapes.	122
16. Rockafellow, B. F., Cañon City. Grapes.	122
17. Ross, Mrs. Ruth, Cañon City. Grapes.	122
18. Trout, W. H., Cañon City. Grapes.	122
19. Wade, Samuel, Paonia. Grapes.	122

## GROUP 21.

20. Ackerman, Jas., Boulder. Fruits.	133
21. Anderson, J. M., Boulder. Fruits.	133
22. Ault, W., Paonia. Fruits.	133
23. Baldwin, Geo. O., Cañon City. Fruits.	133
23a. Barnes, Chas. A., Denver. Fruits.	133
24. Bergen, W. H., Grand Junction. Fruits.	133
25. Bird, H. W., Denver. Fruits.	136
26. Blair, E., Grand Junction. Fruits.	133
27. Bonegardener, Wm., Grand Junction. Fruits.	133
29. Boulder County Horticultural Society, Boulder. Fruits.	133

Exhibit No.	Class'n No.
30. Brown, H. R., Denver. Fruits.	136
31. Bruce, A. R., Paonia. Fruits.	133
32. Butters Canning Company, Denver. Jellies.	141
33. Caswell, J., Grand Junction. Fruits.	133
34. Church, O. W., Montrose. Fruits.	133
35. Coffman, W. H., Whitewater. Fruits.	133
36. Colorado State Bureau of Horticulture, Denver. Fruits.	133
37. Curtis, H. H., Littleton. Fruits.	133
38. Delta County Horticultural Society, Paonia. Fruits.	133
39. Denver Fruit Growers' Ass'n, Denver. Fruits.	133
40. Dillon, B., Montrose. Fruits.	133
41. Dunfee, J. D., Cañon City. Fruits.	133
42. Edson, Mrs. M. D., Pueblo. Fruits.	133
43. Fleming, J. D., Pleasant Valley. Fruits.	133
44. Foss, M. D., Pueblo. Fruits.	133
45. Frady, J. H., Hotchkiss. Fruits.	133
46. Fremont County Horticultural Society, Fremont. Fruits.	133
47. Frost, G. A., Montrose. Fruits.	133
48. Garbutt, H. I., Fort Collins. Fruits.	133
49. Goss, J. W., Hygiene. Fruits.	133
50. Haden, A. C., Pueblo. Fruits.	133
51. Heath, H. T., Montrose. Fruits.	133
52. Helm, W. A., Cañon City. Fruits.	133
53. Hoag, A. N., Fort Collins. Fruits.	133
54. Johnson, Dan H., Fruita. Fruits.	133
55. Kohler, Henry, Delta. Fruits.	133
56. Kuner Pickle Company, Denver. Table luxuries.	133
57. Lane, S. G., Fruita. Fruits.	133
58. Larimer County Horticultural Society, Fort Collins. Fruits.	133
59. McClelland, J. S., Fort Collins. Fruits.	133
60. McGinty, J. B., Hotchkiss. Fruits.	133
61. McIntosh, R. G., Boulder. Fruits.	133
62. McRay, G. F., Cañon City. Fruits.	133
63. Mesa County Horticultural Society, Grand Junction. Fruits.	133

Pomology, Manufactured Products, Methods and Appliances, Arboriculture.

Exhibit No.	Class'n No.
64. Montrose County Horticultural Society, Montrose. Fruits.	133
65. Nelson, R. B., Eaton. Fruits.	133
66. Nye, S. H., Montrose. Fruits.	133
67. Osborn, W. B., Loveland. Fruits.	136
68. Otero County Horticultural Society, Rocky Ford. Fruits.	133
69. Overbay, W. H., Delta. Fruits.	133
70. Peninston, J. R., Whitewater. Fruits.	133
71. Pierce, John, Beaver Creek. Fruits.	133
72. Prescott, Thomas, Cañon City. Fruits.	133
73. Pueblo District Horticultural Association, Pueblo. Fruits.	133
74. Rhone, H. R., Grand Junction. Fruits.	133
75. Rice, P. A., Grand Junction. Fruits.	133
76. Robinson, Lyman, Cañon City. Fruits.	138
77. Rose Bros. & Hughes, Fruita. Fruits.	133
78. Ross Bros., Montrose. Fruits.	133
79. Scott, W. L., Fort Collins. Fruits.	138
80. Shepard, Wm., Paonia. Fruits.	133
81. Shopshire, R. W., Whitewater. Fruits.	133
82. Smith Bros., Grand Junction. Fruits.	133
83. Smith, G. W., Denver. Fruits.	136
84. Smith, J. A., Cañon City. Fruits.	133
85. Spear, G. J., Greeley. Fruits.	133
86. Sporr, A. J., Delta. Fruits.	133
87. Standish, O. F., Hotchkiss. Fruits.	133
88. Stark Bros., Littleton. Fruits.	133

Exhibit No.	Class'n No.
89. State of Colorado, Denver. Fruits in wax.	138
90. Stephens, David, Paonia. Fruits.	133
91. Swink, G. W., Rocky Ford. Fruits.	133
92. Taft, Louis B., Fort Collins. Fruits.	133
93. Wade, B. F., Paonia. Fruits.	133
94. Waters, Chas., Grand Junction. Fruits.	133
95. Watrous, W. F., Fort Collins. Fruits.	133
96. Wells, F. S., Cañon City. Fruits.	133
97. Weston, Eugene, Cañon City. Fruits.	133
98. Wilmore, W. W., Denver. Fruits.	136
99. Wolfe, Albert, Denver. Fruits.	136
100. Wurtz, H. G., Grand Junction. Fruits.	133

GROUP 25.

(The exhibits in this group are located in the Nursery Grounds.)

101. Blackman & Penrose, Whitewater. Fruit trees.	186
102. Coburn, W. S., Paonia. Fruit trees.	186
103. Crowley, J. H., Rocky Ford. Fruit trees.	186
104. DeWeese, Dall, Cañon City.	
a Fruit trees.	186
b Nursery stock.	187
105. Pennock, Chas. E., Fort Collins.	
a Fruit trees.	186
b Nursery stock.	187

## IDAHO.

LOCATION—N. W. CURTAIN, A-B-51 to 55 AND N. PAVILION, R-71.

Viticulture, Pomology, Manufactured Products, Methods and Appliances.

## GROUP 20.

Exhibit No.	Class'n No.
1. Plowhead, Jacob, Middleton.	Grapes. 122
1a. Schleicher, Robert, Lewiston.	Grapes. 122
2. Stevenson, E. A., Boise City.	Grapes. 122

## GROUP 21.

3. Adams, G. W., Mann's Creek.	Fruits. 133
4. Aiken, Thomas, Boise City.	Fruits. 140
5. Allen, Levi, Salubria.	Fruits. 133
5a. Armstrong, James, Lewiston.	Fruits. 133
6. Badley, D. B., Caldwell.	Fruits. 140
7. Blessinger, A. A., Star.	Fruits. 140
8. Boulding, Mr., Leland.	Fruits. 133
9. Brown, Chas., Horse Shoe Bend.	Fruits. 140
10. Brown, Jonas, Boise City.	Fruits. 140
11. Brown, R., Browlse.	Fruits. 133
12. Brownwell, Richard, Boise City.	Fruits. 133
13. Brunzel, Fred., Onyhee.	Fruits. 133
14. Bryan, Wm., Boise City.	Prunes. 133
15. Bubb, Wm., Boise City.	Fruits. 133
15a. Carlton, Mrs. L., Kendrick.	Preserved fruits. 140
16. Childs, Wm., Boise City.	Nuts. 137
16a. Church Bros., Genesee.	Fruits. 133
17. Cobb, J. N., Weiser.	Fruits. 133
17a. Cooper, F. S., Lewiston.	Fruits. 133
18. Costin, I. N., Boise City.	a Fruits. 133 b Preserved fruits. 140
19. Cox, S. H., Boise City.	Fruits. 140
20. Curtis, Gen., Boise City.	Fruits. 133
21. Daggett, Monroe, St. Maries.	Fruits. 133
22. Daly, Ike, Boise City.	a Apples. 133 b Preserved fruits. 140
23. Davis, Thomas, Boise City.	Fruits. 133
23a. Delsol, L. & A., Lewiston.	Fruits. 133
24. Door, Absalom, Boise City.	Fruits. 136
24a. Dorr, Mrs. E., Lewiston.	Preserved fruit. 140

Exhibit No.	Class'n No.
25. Downs, J. C., St. Maries.	Fruits. 133
26. Eagan, Mrs. E. S., Oakley.	Fruits. 133
26a. Edmanson, W. P., Leland.	Fruit. 133
27. Ellis, G. D., Boise City.	Fruits. 140
28. Ethell, Tuck, Mountain Home.	Fruits. 133
29. Evans, John, Lewiston.	Fruits. 133
30. Fenderson, Wm., Lewiston.	Nuts. 137
31. Flanagan, James, Boise City.	a Fruits. 133 b Preserved fruits. 140
32. Foot, S. S., Middleton.	a Fruits. 133 b Preserved fruits. 140
33. Fordyce, W. H., Lewiston.	Fruits. 133
34. Frank, A., Boise City.	Peaches. 133
35. Frank, C., Boise City.	Fruits. 133
36. Frank, C. H., Boise City.	Fruits. 140
37. Frost, George, Lewiston.	Fruits. 133
38. Garby, C., Leland.	Fruits. 133
39. Gay, Mrs. Eugene, St. Maries.	Fruits. 133
40. Glorin, Mrs. Finely, Boise City.	Fruits. 133
41. Goodwin, M. H., Boise City.	a Fruits. 133 b Preserved fruits. 140
42. Grandholm, Fred., Boise City.	Fruits. 133
43. Groon, John, Middleton.	Fruits. 140
44. Groon, John, Star.	Fruits. 133
45. Hannah, V. D., Weiser.	a Fruits. 133 b Small fruits. 136
46. Hart, I. M., Weiser.	Fruits. 133
47. Hartinger, J. A., Leland.	Fruits. 133
48. Hartley, W. H., Mann's Creek.	Fruits. 133
49. Heitfield, Henry, Uniontown.	Fruits. 136
50. Heppler, John, Cameron.	Fruits. 133
51. Hill, George, Mountain Home.	Fruits. 133
52. Himrod, Chas., Boise City.	Fruits. 133
53. Holcomb, Chas., Boise City.	a Fruits. 133 b Preserved fruits. 140

## Pomology. Manufactured Products, Methods and Appliances.

Exhibit No.	Class'n No.
54. Holt, F., Lewiston. Fruits.	133
54a. Howe, H. P., Lewiston. Fruits.	133
55. Ireton, Mrs. John, Marsh. Fruits.	133
56. Jacobs, Mrs. C., Boise City. Fruits.	140
57. Jones, Wm., Roy Creek. Fruits.	133
58. Joslin, C. M., Mann's Creek. Fruits.	133
59. Keithley, Levi, Middle Valley. Fruits.	133
60. Kelly, M. A., Lewiston. Fruits.	133
60a. King, James, Sr., Cameron. Apples.	133
61. Kittenbach, W. F., Lewiston. Fruits.	133
61a. Kaitinger, Fred., Lewiston. Fruits.	133
62. Krall, John, Boise City. Fruits.	133
62a. La Bale, F., Leland. Apples.	133
63. Lausden, L., Mann's Creek. Fruits.	133
64. Leigh, Mrs., Boise City. Fruits.	133
65. Lemp, John, Boise City.	133
a Plums.	133
b Fruits.	140
66. Lindsay, Tilford, Indian Valley. Fruits.	133
67. Little, George, Caldwell. Nuts.	137
68. Maynard, John, Boise City. Fruits.	138
69. McCarty, Mrs. M., Boise City.	133
a Fruits.	133
b Preserved fruit.	140
70. McClelland, John, Boise City. Fruits.	133
71. McConnell, D. K., Boise City. Fruits.	133
72. McDonald, F. H., Boise City. Nuts.	137
73. McDonald, F. H., Star. Fruits.	140
74. McDowell, Samuel, Star.	133
a Fruits.	133
b Preserved fruits.	140
75. McGinniss, R. F., Boise City. Fruits.	140
76. Michael, D., Mann's Creek. Fruits.	133
77. Miller, Julius, Boise City. Fruits.	133
78. Moore, Mrs. C. W., Boise City. Fruits.	133
78a. Morris, Dr. J. B., Lewiston. Pears.	138
79. Neisbitt, Peter, Middleton. Plums.	133
80. Nicholls, James K., Caldwell. Fruits.	140
81. Nye, W. H., Boise City. Fruits.	133
82. O'Farrell, John, Boise City. Fruits.	140

Exhibit No.	Class'n No.
83. Parker, Mark, Weiser. Fruits.	133
84. Paynton, Mrs. Chas., Boise City. Fruits.	140
85. Peacott, Jos., Boise City. Fruits.	138
86. Pence, John, Boise City. Fruits.	133
87. Phillips, J. H., Salubria. Fruits.	138
88. Plowhead, Jacob, Middleton.	133
a Plums.	133
b Fruits.	140
88a. Porter, L. A., Lewiston. Peaches.	133
89. Potter, L. D., Caldwell. Fruits.	138
90. Powell, C. O., Challis. Fruits.	133
91. Preston, Jos., Mann's Creek. Fruits.	133
92. Randal, Wm., Boise City. Peaches.	133
93. Redway, K. G., Boise City. Fruits.	140
94. Redway, Mrs., Boise City. Fruits.	140
95. Robinson, Mr., Boise City. Fruit.	140
96. Rynearson, W. S., Indian Valley. Fruits.	133
97. Saling, John, Mann's Creek. Fruits.	133
98. Sampson, Mr., Genesee. Fruits.	133
99. Sater Bros., Mann's Creek. Fruits.	133
100. Scott, Mrs. F. G., St. Maries. Fruits.	133
101. Shannon, F., Mann's Creek. Fruits.	133
102. Sherman, Robt., Boise City. Fruits.	133
103. Silcott, John, Lewiston. Fruits.	133
104. Southwick, S. R., Southwick. Fruits.	133
105. Spaulding, Mrs. M. L., Boise City. Fruits.	133
106. Stanahan, C. T., Lewiston. Fruits.	133
106a. Stanahan, Mrs. C. T., Lewiston. Preserved fruit.	140
107. State of Idaho, Boise City. Fruits.	133
108. Tailor, L. M., Mann's Creek. Fruits.	133
109. Thomas, A. T., Boise City.	133
a Fruits.	133
b Preserved fruits.	140
110. Tracey, G. H., Weiser. Fruits.	133
111. Tyner, I. L., Boise City.	138
a Fruits.	138
b Preserved fruits.	140
112. Utiley, E. E., Mann's Creek. Fruits.	138
113. Veronn, John, Lewiston. Fruits.	138

## Pomology, Culinary Vegetables.

Exhibit No.	Class'n No.
113a. Vollmer, Mrs. J. P., Lewiston. Preserved fruit.	140
114. Walling, J. B., Boise City. Fruits.	133
115. Warrens, James, Asotin. Fruits.	133
116. Webb, D. W., Mann's Creek. Fruits.	133
116a. Welker, Mrs. Paul, Leland. Cherries.	133
116b. Wessels, Ferd, Cameron. Pears.	133
116c. Wessels, M. J., Lewiston. Peaches.	133
116d. Wessels, Mrs. M. J., Lewiston. Preserved fruit.	140
117. Wheatcroft, Mr., Lewiston. Fruits.	133

Exhibit No.	Class'n No.
118. Wilson, Mrs., Albert, Payette. Fruits.	133
119. Wilson, Robt., Boise City. a Fruits.	133
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120. Winkles, Geo. F., Council Valley. Fruits.	133
121. Wood, Mrs., Challis. Fruits.	133
122. Worthington, Cut, Oakley. Fruits.	133
123. Worthington, P., Oakley. Fruits.	133
124. Yearian, A. S., Boise City. Fruits.	133
125. York, Mrs., Salubria. Fruits.	133

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## ILLINOIS.

LOCATION S. W. CURTAIN, A-B-23 to 30.

## Viticulture, Pomology, Manufactured Products, Methods and Appliances.

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Exhibit No.	Class'n No.
1. Furman, E. S., El Paso. a Grapes for the table.	122
b Grapes for wine making.	123
1a. Worthen, A. H., Warsaw. Grapes.	122

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a. Aldrich, H. A., Neoga. Fruits.	133
b. Auer, Jacob, Deer Plain. Fruits.	133
4. Austin, A. B., Downer's Grove. Fruits.	133
5. Austin, C. E., Effingham. Fruits.	133
6. Baldwin, M. D., Jacksonville. Fruits.	133
7. Barnard, O. B., Mantino. Fruits.	133
8. Barter, Win., Attila. Fruits.	133
9. Baxter, E., Nauvoo. Fruits.	133
10. Bear, L. N., Mt. Vernon. Fruits.	133
11. Berry, R. C., Batchtown. Fruits.	133
12. Bone, F. E., Tallula. Nuts.	137
13. Brown, H. D., Hamilton. Fruits.	133
14. Brown, J. S., Alton. Fruits.	133
15. Brumback, David, Danforth. a Pomaceous and stone fruits.	133
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16. Bryant, A., Princeton. Fruits.	133
17. Bryant, L. R., Princeton. Fruits.	133

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18. Buckman, Benj., Farmingdale. Fruits.	133
19. Buli, J. C., Girard. Fruits.	133
19a. Cadwell, W. E., Griggsville. Fruits.	133
20. Cain, J. W., Effingham. Fruits.	133
21. Carbin, Eli, Carbon Cliff. Fruits.	133
22. Cart, J. J., Morrisonville. Fruits.	133
24. Chester, T. P., Champaign. a Pomaceous and stone fruits.	133
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25. Cook, G. W. E., Lacon. Fruits.	133
26. Cope, A., Tonti. Fruits.	133
27. Cotta, J. V., Nursery. Fruits.	133
28. Crain, W. R., Villa Ridge. Fruits.	133
29. Crammer, E. C., Fairfield. Fruits.	133
30. Curtee, Clyde, Pamacoa. Fruits.	133
31. Dewe, John, Kankakee. Fruits.	133
32. Doan, H. L., Jacksonville. Fruits.	133
33. Dunlap, A. J., Dunlap. Fruits.	133
34. Dunlap, H. M., Savoy. Fruits.	133
35. Dunlap, R. L., Savoy. Fruits.	133
36. Dyer, W. S., Springfield. Fruits.	133
37. Edmonds, H. P., Taylor. a Apples.	133
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## Pomology, Manufactured Products, Floriculture.

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32. Falin, Jas., Villa Ridge. Fruits.	193
40. Freeman, D. H., Metropolis. Fruits.	188
41. Fry, R. T., Olney. Fruits.	133
42. Fuller, J. W., Anna. Fruits.	133
43. Fursman, E. S., El Paso. Nuts.	137
44. Goodrich, S., Urbana. Fruits.	133
45. Goodrich, T. E., Cobden. Fruits.	133
46. Gould, W. E., Villa Ridge. Fruits.	133
47. Graves, E. W., Sandwich. Fruits.	133
48. Gray, D. H., Elmwood. Fruits.	133
49. Hammond, A. C., Warsaw. Fruits.	133
50. Hammond, M. S., Warsaw. Fruits.	133
51. Hanna, R. P., Fairfield. Fruits.	133
52. Harrison, Jay, Flora. Fruits.	133
53. Hartman, C. F., Nashville. Fruits.	133
54. Hartwell, J. L., Dixon. Fruits.	133
55. Hasser, Henry, Franklin Grove. Fruits.	133
56. Helms, F., Belleville. Fruits.	133
57. Helms & Ripley, Belleville. a Pomaceous and stone fruits.	133
b Nuts.	137
58. Henke, Ludwig, Collinsville. Fruits.	133
59. Hessler, W. P., Cobden. Fruits.	133
60. Hill, D., Dundee. Fruits.	133
61. Hinkley, A. H., Du Bois. Fruits.	133
62. Holmes, Oliver, Fairfield. Fruits.	133
63. Hooker, M. A., McLeansboro. a Pears, apples, etc.	133
b Nuts in variety.	137
64. Haber, T., Illinois City. Fruits.	133
65. Irish, H. P., Farina. Fruits.	133
66. Johnson, J. T., Warsaw. Fruits.	133
67. Johnston, H., Villa Ridge. Fruits.	133
69. Jones, J. W., Lincoln. Pomaceous and stone fruits.	133
69a. Jones, W. E., Lincoln. Fruits.	133
70. Kimmel, W. G., Jonesboro. a Pomaceous and stone fruits.	133
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71. La Rosh, S. D., Pekin. a Pomaceous and stone fruits.	133
b Fruits in alcohol.	140
72. Leeper, T. F., Lima. Fruits.	133
73. Mann, F. I., Gilmore. Fruits.	133
74. Massac Co. Fruit Growers' Ass'n, Metropolis. a Pomaceous and stone fruits.	133
b Nuts.	137
75. Matthews, J. B., Marissa. Fruits.	133
76. McCaffery, J., Cobden. Fruits.	133
77. McCluer, G. W., Champaign. Fruits.	133
78. McKinstry, John, Dixon. Fruits.	133
79. McSpadden, J. Z., Neoga. Fruits.	133
80. Mendenhall, E. G., Kimmunity. Fruits.	133
81. Morris, John, Fairfield. Fruits.	133
82. Meyer, John E., Dixon. Fruits.	133

Exhibit No.	Class'n No.
83. Neepser, A., Kimmunity. a Fruits.	133
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85. Norris, W. A., Vernon. Fruits.	133
86. Orr, A. W., Ottawa. Fruits.	133
87. Perrine, C. M., Fairfield. Fruits.	133
88. Perrine, W. S., Centralia. Fruits.	133
89. Perry, Richard, Griggsville. Fruits.	133
90. Perry, Wm., Milton. Fruits.	133
91. Piper, D. J., Forrester. Fruits.	133
92. Powell, C. R., Sterling. Fruits.	133
93. Prescott, C. H., Marengo. Fruits.	133
94. Prindell, D. W., Villa Ridge. Fruits.	133
95. Ralston, J. A., Farmingdale. Fruits.	133
96. Rice, A., Rockford. Fruits.	133
97. Riehl, E. A., Alton. Fruits.	133
98. Ross, W. S., Alma. Fruits.	133
99. Russell, A. E., Shattuc. Nuts.	137
100. Ryder, A. B., Fairfield. Fruits.	133
101. Seiler, J. E., Mt. Carmel. a Pears, apples, peaches, plums.	133
b Nuts.	137
102. Sibley, C. W., Pana. a Fruits.	133
b Nuts.	137
103. Smith, H. C., Tolono. Fruits.	133
104. Smith, J. S., Champaign. Fruits.	133
105. Spaulding, J. B., Spaulding. Fruits.	133
106. Spencer, N. W., Centralia. Fruits.	133
107. Stevens, G. V., Warsaw. Fruits.	133
108. Stewart A., Champaign. Fruits.	133
109. Stewart, E., Hamilton. Fruits.	133
110. Stinbler, Phil., Naperville. Fruits.	133
111. Stoddard, S. R., Effingham. Fruits.	133
112. Upton, John, Springfield. Fruits.	133
113. Vickroy, H. K., Normal. Fruits.	133
114. Voies, T. D., Neoga. Fruits.	133
115. Wallner, J. T., Neoga. Fruits.	133
116. Warfield, B. C., Sandoval. Fruits.	133
117. Watson, E. B., Waverly. Fruits.	133
118. Webster, C. H., Centralia. Fruits.	133
119. Weedman, T. S., Farmer City. a Pears, apples, peaches.	133
b Nuts.	137
120. Wells, G. C., Farina. Fruits.	133
121. Wilson, A. C., Batchtown. Fruits.	133
122. Wilson, C. C., Fairfield. Fruits.	133
123. Wilson, J. C., Olney. Fruits.	133
124. Whiting, H. A., Franklin Grove. Fruits.	133
125. Winn, C. G., Griggsville. Fruits.	133
126. Woodward, L., Marengo. Fruits.	133
127. Worthen, G. B., Warsaw. Fruits.	133
128. Wright, W. B., Effingham. Fruits.	133
129. Youngs, David, Carmi. Fruits.	133
130. Zook, J. L., Olney. Fruits.	133

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131. Edmonds, H. P., Taylor. Ferns.	160
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## Culinary Vegetables, Arhoriculture.

Exhibit No.	GROUP 28.	Class'n No.	Exhibit No.	Class'n No.	
132.	Anderson, Mollie, Taylor. Beans. Dept. A	172	148.	Johns, Wm., Rockford. Miscellaneous vegetables.	175
133.	Banscher, Louis, Freeport. Miscellaneous vegetables.	175	149.	Kimmel, W. G., Jonesboro. a Cucumbers, okra, melons, b Miscellaneous. c Rhubarb, asparagus.	172 175 174
134.	Beck, Antoinet. a Beans and peas. b Turnips, carrots. c Cabbage.	Dept. A 172 173 174	150.	Knox County Agricultural Board, Knoxville. a Beets, turnips, potatoes. b Cabbage.	Board, 173 174
135.	Brumback, David, Danforth. a Beans, tomatoes, cucumbers, etc. b Beets, turnips. c Cabbage. d Miscellaneous.	172 173 174 175	151.	La Rosh, S. D., Pekin. a Beans, peas, tomatoes, etc. b Radicaceous and tubrous vegetables. c Asparagus, cabbage, etc. d Miscellaneous culinary vegetables.	172 173 174 175
136.	Burdick, J. L., Rockford (for Stephenson Co). a Tomatoes, cucumbers, melons. b Radishes. c Cabbage. d Miscellaneous.	172 173 174 175	152.	Massac County Fruit Growers' Ass'n, Metropolis. a Beans, peas, peppers. b Beets, turnips, potatoes, etc. c Miscellaneous. Dept. A	172 173 175
137.	Burdick, W. A., Winnebago. a Squashes, pumpkins, melons, etc. b Radishes. c Asparagus, rhubarb, cabbage. d Miscellaneous.	172 173 174 175	153.	McHenry, J. W., Carmi. Beans, peas, etc. Dept. A	172 172
138.	Butler, J. J., Elvaston. Beans, peas, etc. Dept. A	172	154.	Nash, J. E., Princeton. Beans, cucumbers, squashes, etc.	172
139.	Chester, T. P., Champaign. a Beans, peas, tomatoes, etc. b Beets, turnips, potatoes, etc. c Cabbage, lettuce. d Miscellaneous.	172 173 174 175	155.	Neepor, A., Kimmundy. Beans, peas, etc. Dept. A	172
140.	Clark, Mrs., Dayesville. a Potatoes. b Carrots.	Dept. A 172 173	156.	Russell, A. E., Shattuc. a Beans, peas, peppers. b Beets, turnips, potatoes. c Miscellaneous.	172 173 175
141.	Edmonds, H. P., Taylor. a Beans, peas, squashes, etc. b Turnips, potatoes, carrots, beets. c Miscellaneous.	172 173 175	157.	Sawyer, W. J., Belvidere. Potatoes.	172
142.	Ernst, A., & Co., Farmingdale. a Peas and beans. b Miscellaneous vegetables.	172 173	158.	Seiler, J. E., Mt. Carmel. a Squashes, pumpkins. b Cabbage, etc. c Miscellaneous.	172 174 175
143.	Fursman, E. S., El Paso. a Tomatoes, melons, etc. b Beets, radishes. c Asparagus.	172 173 174	159.	Shedden, Robert, Pingree Grove. Beans and peas. Dept. A	172
144.	Hay, Leon, Kankakee. a Cucumbers, pumpkins, melons. b Turnips, beets. c Miscellaneous.	172 173 175	160.	Sibley, C. W., Pana. a Beans, cucumbers, etc. b Beets, radishes. c Miscellaneous.	172 173 175
145.	Helms & Ripley, Belleville. a Beans, peas, tomatoes, etc. b Beets, turnips, potatoes. c Miscellaneous.	172 173 175	161.	University of Illinois, Champaign. a Beans, peas, peppers, etc. b Beets, turnips, carrots, potatoes. c Miscellaneous.	172 173 175
146.	Hodge, W. H., Morris. Beans, peas, peppers, etc.	172	162.	Van Bel, Adam, Peoria. a Peas, beans, cucumbers. b Miscellaneous vegetables.	172 175
147.	Hooker, M. A., McLeansboro. a Beans, peas, peppers, etc. b Beets, turnips, potatoes, etc. c Miscellaneous.	Dept. A 172 173 175	163.	Weedman, T. S., Farmer City. a Beans, peas, tomatoes. b Radishes. c Cabbage, rhubarb. d Miscellaneous.	172 173 174 175
				GROUP 29.	
			164.	Howley, Mary A., Dixon, Ill. Apparatus for applying insecticides.	175

## IOWA.

LOCATION—S. W. CURTAIN, D-26 to 30.

Pomology, Seeds, Seed Raising.

## GROUP 21.

Exhibit No.	Class'n No.
1. Collman, A. F., Corning. Fruits.	133
2. Gaylord, Edson, Nora Springs. Fruits.	133
3. Heisz, E. R., Nora Springs. Fruits.	133
4. Patten, C. G., Charles City. Fruits.	133

Exhibit No.	Class'n No.
5. Steinman, C., Mapleton. Fruits.	133

## GROUP 24.

6. Clute, L. G., Manchester. Field, flower and garden seeds.	180
7. White, F. S., Des Moines. Cane seed and flax seeds.	180

## KENTUCKY.

LOCATION—N. W. CURTAIN, C-57 AND NURSERY.

Viticulture, Manufactured Products, Methods and Appliances.

## GROUP 20.

Exhibit No.	Class'n No.
1. Barber, Thomas K., Pewee Valley. Grapes.	122
2. Baraat, L. A., Brownsborough. Grapes.	122
3. Campbell, Robert, Beard. Grapes.	122
4. Cian, A. E., Pewee Valley. Grapes.	122
5. Claxton, J. R., Worthington. Grapes.	122
6. Crump, D. M., Beard. Grapes.	122
7. Earvirt, Henry, Worthington. Grapes.	122
8. Goins, John, Worthington. Grapes.	122
9. Gowing, Jacob, Pewee Valley. Grapes.	122
10. Gowing, Lemuel, Pewee Valley. Grapes.	122
11. Harding, A. V., Worthington. Grapes.	122
12. Head, J. M., La Grange. Grapes.	122
13. Hite, Thos., Worthington. Grapes.	122
14. Hudson, F. H., Worthington. Grapes.	122

Exhibit No.	Class'n No.
15. Jungbluth, Karl, Beard. Grapes.	122
16. Kemp, W. J., Brownsborough. Grapes.	122
17. McWilliams, J. E., Worthington. Grapes.	122
18. McNamara, H. C., Beard. Grapes.	122
19. Metter, R. L., Buckner. Grapes.	122
20. Milton, J. M., Brownsborough. Grapes.	122
21. Mount, Joseph R., La Grange. Grapes.	122
22. Reddish, D. H., Pewee Valley. Grapes.	122
23. Sincoc, Wayne, Lakeland. Grapes.	122
24. Speer, J. H., Brownsborough. Grapes.	122
25. Williams, P. G., Worthington. Grapes.	122
26. Yager, E. T., La Grange. Grapes.	122

## Pomology, Manufactured Products, Methods and Appliances.

## GROUP 21.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
27. Alexander, J. D., Bowling Green.	133	65. Hawes, J. C., Fern Creek.	Fruits. 133
28. Ash, Thos., Hodgenville.	Fruits. 133	66. Hess, I. H., Columbus.	Fruits. 133
29. Ashby, William, Milton.	Fruits. 133	68. Hite, Thos., Worthington.	Pomaceous fruits. 133
30. Barrell, S. F., Brooks.	Fruits. 133	68a. Holmes, T. A., Bedford.	Fruits. 133
31. Barton, Trueman, Columbus.	Fruits. 133	69. Hubbard, John, Hodgenville.	Fruits. 133
32. Bectal, Henry, Barrallton.	Fruits. 133	70. Johnson, D. M., Clinton.	Fruits, etc. 133
33. Beeler, I. D., Hardinsburg.	Fruits, etc. 133	71. Johnson, M. G., Fern Creek.	Fruits, etc. 133
34. Berry, E. M., East View.	Fruits. 133	72. Jungbluth, Karl, Beard.	Pomaceous fruits. 133
35. Bodkins, Dan'l, Sr., Bardwell.	Fruits. 133	73. Kendle, Geo. T., Crutchfield.	Fruits, etc. 133
36. Bodkins, Isaac, Bardwell.	Fruits. 133	74. Lewis, J. C., Tip-Top.	Fruits. 133
37. Bohlen, John L., Elizabethtown.	Fruits. 133	75. Logan, C. K., Bedford.	Fruits. 133
38. Brashers, W. C., Bowling Green.	Fruits. 133	76. Lovelace, I. H., Bardwell.	Fruits. 133
39. Bursat, L. A., Brownsborough.	Pomaceous fruits. 133	77. Lynch, Joseph, Bedford.	Fruits. 133
40. Butler, Jas., Milton.	Fruits. 133	78. Moon, Jas. L., Mt. Pleasant.	Fruits. 133
41. Campbell, Jas. H., Mt. Pleasant.	Fruits. 133	79. Moseley, W. H., Bedford.	Fruits. 133
42. Campbell, Thos. W., Clinton.	Fruits, etc. 133	80. Neeley, J. W., Wingo.	Fruits. 133
43. Coffin, Hiram, Milton.	Fruits. 133	81. Nichols, Lem. W., Cupio.	Fruits. 133
44. Collins, Alphonso, Fulton.	Fruits. 133	82. Ogden, Joseph, Mt. Pleasant.	Fruits. 133
45. Cook, W. C., Bowling Green.	Fruits. 133	83. Overall, Asa, Cox's Creek.	Fruits. 133
46. Downer, F. M., Bowling Green.	Fruits. 133	84. Paine, John, Fulton.	Fruits. 133
47. Dulaney, W. L., Bowling Green.	Fruits. 133	85. Payne, J. J., Warsaw.	Fruits. 133
48. Duncan, S., Milton.	Fruits. 133	86. Peck, D. C., Milton.	Fruits. 133
49. Elsey, Aaron, Bardwell.	Fruits. 133	87. Quick, J. E., Brooks.	Fruits. 133
50. Eskew, W. S., Cox's Creek.	Fruits. 133	88. Reiley, G. W., Flemingsburg.	Fruits. 133
51. Farnsley, A. P., Louisville.	Fruits. 133	89. Rice, Sam'l H., Clinton.	Fruits, etc. 133
52. Freeman, L. A., Ekron.	Fruits. 133	90. Richardson, Gus. W., Ekron.	Fruits. 133
53. Funk, A. E., Brooks.	Fruits. 133	91. Ryan, Wm., Jeffersontown.	Fruits, etc. 133
54. Garr, S. L., Anchorage.	Fruits. 133	92. Samuels, Henry, Barrallton.	Fruits. 133
55. George, Henry, Wingo.	Fruits. 133	93. Samuels, J. C., Deatsville.	Fruits. 133
56. Giddings, Robt., Bedford.	Fruits. 133	94. Samuels, W. M., Clinton.	Fruits, etc. 133
57. Goodin, W. H., Hodgenville.	Fruits. 133	95. Seaboldt, John M., Jeffersontown.	Fruits. 133
58. Gowing, Lemuel, Pewee Valley.	Pomaceous fruits. 133	96. Shonston, Mrs. Mary, Elizabethtown.	Fruits. 133
59. Grant, Wm., Cox's Creek.	Fruits. 133	97. Snyder, Jas. O., Milton.	Fruits. 133
60. Griffey, Richard, Moscow.	Fruits. 133	98. Spreln, W. F., Milton.	Fruits. 133
61. Hackett, C. C., Milton.	Fruits. 133	99. Sproat, Thomas, Columbus.	Fruits. 133
62. Haginbuck, I., Elizabethtown.	Fruits, etc. 133	100. Stallard, L., Woodburn.	Fruits. 133
63. Hancock, J. C., Bedford.	Fruits. 133		
64. Harding, A. V., Worthington.	Pomaceous fruits. 133		

## Pomology, Manufactured Products, Methods and Appliances, Arboriculture.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
101. Strong, James, Fern Creek. Fruits.	133	109. Webb, A. D., Bowling Green. Fruits.	133
102. Sweeney, Edwin, Jeffersontown. Fruits.	133	110. Wells, H. K., Millwood. Fruits.	133
103. Talbott, David L., Elizabethtown. Fruits.	133	111. Withers, D. B., Muldraugh. Fruits.	133
104. Talbott, Jas. L., Elizabethtown. Fruits.	133	112. Wynand, John, Jeffersontown. Fruits.	133
105. Taylor, William F., Columbus. Fruits.	133	<b>GROUP 25.</b>	
106. Trout, A. J., Milton. Fruits.	133	113. Samuels, W. M., Clinton.	
107. Trout, J. A., Bedford. Fruits.	133	a Ornamental trees, etc.	185
108. Voires, Burr H., Mt. Pleasant. Fruits.	133	b Fruit trees.	186
		c Nursery trade, etc.	187

## MINNESOTA.

## LOCATION—S. W. CURTAIN.

## Viticulture, Pomology, Manufactured Products, Methods and Appliances.

<b>GROUP 20.</b>		Exhibit No.	Class'n No.
1. Crane, H. L., Excelsior. Grapes.	D-23-25 122	14. Day, L. E., Farmington. Apples.	D-23-25 133
2. Cutts, E. J., Howard. Grapes.	D-23-25 122	15. Elder, C. E., Luverne. Apples.	D-23-25 133
3. Green, Prof. S. B., St. Anthony Park. Grapes.	D-23-25 122	16. Erwin, Mrs. S., Excelsior. Apples.	D-23-25 133
4. Modlin, O. H., Excelsior. Grapes.	D-23-25 122	17. Frenn, P. J., Red Wing. Apples.	D-23-25 133
<b>GROUP 21.</b>		18. Gordon, Mrs. C. W., Long Lake. Apples.	D-23-25 133
5. Ames, E. D., Lyle. Apples.	D-23-25 133	19. Heidman, C. W. H., New Ulm. Apples.	D-23-25 133
6. Barton, Mrs. Isabel, Excelsior. Plums.	D-23-25 133	20. Jenks, W. R. L., Alexandria. Apples.	D-23-25 133
7. Boss, J. G., Hamline. Plums.	D-23-25 133	21. Kapheide, R. K., St. Paul. Plums.	D-23-25 133
8. Brand, C. F., Faribault. Apples.	D-23-25 133	22. Kennedy, Mrs. A. A., Hutchinson. Apples and plums.	D-23-25 133
9. Cook, Demain, Windom. Apples and plums.	D-23-25 133	23. Kiel, R. C., Rochester. Apples.	D-23-25 133
10. Corp, Sidney, Hammond. Cranberries.	D-23-25 136	24. Klein, Jacob, Caledonia. Apples.	D-23-25 133
11. Cummings, J. R., Eden Prairie. Apples.	D-23-25 133	25. Knudson, H., Springfield. Plums.	D-23-25 133
12. Dartt, E. H. S., Owatonna. Chestnuts.	D-23-25 133	26. Latham, A. W., Excelsior. Apples.	D-23-25 133
13. Day, Ditas, Farmington. Apples.	D-23-25 133	27. Lyman, H. M., Excelsior. Apples.	D-23-25 133

## Pomology, Manufactured Products, Methods and Appliances.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
28. Michener, D. R., Etna.	Apples. 133	37. Somerville, Wm., Viola.	Apples. 133
29. Miller, Geo., Richland.	Apples. 133		D-23-25 133
30. Modlin, O. H., Excelsior.	Peaches. 133	38. Spaulding, Z. D., Excelsior.	Apples. 133
31. Morgan, C., Forestville.	Apples. 133		D-23-25 133
32. Murray, J. W., Excelsior.	Apples. 133	39. Stoppel, F. J., Rochester.	Plums. 133
33. Oxford, Wm., Freeburg.	Apples. 133		D-23-25 133
34. Pearce, M., Chowen.	Apples. 133	40. Thielman, C., Thielmanton.	Apples. 133
35. Perry, P. H., Excelsior.	Apples. 133		D-23-25 133
36. Peterson, Andrew, Waconia.	Apples. 133	41. Trenm, P. J., Redwing.	Apples. 133
	D-23-25 133		D-23-25 133
		42. Wachlin, Wm., Faribault.	Apples. 133
			D-23-25 133
		43. Wedge, Clarence, Albert Lea.	Apples. 133
			D-23-25 133
		44. Wickersheim, W. J., Idlewild.	Apples. 133
			D-23-25 133
		45. Wymay, S. F., Waseca.	Plums. 133
			D-23-25 133

## MISSOURI.

LOCATION—N. W. CURTAIN, A to E-59 to 62.

## Viticulture, Pomology, Manufactured Products, Methods and Appliances.

## GROUP 20.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Geiger, Lawrence, St. Louis.	Grapes. 122	13. Carpenter, Dan, Carthage.	Gooseberries. 136
1a. Jaeger, Herman, Neosho.	Grapes. 122	14. Cressding, John, Oakville.	Peaches. 133
2. Miller, Henry, Carthage.	Grapes. 122		D-23-25 133
3. Nolpe, Nicol, St. Louis.	Grapes. 122	15. Drecelius, Henry, St. Louis.	Peaches. 133
4. Shepard, Geo. H., Lamont.	Grapes. 122		D-23-25 133
5. Wormbrandt, A., Oakville.	Grapes. 122	15a. Erb, Louis, Cedar Gap.	Apples and pears. 133
		15b. Espenlaub, F. G., Kansas City.	Apples. 133
			D-23-25 133
		16. Evans, J. C., Harlem.	Gooseberries and currants. 136
		17. Evans, Jos. L., St. Louis.	Crabapples. 133
			D-23-25 133
		18. Finn, Perry, Carthage.	Blackberries. 136
			D-23-25 133
		19. Gano, W. G., Parkville.	Pears. 133
		20. Geiger, Joseph, St. Louis.	Gooseberries, currants and raspberries. 136
		21. Geiger, Lawrence, St. Louis.	Cherries, apricots and pears. 133
		21a. George, W. A., Alden.	Peaches. 133
		21b. Gilbert, S. W., Thayer.	Apples. 133
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		22. Goodman, L. A., Westport.	Plums and cherries. 133
			D-23-25 133

## GROUP 21.

6. Ames, J., Carthage.	Gooseberries and raspberries. 136
7. Amsden, L. C., Carthage.	Peaches. 133
8. Andrews, S. J., Lexington.	Cherries. 133
9. Blake, Gilbert, St. Joseph.	Blackberries. 136
10. Blank, Dr., St. Louis.	Plums. 133
10a. Brewster, Geo., Alden.	Apples. 133
11. Brewster, J. W., St. Louis.	Quinces. 133
12a. Beixey, Doc, Alden.	Apples. 133
12b. Burg, Mrs., Oakville.	Plums. 133

## Pomology, Manufactured Products, Methods and Appliances, Culinary Vegetables.

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24. Hearn, J. W., Ferguson. Apricots and nectarines.	133
24a. Higginbotham, M. M., Alden. Apples.	133
25. Ireland, B. R., Harlem. Gooseberries and currants.	136
26. Kibler, A., Carthage. Blackberries.	136
27. Lins, Ocor, St. Louis. Apples.	133
28. Long, E. P., St. Louis. Pears.	133
29. Luther, Wm., Jr., St. Louis. Plums.	133
30. Luther, Wm., Oakville. Peaches.	133
31. Maddinger, Jacob, St. Joseph. Currants and gooseberries.	136
32. Miller, Henry, Carthage. Pears.	133
33. Miller, Samuel, Bluffton. Plums.	133
34. Missouri Botanical Garden, St. Louis. Pears.	133
35. Moro, John, St. Louis. Pears.	133
36. Mueller, Geo., St. Louis. Pears.	133
37. Murry, N. H., Oregon. Cherries.	133
38. Nolke, Peter, Oakville. Nectarines.	133
39. Olden Fruit Co., Olden. Plums and peaches.	133
40. Olden Fruit Co., Olden. Raspberries and blackberries.	136
41. Penn, Farris, St. Louis. Apples.	133
42. Pisper, Wm., Oakville. Pears.	133
42a. Pomona Fruit Co., Alden. Apples and pears.	133
42. Roswag, J. E., St. Louis. Quinces.	133
43. Russell, Z. T., Carthage. Strawberries and raspberries.	136
44. Severs, Aug., Jennings Station. Pears.	133
45. Shepard, Geo. H., Lamont. Apples.	133
46. Sommers, N., St. Joseph. Currants and gooseberries.	136

Exhibit No.	Class'n No.
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48. Standt, Jacob, St. Louis. Pears.	133
49. Stucke, Jacob, St. Louis. Peaches, plums and pears.	133
51. Suter, W. C., Oakville. Plums.	133
52. Theis, Henry, St. Louis. Raspberries.	136
53. Thurman, Dr., Fenton. Plums.	133
54. Weber, J., & Son, St. Louis. Peaches.	133
55. Wilde, J. B., & Bro., Sarcoxie. Strawberries and raspberries.	136
56. Winhien, Wm., Oakville. Pears.	133

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59. Finley, Thos., St. Louis. Tomatoes.	172
60. Geiger, Jno., St. Louis. Turnips.	173
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65. Olden Fruit Co., Olden. Potatoes.	173
66. Phister, Mrs., St. Louis. Beans.	172
67. Schulenberg, Aug., Oakville. Cucumbers.	172
68. Severs, Aug., Jennings Station. a Cucumbers.	172
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69. Stucke, Jacob, St. Louis. a Squash, cantaloupe, beans, corn and peas.	172
b Parsnips and radishes.	173
c Cabbage, asparagus and celery.	174
71. Vantainge, Fred., Oakville. Beans.	172

## NEW MEXICO.

LOCATION—N. W. CURTAIN, D-51 to 53.

Viticulture, Pomology, Manufactured Products, Methods and Appliances.

## GROUP 20.

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1. Badoraca, G., Albuquerque.	
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<i>b</i> Red wine.	127
<i>c</i> Grape brandy.	131
2. Huneing, Louis, Los Lunas County.	
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3. McHenry, C. A., San Juan County.	
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4. Ronault, T., Las Cruces.	
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<i>b</i> Red wine.	127
<i>c</i> Grape brandy.	131
5. Spatzier, N., Las Cruces County.	
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## GROUP 21.

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Exhibit No.	Class'n No.
7. Hunter, W. A., San Juan County.	
Pears in liquid.	140
8. Leonard, W. E., Socorro County.	
Peaches in liquid.	140
9. Marcellino, P. A. Socorro County.	
Grapes in liquid.	140
10. McHenry, C. A., San Juan County.	
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<i>b</i> Small fruits.	126
11. Osbrun, Mrs. J. J., Socorro County.	
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12. Spatzier, N., Las Cruces County.	
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## NEW YORK.

Viticulture, Manufactured Products, Methods and Appliances.

## GROUP 20.

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21. McMath & Morgan, Penn Yan. Grape baskets.	71-L 125
22. New York State Commission, Albany.	
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<i>b</i> Trellis.	Nursery 120
<i>c</i> Literature, history and statistics of viticulture.	Gal. D-9 132
24. Pratt, Seneca L., Penn Yan. Fruit baskets.	71-L 125

Exhibit No.	Class'n No.
25. Rochester Radiator Co., Rochester.	
Wire hook for vines.	Gal. D-9 125
30. Sherman & Brown, North Collins.	
Fruit baskets.	71-L 125
33. Smith, Wing R., Syracuse.	
<i>a</i> Elder-blow wine.	Gal. D-9 126
<i>b</i> Rhubarb wine.	127
34. Snow, G. C., Penn Yan.	
<i>a</i> Grapes for table.	18-B 122
<i>b</i> Grapes for wine-making.	123
36. Thompson, Joseph T., Oneida.	
Rasp- berry wine.	Gal. D-9 127
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<i>a</i> Grape stock.	Gal. D-9 121
<i>b</i> Grafting saw.	125

## Pomology, Manufactured Products, Methods and Appliances.

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39. Wisner, Chas. E., Warwick. Cider brandy.	L-3 181

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41. Ashby, Mrs. Geo., Albion. Fruits.	C-17 133
42. Babcock, S. M., Fulton. Fruits.	C-17 133
43. Barnes, Theodore S., Rhinebeck. Fruits.	C-17 133
44. Barnes, W. D., Middlehope. Fruits.	C-17 133
45. Beckwith, D. S., Albion. Fruits.	C-17 133
46. Boynton, Mrs. C. H., Syracuse. Pears.	C-17 133
47. Bush, C. T., East Kendall. Fruits.	C-17 133
48. Cook, A., Memphis. Fruits.	C-17 133
49. Cook, I. B., Byron. Fruits.	C-17 133
50. Culver, Geo., South Barre. Fruits.	C-17 133
51. Davis, Park, Medina. Fruits.	C-17 133
52. Davy, Chas. B., Waterloo. Fruits.	C-17 133
53. Doyle, M. & Co., Rochester. Dried and evaporated fruits.	Gal. I-73 139
54. Ellwanger & Barry, Rochester. Fruits.	C-17 133
55. Faber, Walter F., Poughkeepsie. Strawberries.	C-17 136
56. Fargo, John, Batavia. Fruits.	C-17 133
57. Farmer, L. P., Pulaski. Strawberries.	C-17 136
58. Fuller, Geo., Oakfield. Fruits.	C-17 133
59. Graham, A. G., Clyde. Fruits.	C-17 133
60. Gray, Charles, Albion. Fruits.	C-17 133
61. Harris, Julius, Ridgeway. Peaches.	C-17 133
62. Hazelton, James, LeRoy. Fruits.	C-17 133
63. Howell, H. B., Medina. Fruits.	C-17 133
64. Howes, Arthur, Albion. Fruits.	C-17 133
65. Howland, Mrs. Emma, Rochester. Canned fruits.	Gal. I-73 140
67. Kay, Peter, Syracuse. Fruits.	C-17 133

Exhibit No.	Class'n No.
68. LeRoy, D. C., Baldwinsville. Apples.	C-17 133
69. Milne, W. D., East Kendall. Fruits.	C-17 133
70. Mills, Charles B., Fairmont. Small fruits.	C-17 136
71. Morgan, B. F., Albion. Fruits.	C-17 133
72. Murphy, Benjamin, East Kendall. Fruits.	C-17 133
73. New York State, Albany.	
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c Nuts.	137
d Casts and models.	138
e Dried and evaporated fruits.	139
f Preserved fruits.	140
g Jellies, jams and marmalades.	141
h Fruit juices.	143
74. New York State Commission, Albany.	
a Pomaceous and stone fruits.	C-17 133
b Small fruits.	136
c Nuts.	137
d Casts and models of fruits.	138
e Dried and evaporated fruits.	I-73 139
f Fruits in glass or cans.	140
g Jellies, jams and marmalades.	141
h Expressed juices of berries, etc.	143
i Methods of preserving fruits.	145
j Literature and statistics.	146
75. New York State Experiment Station, Geneva. Fruits.	C-17 133
76. Nichols, Bradley, North Chatham. Fruits.	C-17 133
77. Norton, Frank, Alabama. Fruits.	C-17 133
78. Oneida Community, Oneida.	
a Canned fruits.	140
b Jellies, jams, etc.	141
79. Page, Wm., Bethany. Fruits.	C-17 133
80. Pease, Howard N., Delhi. Canned maple sugar and syrup.	Gal. I-73 140
81. Pease, Ira, Oswego. Fruits.	C-17 133
82. Pease, Mrs. Howard N., Delhi. Canned fruits.	Gal. I-73 140
83. Perry, A. D., Syracuse. Fruits.	C-17 133
84. Powell, Geo. T., Ghent. Fruits.	C-17 133
85. Roberts, John T., Syracuse. Fruits.	C-17 133
86. Samis, C., Pavilion. Fruits.	C-17 133
87. Smiths & Powell, Syracuse. Fruits.	C-17 133

## Pomology, Manufactured Products, Methods and Appliances, Floriculture.

Exhibit No.	Class No.	Exhibit No.	Class No.
88. Spaulding, George, East Onondaga. Fruits.	C-17 133	110. Conservatories at Prospect Park, Brooklyn. Specimens palms and rare plants. N. E. cor. of Dome	159
89. Stedman, R. Willét, Lee Center. Fruits.	C-17 133	111. Cutting, R. L., Oakdale. a Palms. 159	
90. Taber, Walter F., Poughkeepsie. Strawberries.	C-17 136	b Rare exotic plants. N. E. cor. of Dome	166
91. Taylor, Eli, East Elba. Fruits.	C-17 133	112. Daacke, H. A., New York City. Floral novelties. N. E. cor. of Dome	171
92. Van Alstyne, E., Kinderhook. Apples.	C-17 133	113. Dana, Chas. A., Glen Cove, L. I. Ferns and rare plants. N. E. cor. of Dome	160
93. Weld, John, Lyndonville. Peaches.	C-17 133	114. Dean, James, Bay Ridge, L. I. a Azaleas. 150	
94. Weller, J. A., Fayetteville. Fruits.	C-17 133	b Palms. 159	
95. Wells, S. J., Fayetteville. Fruits.	C-17 133	c Ferns. N. E. cor. of Dome	160
96. Willard, S. D., Geneva. Fruits.	C-17 133	115. Elliott, William, & Sons, New York City. Florists' supplies. N. E. cor. of Dome	171
97. Wood, Albert, Carleton Station. Pears.	C-17 133	116. Foley, John J., New York City. Floral photographs. N. E. cor. of Dome	170
98. Woodward, J. S., Lockport. Fruits.	C-17 133	117. Forsterman, I., Newton, L. I. New and rare plants, orchids, etc. N. E. cor. of Dome	140
99. Worden, Mont, Fayetteville. Fruits.	C-17 133	118. Freeman, L., Whitestone, L. I. Collection of Ericas. N. E. cor. of Dome	155
100. Zellar, Chas. & Son, Flatbush, Long Island. Display of dwarf orange trees bearing fruit. N. E. cor. of Dome	134	119. Gabriel, Marc Co., Woodside, L. I. Standard roses. N. E. cor. of Dome	147
<b>GROUP 22.</b>			
101. Allen, C. H., Floral Park, Long Island. Ornamental, bulbous flowering plants and cut flowers. N. E. cor. of Dome	153	120. Gould, Jay, Irvington-on-the-Hudson. a Palms. N. E. cor. of Dome	159
102. Asmus, Ernest. Display of summer blooming lily-of-the-valley. N. E. cor. of Dome	153	b Ferns, etc. 160	
103. Beck, Mrs. E., Poughkeepsie. Specimen Dracæna. N. E. cor. of Dome	157	c New and rare plants. 166	
104. Bennett, George, Flatbush, L. I. a Display of calceolarias. 155		123. Henderson, John, Co., Flatbush, L. I. New roses. N. E. cor. of Dome	147
b Display of ferns. N. E. cor. of Dome	160	124. Henderson, Peter, Co., New York City. a Ferns. N. E. cor. of Dome	160
105. Bonn & Dressel, New York City. Palms and dracenia. N. E. cor. of Dome	159	b Aquatic plants. 163	
106. Brown, Wm. L., Flatbush, Long Island. N. E. cor. of Dome		c Rock plants. 164	
a Palms. 159		125. Hens, A. W., & Co., Long Island City, L. I. Vases, ferneries and plants. N. E. cor. of Dome	179
b Ferns. 160		126. Henshaw, Samuel, West New Brighton, Staten Island. Collection of the flora of Staten Island. N. E. cor. of Dome	171
c Foliage plants. 161		126a. Herman, A., Florists' Exchange, New York City. Metallic designs. N. E. cor. of Dome	169
107. Central Park Conservatories, New York City. Specimen palms and rare plants. N. E. cor. of Dome	159	127. Hilfinger Bros., Fort Edward. Plant pots. N. E. cor. of Dome	169
108. Childs, John Lewis, Floral Park, Long Island. Ornamental, bulbous, flowering plants and cut flowers. N. E. cor. of Dome	153	127a. Howe, Mrs. Fisher, Brooklyn. Palms and foliage plants. N. E. cor. of Dome	159
109. Chitty, H. E., New York City. Carnations. N. E. cor. of Dome	148		

## Floriculture, Culinary Vegetables.

Exhibit No.	Class'n No.	
128. Jansen, Edward. Fancy baskets and florists' supplies.	V-46	169
129. Joosten, C. H., New York City.		
<i>a</i> Rhododendrons, magnolias, hydrangeas and azaleas.	N. E. cor. of Dome	150
<i>b</i> Roses.		147
<i>c</i> Clematis.		156
<i>d</i> Insect destroyers, garden sprinklers.	Wooded Island	171
130. Keller, John M., Bay Ridge, L. I.		
<i>a</i> Palms.	N. E. cor. of Dome	159
<i>b</i> Ferns.		160
131. Kelsey, F. W., New York City.		
Rhododendrons.	Wooded Island	150
132. Koffman, E. Walden. Smilax plants.	N. E. cor. of Dome.	164
133. Krick, Wm. C., Brooklyn.		
<i>a</i> Immortelle lettering and designs.	N. E. cor. of Dome	167
<i>b</i> Immortelles.	V-48	171
134. Long, Daniel B., Buffalo. Florists' photographs.		170
135. May, John N., New York City.		
Roses.	N. E. cor. of Dome	147
136. McAllister, F. E., New York City.		
Florists' supplies.	N. E. cor. of Dome	171
137. McGowan, John, New York City.		
Carnations.	N. E. cor. of Dome	148
138. Monk, A. L., New York City.		
Floral photographs.	N. E. cor. of Dome	170
139. New York Florist's Club. Monthly display of cut flowers, floral designs and novel floral decoration.	N. E. cor. of Dome	167
140. New York State. Bound volumes and current issues of the Horticultural newspapers and magazines of the State of New York.	N. E. cor. of Dome	170
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<i>b</i> <i>Lauris nobilis</i> .	Entrance to Building	171
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143. Pierson, F. R., & Co., Tarrytown. Cannas and plants.	N. E. cor. of Dome	159
144. Pitcher & Manda, New York City. Collections of orchids and rare plants.	N. E. cor. of Dome	149
145. Pratt, Edward, Brooklyn.		
<i>a</i> Specimen palms.		159
<i>b</i> Specimen ferns.		160
<i>c</i> Rock plants.		156
<i>d</i> Crotons.		161

Exhibit No.	Class'n No.	
146. Reed & Ketter, New York City.		
Wire designs.	V-51	169
147. Roehrs, Julius, New York City. Specimen palms.	N. E. cor. of Dome	159
148. Russell, S. J., New York City.		
Doves for florists' use.	N. E. cor. of Dome	171
149. Saltford, W. G., Poughkeepsie.		
<i>a</i> Specimen dracæna.		153
<i>b</i> Cut flowers.		167
150. Scholes, D., Brooklyn. Orchids.		
<i>a</i> Specimen dracæna.	N. E. cor. of Dome	149
151. Scholes, F., Brooklyn. Orchids.		
In Lord & Burnham's greenhouse		149
152. Schollay, John A., Brooklyn. Rubber sprinklers, etc.	V-50	171
153. Siebrecht & Wadley, New Rochelle.		
Orchids and new and rare plants.	N. E. cor. of Dome	149
154. Siebrecht, Wm. H. Astoria, L. I.		
Ornamental, bulbous flowering plants.	N. E. cor. of Dome	153
155. Sipple, Doppfel & Co., Syracuse.		
Flower pots.	N. E. cor. of Dome	169
156. Small, H. H., & Sons, New York City. Model of the United States Capitol made of Cape flowers.	N. E. cor. of Dome	171
158. Taylor, John H., Bayside, Long Island. Roses.	N. E. cor. of Dome	147
159. Thorburn, James M., & Co., New York City. New flowers.	N. E. cor. of Dome	164
160. Tricker, Wm., Dongan Hills, Staten Island. Aquatic plants.		163
161. Weathered, Thos. W. Sons, New York City. Amateur's conservatory and plant house (plants donated by members of New York Florists' Club).	Opposite Northwest entrance	171
162. Weeber & Don, New York City. Florists' supplies.	N. E. cor. of Dome	171.
163. Weir & Sons, James, Bay Ridge, Long Island. Palms.	N. E. cor. of Dome	159
164. Whildin Pottery Co., New York City.		
<i>a</i> Roses.		147
<i>b</i> Cut flowers.		167
<i>c</i> Plant pots.		169
165. Young, John, New York City.		
<i>a</i> Cut flowers.		167
<i>b</i> Boxes used for shipping.		171

## GROUP 23.

166. Brooklawn Farm, Esopus on Hudson. Vegetables.	A-77	173
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## Culinary Vegetables, Arboriculture, Appliances, Methods, Etc.

Exhibit No.	Class'n No.
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168. Gordon & Dilworth, New York City. Canned vegetables.	Gal. L-75 176
169. Hallach, Geo. & Sons, Orient. Vegetables.	Q-77 173
170. New York Experiment Station, Geneva.	
a Culinary vegetables.	Q-77 172
b Vegetables.	173-174-175
171. New York State.	
a Leguminous vegetables.	Q-77 172
b Vegetables.	173
c Miscellaneous culinary vegetables.	173
d Vegetables dried or in cans or glass.	176
e Pickles, etc.	177
172. New York State Commission, Albany.	
a Cabbage, lettuce, asparagus, etc.	P & Q-77 174
b Miscellaneous culinary vegetables.	175
c Dried vegetables.	176
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e Methods of preserving.	178

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172a. Joosten, C. H., New York City. Insect powder distribution.	V-47 186
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Exhibit No.	Class'n No.
173. Parsons & Sons, Flushing, Long Island. Rare conifers and ornamental trees.	N. E. cor. of Dome 18
174. Stott Garden Implement Co., New York City. Insecticide distributors syringes and sprayers.	F-77, North Pav. 18

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175. Henderson & Co., Peter, New York City. Garden implements.	H-77, North Pav. 18
176. Hitchings & Co., New York City. Greenhouses and conservatories.	Rear entrance 18
177. Holt, E. W., Brooklyn. Garden sprinklers.	N. E. cor. of Dome 18
179. Lord & Burnham Co., Irvington. Greenhouse and conservatories.	Rear entrance 18
180. Reed & Keller, New York City. Florist's wire work and designs.	N. E. cor. of Dome 19
181. Roberts, D. H., New York City. Process of manufacturing greenhouse glass.	N. E. cor. of Dome 18
182. Steffens, N., New York City. Florists' wire work designs.	N. E. cor. of Dome 19
183. Weathered, Thos. W., New York City. Conservatory.	West of Bldg. 18

## NORTH CAROLINA.

## Viticulture, Pomology, Manufactured Products, Methods and Appliances.

## GROUP 20.

(Exhibits in this group are located in the South Pavilion.)

Exhibit No.	Class'n No.	
1. Garrett, C. W., & Co., Medoc.		
a White wine.	A-4	126
b Red wine.		127
c Ports, sherries and sweet wines.		128
d Sparkling wines.		129
e Brandy.		131
1a. Garrett & Co., Weldon.		
a White wine.	A-4	126
b Red wine.		127
c Ports, sherries and sweet wines.		128
d Sparkling wines.		129
1b. Green, W. J., Fayetteville.		
a White wine.	A-4	126
b Red wine.		127
c Sweet wine.		128
d Brandy.		131
1c. Hoyt, John K., Luther.		
a White wine.	A-4	126
b Red wine.		127
1d. Lawrence, G. W., Fayetteville.		
White wine.	A-4	126
1e. Shellem, Geo., Raleigh.	Red wine.	A-4 127

## GROUP 21.

Exhibits in this group are located in A-56 unless otherwise stated.

1f. Abram, Miss F., Rocky Mount.		
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b Fruit jellies.		141
1g. Allen, Warren & Sons, Greenville.		
Fruits in glass.	A-52	140
2. Allison, Mrs. T. J., Statesville.	Apple jelly.	141
2a. Bellamy, J. C., Whitakers.	Fruits in glass.	A-52 140
3. Bishop, Mrs. O. H., Woodside.		
a Preserved fruits.		140
b Fruit jellies.		141
4. Bradshaw, Mrs. D. C., Russell.	Fruit jellies.	141
4a. Breece, J. S., Fayetteville.	Fruits in glass.	A-52 140
5. Brown, Mrs. C. C., Wilmington.	Preserved fruits.	140
6. Brown, Mrs. W. T., Murfreesboro.	Fruit jellies.	141

Exhibit No.	Class'n No.	
7. Cowles, H. C., Statesville.	Apple jelly.	141
8. Drake, Mrs. M. J., Statesville.	Preserved citron.	140
9. Freeman, Mrs. W. G., Murfreesboro.		
a Preserved fruits.		140
b Apple jelly.		141
10. Gibson, Mrs. Robert, Concord.		
a Preserved fruits.		140
b Fruit jellies.		141
10a. Goodwin, B., Lumberton.	Fruits in glass.	A-52 140
10b. Goodwin, B., Raleigh.	Fruits in glass.	A-52 140
11. Gordon, Miss A., Morganton.		
a Preserved fruits.		140
b Fruit jellies.		141
11a. Green, W. J., Fayetteville.	Fruits in glass.	A-52 140
12. Hall, Miss J. B., Red Springs.		
a Preserved fruits.		140
b Apple jelly.		141
13. Harrell, Mrs. J. N., Murfreesboro.		
a Preserved fruits.		140
b Fruit jellies.		141
14. Harrell, Mrs. L., Statesville.		
a Preserved citron.		140
b Apple jelly.		141
15. Harris, Mrs. J. W., Rutherfordton.	Fruit jellies.	141
16. Hattom, Mrs. R. J., Salisbury.	Fruit jellies.	141
16a. Huske, A. S., Fayetteville.	Fruits in glass.	A-52 140
17. Josey, Mrs. A. E., Salisbury.	Fruit jellies.	141
18. Lewis, Mrs. G. W., Statesville.	Preserved peaches.	140
18a. May, J. A., Canton.	Apples.	A-52 133
19. Miller, Miss L. L., Goldsboro.		
a Preserved fruits.		140
b Fruit jellies.		141
20. Monk, Mrs. H. C., Hobton.	Preserved grapes.	140
21. Morris, Mrs. H., Tarboro.	Preserved fruits.	140
21a. Nanny, G., Chimney Rock.	Fruits in glass.	A-52 140

## Pomology, Manufactured Products, Methods and Appliances, Culinary Vegetables.

Exhibit No.	Class'n No.
22. Parker, Mrs. H. N., Raleigh.	
a Preserved fruits.	140
b Fruit jellies.	141
22a. Robinson, Col. John, Raleigh. Fruits in glass.	A-52 140
23. Robinson, Mrs. Jno., Raleigh.	
a Preserved crabapples.	140
b Fruit jellies.	141
24. Sasser, Mrs. J. H., Greenleaf. Fruit jellies.	141
25. Smith, Mrs. J. M., Fayetteville. Preserved grapes.	140
26. Smith, Mrs. P. P., Wakulla.	
a Preserved quinces.	140
b Fruit jellies.	141
27. Stevens, Mrs. W. E., Clinton.	
a Preserved fruits.	140
b Fruit jellies.	141
28. Watson, Mrs. T. B., Ridgeway. Preserved fruits.	140
29. Watson, Mrs. Wm., Warrenton.	
a Preserved fruits.	140
b Fruit jellies.	141
30. West, Mrs. Jas., Raleigh. Fruit jellies.	141
30a. Whiting Bros., Raleigh. Fruits in glass.	A-52 140
31. Worth, Mrs. J. M., Fayetteville.	
a Preserved fruits.	140
b Fruit jellies.	141

## GROUP 23.

(Exhibits in this group are located in A-56.)

Exhibit No.	Class'n No.
32. Abram, Miss F., Rocky Mount. Pickles.	177
33. Bishop, Mrs. O. H., Woodside. Pickles and sauces.	177
34. Bradshaw, Mrs. D. C., Russell. Pickles.	177
35. Brown, Mrs. C. C., Wilmington. Pickles and catsup.	177
36. Freeman, Mrs. W. G., Murfreesboro. Pickles.	177
37. Hall, Miss J. B., Red Springs. Pickles.	177
38. Hatton, Mrs. R. J., Salisbury. Pickles.	177
39. Robinson, Mrs. Jno., Raleigh. Pickles.	177
40. Smith, Mrs. P. P., Wakulla. Pickles.	177
41. Stevens, Mrs. W. E., Clinton. Pickles.	177
42. Watson, Mrs. T. B., Ridgeway. Pickles.	177
43. Worth, Mrs. J. H., Fayetteville. Pickles and sauces.	177

## OREGON.

LOCATION—N. W. CURTAIN, D-B-62 to 65.

Viticulture, Pomology, Manufactured Products, Methods and Appliances.

## GROUP 20.

Exhibit No.	Class's No.
1. Anderson, A., Portland. Grapes.	122

## GROUP 21.

2. Allen, E. W., Portland. Prunes.	140
3. Arthur, Benjamin, Milton.	
a Apples.	133
b Plums.	140
4. Babcock, Mrs., New Bridge. Apples.	133
5. Baker, W. J., Hood River. Apples.	140
6. Baker, W. W., Hood River. Apples.	133
7. Barnes, Wm., Portland. Cherries.	140
8. Beck, Joseph, New Bridge. Apples.	133
9. Bell, Mrs., G. W., Portland. Smyrna Apples.	140
10. Berlin, Emil, Corvallis. Prunes.	140
11. Bennehoff, G. W., New Bridge. Apples.	133
12. Bennehoff, W. H., New Bridge. Apples.	133
13. Black, I. L., Salem. Filberts.	137
14. Bristol, John, Portland. Apples.	140
15. Bull, Chancy, Mt. Tabor. Prunes.	140
16. Burt, H., Hillsborough. Apples.	133
17. Butzer, Jacob, Portland. Elderberries.	136
18. Cardwell, J. R., Portland.	
a English walnuts.	137
b Prunes, apples and pears.	139
c Cherries, plums, prunes.	140
19. Chapman, H., Mt. Scott. Pears.	140
20. Collidge, D. W., Eugene City. Grapes.	140
21. Craig, Chas., New Bridge. Apples.	133
22. Crawford, J. A., Dayton. Pears.	140
23. Crow, W. M., Merlin. Peaches.	140
24. Crum, J. W., Gales Creek. Prunes.	140
25. Davidson, H. F., Hood River. Apples.	133-140
26. Daws, Samuel, Kelsey. Prunes.	140
27. Doesch, Henry E., Portland. English walnuts.	137

Exhibit No.	Class's No.
28. Dunlap, G. A., Huntington. Peaches.	140
29. Evans, S. P., Umpqua Ferry. Cherries.	140
30. Falling, W. F., Portland. Cherries.	140
31. Flickinstein, Adam L., Woodlawn. Pears.	140
32. Freeborough, H., Mt. Tabor. Prunes.	140
33. Fused, Wm., Parker. Pears.	140
34. Gillihan, J. R., Souveir Island. Pears.	140
35. Heald, C. P., Hood River. Apples.	133
36. Hendricks, J. S., Hood River. Apples.	140
37. Hendershott, James, Cove.	
a Apples.	133
b Plums.	140
38. Hobson, Samuel, Newberg. Cherries.	140
39. Holcomb, James, New Bridge. Apples.	133
40. Hoskins, C. E., Newberg.	
a Apples.	133
b Prunes, peaches.	140
41. Huffman, W. B., Union. Apples.	133
42. Hunt, B., Hillsboro. Cherries.	140
43. Hunter, Wm., La Grande. Apples.	133
44. Irvine, Gerard, Portland. Plums.	140
45. Jansen, Peter, Woodlawn. Peaches.	140
46. Johnston, S. J., Astoria. Elderberries.	136
47. Kallick, J. M., Woodlawn. Prunes.	140
48. Knapp, J. D., Knapp's Landing. Pears.	140
49. Lewelling, A., Milwaukee.	
a Apples.	133
b Pears.	140
50. Lewis, W. E., Milwaukee. Pears.	140
51. Long, Chas., Silverton. Prunes.	140
52. Matlock, W. F., Pendleton. Apples.	133

## Pomology, Manufactured Products, Methods and Appliances.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
53. Mills, David, Willis.	Cherries. 140	72. Sluman, Thomas, Mt. Tabor.	Whi 13
54. Moody, C. W., New Bridge.	Apples. 140	currants.	13
55. Moody, G. F. Z., Salem.	Pears. 140	73. Stearns, Isaac, Waldport.	Cranbe 13
56. Moody, G. P., Salem.	Apples. 133	ries.	13
57. Ranger, Joseph, Oswego.	Apricots. 140	74. Tartar, Alex., New Bridge.	Apple 13
58. Page, Judge, Portland.	Almonds. 137	75. Taylor, Wm. H., The Dalles.	13
59. Peabody, Francis, Milton.	133	a Apples.	13
a Apples.	133	b Prunes.	14
b Pears.	140	76. Tendis, J. T., Hood River.	Apple 13
60. Peabody, J. D. K., Pearcy.	Pears. 140	77. Tobin, Wm., New Bridge.	Apple 13
61. Peabody, J. W., Milton.	Cherries. 140	78. Usher, Mrs. W. R., New Bridge.	13
62. Phelps, D. J., Milton.	Peaches. 140	Apples.	13
63. Plummer, Dr. O. P. S., Portland.	140	79. Varney, James, Dallas.	Cherrie 14
Prunes.	140	grapes.	14
64. Possen, F. L., Portland.	Gooseber- 136	80. Wallace Estate, Salem.	Cherrie 14
ries.	136	pears, apples.	14
65. Pracht, W. B., Ashland.	137	81. Wallace, Mrs., Mt. Tabor.	Prune 14
a Black walnuts.	137	82. Walling, A. L., Oswego.	13
b Peaches.	140	a Apples.	13
66. Quick, D. O., Suver.	Pears. 140	b Peaches.	14
67. Reese, J. H., Newberg.	Prunes. 140	83. Welch, C. H., Mt. Tabor.	Pom 14
68. Reeves & Co., New Bridge.	Grapes. 140	granates.	14
69. Reynolds, R. D., Columbia Slough.	140	84. Whitehouse, Benjamin, Portland.	14
Pears.	140	Japanese persimmon.	14
70. Roud, M. V., Hood River.	Plums. 140	85. Wright, Dunham, Medical Springs.	14
71. Russ Ira, & Co., Portland.	Peaches. 140	Plums.	14
	140	86. Wright, Tom, Union.	Apples. 13
		87. Wright, W. F., Union.	Plums. 14

# ARGENTINE REPUBLIC.

LOCATION—GAL. J-9.

Viticulture, Manufactured Products, Methods and Appliances.

## GROUP 20.

Exhibit No.	Class'n No.
1. Alnalde & Co., Mendoza.	
a White wine.	126
b Red wine.	127
c Grappa wine.	131
2. Auchter, E. Parana, Entre Rios.	
White wine.	126
3. Cassanas, A., Uruguay, Entre Rios.	
White wine.	126
4. Catozzella & Co., Colon, Entre Rios.	
Red wine.	127
5. Catozzella, P. E., Audalgala Catamarca.	
White wine.	126
6. Ceolobich, Luis, Buenos Ayres.	
Brandy.	131
7. Cordero & Co., Buenos Ayres.	
Red wine.	127
8. Correa, V., Entre Rios.	
Red wine.	127
9. Costa & Co. L. Buenos Ayres.	
a White wine.	126
b Red wine.	127
10. Cordero, Francisco, Buenos Ayres.	
White wine.	126
11. Crepy, Alfonso, Colon, Entre Rios.	
Grape brandy.	131
12. Doucel, R., Concepcion del Uruguay, Entre Rios.	
White wine.	126
13. Diez, G., Cafayate, Salta.	
White wine.	126
14. Durand, Jean, Colon, Entre Rios.	
a Red wine.	127
b Grape brandy.	131
15. Echegaray, M., & Co., Desamparado.	
a White wine.	126
b Red wine.	127
16. Ferreyra & Echegaray, San Juan.	
a White wine.	126
b Anice.	131
17. Galarza, C., Concordia, Entre Rios.	
Red wine.	127
18. Godoy, N., Cabayate.	
a White wine.	126
b Red wine.	127
19. Granja Ariol, Entre Rios.	
Red wine.	127
20. Guinazu & Co., Mendoza.	
a White wine.	126
b Red wine.	127
c Sparkling wine.	129

Exhibit No.	Class'n No.
21. Hamelle, Alfredo, Posadas Misiones.	
White wine.	126
22. Hunval & Co., Concepcion del Uruguay.	
Red wine.	127
23. Lafone, Quevedo & Co., Audalgala Catamarca.	
a White wine.	126
b Red wine.	127
c Muscatel brandy.	131
24. La Uruguaya Federacion, Entre Rios.	
Red wine.	127
25. Lencioni, F., Concepcion del Uruguay.	
a Red wine.	127
b Brandy.	131
26. Maradona, Ant., Desamparado.	
a White wine.	126
b Red wine.	127
c Brandy.	131
27. Martino & Vela, Parana, Entre Rios.	
White wine.	126
28. Maurin, Juan, Desamparado.	
a White wine.	126
b Red wine.	127
29. Monti, F., Co., Lujan, Buenos Ayres.	
Brandy.	131
30. Mouluis Bros., Concordia, Entre Rios.	
Red wine.	127
31. Ortega, R., Cafayate, Salta.	
a White wine.	126
b Red wine.	127
32. Pagano, J., San Juan.	
White wine.	126
33. Penabra, J., Victoria.	
White wine.	126
34. Penalba, J., Cafayate Salta.	
Red wine.	127
35. Raggia, M., Parana.	
White wine.	126
36. Reibel & Co., Uruguay.	
Grape brandy.	131
37. Sicardi, B., Mendoza.	
White wine.	126
38. Sociedad Anonima, Viti-vinicola, Concordia.	
a White wine.	126
b Red wine.	127
39. Tierney, J. M., San Juan.	
a White wine.	126
b Red wine.	127

## Viticulture, Pomology, Culinary Vegetables, Seeds, Etc.

Exhibit No.		Class'n No.
40.	<b>Tomba Bros., Mendoza.</b>	
	a White wine.	126
	b Red wine.	127
41.	<b>Valentine, J. D., Mendoza.</b>	
	a White wine.	126
	b Red wine.	127
42.	<b>Villa, Luis, Corrientes, Corrientes.</b>	
	a White wine.	126
	b Brandy.	131
43.	<b>Warand &amp; Claras, Buenos Ayres.</b>	
	Red wine.	127
44.	<b>Warando &amp; Co., Buenos Ayres.</b>	
	White wine.	126

## GROUP 21.

45.	<b>Bagley &amp; Co., Buenos Ayres.</b>	Jam.	141
46.	<b>Guevara &amp; Co., Mendoza.</b>	Preserved peaches.	140
47.	<b>Grugot, A., Buenos Ayres.</b>	Preserves.	140
48.	<b>Licardi, B., Mendoza.</b>	Pressed olives.	135
49.	<b>Oriol, Toma, Concordia.</b>	Olives.	135
50.	<b>Raggia, M., Parana.</b>	Three bottles of wine vinegar.	143
51.	<b>Thole, H., Buenos Ayres.</b>	Preserves.	140
52.	<b>Tigre Packing Co., Buenos Ayres.</b>	Canned fruit.	140

## GROUP 23.

(Exhibits in this group are installed in Department A.)

53.	<b>Arechaga, S. &amp; Co., Buenos Ayres.</b>	Mustard pickles.	177
54.	<b>Artabe, Gerardo, Posadas, Misiones.</b>	Beans.	172
55.	<b>Baia, Jose, Riacho de Ore, Chaco Central.</b>	Beans.	172
56.	<b>Basso, Nicolas, Mercedes.</b>	Beans.	172
57.	<b>Castellanos, W., Carlos Casares, Cordoba.</b>	Beans.	172
58.	<b>Chaves, M. S., Reconquista, Santa Fe.</b>	Beans.	172
59.	<b>Chiamo, Juan, Gualaguay.</b>	Beans.	172
60.	<b>Cortora, Celestino, Gualaguay, Cordoba.</b>	Beans.	172
61.	<b>Dagnin, Goya Corrientes.</b>	Beans.	172
62.	<b>Gaires, Fermin, Posadas, Misiones.</b>	Beans.	172

Exhibit No.		Class'n No.
63.	<b>Guazalaga, E., Posadas, Misiones.</b> Beans.	172
64.	<b>Haag, Carlos, Colonia, Santa Fe.</b> Beans.	172
65.	<b>Ibarra, M. de &amp; Co., Navarro.</b> Beans.	172
66.	<b>Jolly, A., Colonia Alsing.</b> Beans.	172
67.	<b>Juevas J. &amp; Co., Uruguay.</b> Canned tomatoes.	176
68.	<b>Kuchewy, Teodoro, Rev., Itati.</b> Beans.	172
69.	<b>Lopez, Jacinto La Mercedes.</b> Beans.	172
70.	<b>Maradona, A., Concepcion, San Juan.</b> Beans.	172
71.	<b>Mautzel, O., Candelaria, Misiones.</b> Beans.	172
72.	<b>Moresco, E. Cordoba.</b> Beans.	172
73.	<b>Nosiglia, Pedro, Posadas, Misiones.</b> Beans.	172
74.	<b>Novoa, Liborio, Chivilcoy, Buenos Ayres.</b> Beans.	172
75.	<b>Neulonburg, Carlos, Posadas, Misiones.</b> Beans.	172
76.	<b>Nelson, Enrique, Viego, Tucuman.</b> Beans.	172
77.	<b>Pereze, Cueto, Chivilcoy.</b> Beans.	172
78.	<b>Prato, Teodoro, Reconquista, Santa Fe.</b> Beans.	172
79.	<b>Quevera &amp; Co., Mendoza.</b> Canned tomatoes.	176
80.	<b>Resoagli, Jose L., Ituzaingo, Corrientes.</b> Beans.	172
81.	<b>Rodriguez, Jose, Porto Bermezo, Chaco.</b> Beans.	172
82.	<b>Sammariva &amp; Son, Navarro.</b> Beans.	172
83.	<b>Torpa, Jose, Cordoba.</b> Beans.	172
84.	<b>Villalonga, Aurdio, Posadas, Misiones.</b> Beans.	172
85.	<b>Zanazzi &amp; Co., Avellaneda, Santa Fe.</b> Beans.	172
86.	<b>Zappi, Silvestre, Pergamino, Buenos Ayres.</b> Peas.	172
87.	<b>Zarate, Ortizde, Mercedes, Buenos Ayres.</b> Beans.	172

## GROUP 24.

88.	<b>Lemaire, Eugenia Tucuman.</b>	Seeds.	180
89.	<b>Peluffo, Vicente, Buenos Ayres.</b>	Seeds.	180

## BELGIUM.

## Floriculture.

## GROUP 22.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Belgium Government. Azaleas, kalmias, etc.	150	4. De Smet Bros., Ledeborg-Ghent. Rhododendrons.	150
2. Daliere, Alexis, Ghent. Rhododendrons.	150	5. Societe anonyme Horticole Gantoise. Rhododendrons.	150
3. De Smet, Arthur, Ledeborg-Ghent. Laurels and other plants.	150	6. Vuylsteke, Charles, Leochristi, near Ghent. Azaleas and rhododendrons.	150

## CANADA.

## Viticulture, Pomology, Manufactured Products, Methods and Appliances.

## GROUP 20.

Exhibit No.	Class'n No.
(Exhibits in this group are located in the South Pavilion.)	
1. Algoma Horticultural Society. Grapes.	122
2. Book, Beverly, Grimsby. Grapes.	122
3. Bright, T. G., & Co., Toronto. Canadian wines.	127
4. Broderick, John, St. Catherines. Grapes.	123
5. Girardot, Ernest, & Co., Sandwich, Ont. Canadian wines.	127
6. Gott, B., Arkona. Grapes.	122
7. Gray, Geo., Sandwich. a Grapes.	122
	b Canadian wines. 127
8. Hamilton, J. S., & Co., Brantford, Ont. Grape wines.	126
9. Kitchen, W. D., Grimsby; Ont. Pure unfermented grape wine.	127
10. Lee, Samuel, Paris. Grapes.	133
11. McLeod, W. N., Stamford. Grapes.	122
12. Merritt, T. R., St. Catherines. Grapes.	122
13. Morris, Stone & Wellington, Welland. Grapes.	122
14. Moutrenil, Chas., Wakerville. Canadian wines.	127

Exhibit No.	Class'n No.
15. Muir, Stanley, Grimsby. Grapes.	122
16. Pettit, A. H., Grimsby. Grapes.	122
17. Pettit, Geo. C., Grimsby. Grapes.	122
18. Pettit, J. R., Grimsby. Grapes.	122
19. Pettit, Murray, Winona. Grapes.	122
20. Pettit, W. H., Grimsby. Grapes.	122
21. Sherrington, A. E., Walkerton. Grapes.	122
22. Smith, Ax. M., St. Catherines. Grapes.	122
23. Turpel, James J., Halifax, N. S. Rhubarb wine.	126
24. Woolverton, E. J., Grimsby. Grapes.	122
25. Woolverton, Linius, Grimsby. Grapes.	122

## GROUP 21.

(Exhibits in this group are located in the N. W. Curtain.)

26. Aberdeen, Earl of, Okanagan, B. C. Fruits.	133
27. Abbotsford, F. G. A., Abbotsford, P. Q. Fruits.	133

## Pomology, Manufactured Products, Methods and Appliances.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
28. Adams, Geo., Smithville.		61. Brown, J. C., New Westminster.	
<i>a</i> Apples.	133	<i>B. C.</i> Fruits.	133
<i>b</i> Gooseberries, raspberries.	136	62. Brown, M., Collingwood. Plums.	133
28a. Algoma Horticultural Society. Apples,		63. Brown, R. M., Clarksburg. Plums.	
pears, crabapples.	133		133
29. Allen, And., Montreal, P. Q. Fruits.		64. Brown, Robt., Paisley. Apples.	133
	133	65. Bunne, J., New Westminster, B. C.	
31. Anderson, Fergus, Ayr. Apples.	133	Fruits.	133
32. Archer, J. W., Collingwood. Apples.		66. Butchard, W., Port Moody, B. C.	
	133	Fruits.	133
33. Areus, Henry, Orillia. Apples and		67. Calbeck, J. A., New Westminster,	
crabapples.	133	<i>B. C.</i> Fruits.	133
34. Armstrong, Jas., Grimsby. Pears.		68. Cameron, H., Collingwood. Apples.	
	133		133
35. Arnott, Wilson, Trenton. Apples.		68a. Camp, D., Cote St. Paul, P. Q. Fruit.	
	133		133
36. Arthur, Wm., Ladner's Landing, B. C.		69. Campbell, James, Thornbury. Crab-	
Fruits.	133	apples, plums and pears.	133
37. Ashley, Chas., Walkerton. Apples.		71. Carlisle, Geo., St. Catherines.	
	133	Peaches.	133
38. Aubertin, A., Cote St. Paul, P. Q.		72. Carnie, John, Paris.	
Fruit.	133	<i>a</i> Apples.	133
39. Auclair, N., St. Hilaire, P. Q. Fruit.		<i>b</i> Gooseberries.	133
	133	73. Carpenter Bros., Stony Creek. Rasp-	
40. Bailey, P. J., Compton, P. Q. Fruit.		berries.	133
	133	74. Carpenter, W. F., Fort Douer. Pears.	
41. Beadle, D. W., Toronto. Literature.			133
	146	75. Carpenter & Son, Winona. Straw-	
42. Beall, Thos., Lindsay.		berries, raspberries and currants.	133
<i>a</i> Apples.	133	76. Caston, G. C., Craighurst. Apples,	
<i>b</i> Gooseberries.	136	crabapples and plums.	133
43. Beamer, W. B., Grimsby. Apples.	133	77. Chisholm, W. Oakville. Apples.	133
44. Beattie, John, St. Catherines. Goose-		78. Clark, Duncan, Marchmont. Apples.	
berries.	136		133
45. Bell, Alex., New Westminster, B. C.		79. Clarke, W. F., Grimsby. Pears.	133
Fruit.	133	80. Clarke, W., Goderich. Apples.	133
46. Berry, William, Cornwall. Apples.	133	81. Cleves, A., Spence's Bridge. Fruit.	
47. Bingle, Alfred, Grimsby. Butternuts.			133
	137	82. Clifford, And., St. Joseph's Island.	
48. Blouin, Dr. J. D., St. Thomas, P. Q.		Apples.	133
Fruit.	133	83. Cline, Geo. W., Winona. Plums.	133
49. Boden, Oscar, Meaford. Pears.	133	84. Clinton, Nelson J., Welsdsor.	
50. Bolster, Geo. J., Orillia. Apples.	133	<i>a</i> Cherries, quinces and pears.	133
51. Bone, W., Nanaimo, B. C. Fruits.	133	<i>b</i> Gooseberries, raspberries and cur-	
52. Book, Lorne, Grimsby. Plums.	133	rants.	133
53. Brady, And., Tweed. Apples.	133	85. Cochrane, Saml., Ayr. Apples.	133
54. Bridge, Jno., New Westminster, B. C.		87. Cole, Aaron, St. Catherines. Apples.	
Fruits.	133		133
55. Brighthouse, Mrs., New Westminster,		88. Cole, R. D., Port Dalhousie. Rasp-	
<i>B. C.</i> Fruits.	133	berries.	133
56. Broderick, John, St. Catherines.		89. Coleman, H., Paisley. Apples.	133
<i>a</i> Apples, peaches and pears.	133	89a. Comley, Mrs. E., Clarksburg	
<i>b</i> Strawberries, gooseberries.	136	Peaches.	133
57. Brodie, James, Grimsby. Quinces.	133	90. Cote, Jos., New Westminster, B. C.	
58. Brodie, R., St. Pierre, P. Q. Fruit.		Fruit.	133
	133	91. Cox, David, Porterhill. Pears.	133
59. Brown, E. S., Ladner's Landing, B. C.		92. Cox, John, Owen Sound. Peaches	
Fruit.	133		133
60. Brown, G., Ridgetown. Pears.	133		

## Pomology, Manufactured Products, Methods and Appliances.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
93. Craig, W. & Son, Abbotsford, P. Q. Fruit.	133	127. Findlay, German, Walkerville. <i>a</i> Pears, plums and quinces.	133
94. Croft, R. M., Stoney Creek. Gooseberries.	136	<i>b</i> Strawberries.	136
95. Culp, Aaron, Jordan. Cherries.	133	128. Fisher, Geo. E., Freeman. Pears.	133
96. Culp, Saml., Beamsville. Pears.	133	129. Fisher, W. F. H., Burlington. Apples.	133
97. Cumon, R., Spence's Bridge, B. C. Fruit.	133	130. Fisk, J. M., Abbotsford, P. Q. Fruit.	133
98. Cunningham, Thos., New Westminster, B. C. Fruit.	133	131. Fitch, William, Grimsby. Cherries, plums.	133
99. Currie, L., Collingwood. Apples.	133	132. Fowler, Peter, Wingham. Apples.	133
100. Cuthbertson, Hugh, Ayr. Apples, crabapples.	133	133. Fraser, J. S. C., New Westminster, B. C. Fruit.	133
101. Cuthbertson, W., Ayr. Apples.	133	134. Fraser Valley Canning Co., B. C. Fruits.	133
102. Dulp, O. C., Freeman. Apples.	133	135. Fruit Growers' Association, B. C. Fruit.	133
103. Deans, John, Smithville. Gooseberries.	136	136. Fruit Growers' Association of Nova Scotia. <i>a</i> Large fruits.	133
105. Dempsey, P. C. & Son, Trenton. Apples and pears.	133	<i>b</i> Small fruits.	136
106. Department of Agriculture, Canada. General exhibit of fruits.	133	<i>c</i> Literature.	146
107. Department of Agriculture, Experimental Farm, Ottawa. Fruits.	133	137. Fruit Growers' Association of Ontario. Horticultural literature.	146
107a. Derry, Frs., St. Hilarie, P. Q. Fruits.	133	138. Galbraith, G. B., Stoney Creek. Strawberries.	146
108. Devlin, Robt., Mohawk. Quinces.	133	139. Gamble, Peter H., Grimsby. Cherries.	133
109. Dibb, Jos., Clarksburg. Plums.	133	140. Gamow, Chas., Collingwood. Apples.	133
110. Dougherty, E., Ashcroft, B. C. Fruit.	133	141. Geddes, Isaac, Winona. Raspberries and blackberries.	136
111. Doyle, R. J., Owen Sound. Apples.	133	142. Gethen Bros., Grimsby. Strawberries, blackberries and raspberries.	136
112. Drysdale, Jos., Hillsdale. Apples, crabapples and pears.	133	143. Gillanders, Donald, Wellington. Apples.	136
113. Duff, W. A. H., Barton. Apples and pears.	133	144. Gillson, James, Meaford. Pears.	133
114. Dunlop, W. W., Outremont, P. Q. Fruit.	133	145. Gillson, Thos., Collingwood. Plums.	133
115. Dunn, D., Lachine Rapids, P. Q. Fruit.	133	146. Godfrey, E. Y., Meaford. Plums.	133
116. Dunn, P., Cote St. Paul, P. Q. Fruit.	133	147. Gordon, John, Tweed. Apples.	133
117. Dupuis, Augustis, L'Islet, P. Q. Fruit.	133	148. Goudy, E., Ladner's Landing, B. C. Fruits.	133
118. Duval, John W., Grimsby. Pears.	133	149. Graham, J. G., Trenton. Apples.	133
119. Earl, Thos. G., Lytton, B. C. Fruit.	133	150. Greenshields, Mrs. S., Montreal, P. Q. Fruit.	133
120. Edwards, G. B., Convey Hill, P. Q. Fruit.	133	151. Guthrie, Robt., Ayr. Apples.	133
121. Egurse, Geo. D., Ellengowan. Apples.	133	152. Hagar, Louis, Grimsby. Apples, pears and walnuts.	133
122. Elnes, Alex., Paisley. Apples.	133	153. Hall, James, Cornwall. Plums.	133
123. Emig, G. M. H., Hammond, B. C. Fruit.	133	154. Hall, L. C., Oshawa. Blackberries.	136
124. Evans, A., Victoria, B. C. Fruits.	133	155. Hamilton, Rev. R., Grenville, P. Q. Fruit.	133
126. Fielding, W., Minden. <i>a</i> Native plums.	133	156. Hare, W. V., Grimsby. Currants.	136
<i>b</i> Cranberries.	136		

## Pomology, Manufactured Products, Methods and Appliances.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
157. Hay, M. G., Ridgetown.	Pears. 133	188. Kerman, John, Grimsby.	Strawberries. 136
158. Haynes, Louis, St. Catharines.	Peaches. 133	189. Kerr, Robt., Thomasburg.	Apples. 133
159. Hebert, F. G., Grimsby.	a Apples. 133	190. Kerr, W., Paisley.	Apples. 133
	b Strawberries. 136	191. Kidd, A. R., Simcoe.	Raspberries. 136
160. Henderson, Dr., Wingham.	Apples. 133	192. Kipp, H., Chilliwack, B. C.	Fruits. 133
161. Henderson, Thos., Grimsby.	High bush cranberries. 136	192a. Kirk, Wm., Paisley.	Apples. 133
162. Henrichon, V., Cote St. Paul, P. Q.	Fruit. 133	193. Kirkby, Rev. L. H., Collingwood.	Plums. 133
163. Hepburn, W., Milby, P. Q.	Fruits. 133	194. Kirkland, Frank, Ladner's Landing, B. C.	Fruits. 133
164. Hewitt, Jas., Grimsby.	Native walnuts. 137	195. Kirkland, J., Ladners, B. C.	Fruits. 133
165. Hewitt, John, Grimsby.	a Cherries and pears. 133	197. Knowlton, W. S., Knowlton, P. Q.	Fruit. 133
	b Raspberries. 136	198. Kottmier, W., St. Catharines.	Peaches. 133
166. High, Solomon, Jordan.	Cherries. 133	199. Ladner, T. E., Ladner's Landing, B. C.	Fruit. 133
168. Hill, Henry, West Lorne.	Apples and pears. 133	200. Ladner, W. H., Ladner's Landing, B. C.	Fruit. 133
169. Hill, Jacob, St. Catharines.	Apricots. 133	201. Laidman, T. H., Grimsby.	Strawberries and cherries. 136
170. Hill, Thos. R., Cottam.	Apples. 133	201a. Lamb, George, Paisley.	Apples. 133
170a. Hillborn, W. W., Leamington.	Strawberries. 136	202. Lamberton Bros., Victoria, B. C.	Fruit. 133
171. Hirst, James, Cornwall.	Plums. 133	204. Lamont, H., Lovat.	Apples. 133
172. Hooper, Robt., Chatham.	Pears. 133	205. Lander, John, Deer Park.	Pears and apples. 133
173. Hopkins, W. V., Burlington.	Apples. 133	206. Lapointe, L., St. Jean Port Joli, P. Q.	Fruit. 133
174. Housberger, C. M., Jordan.	Peaches. 133	207. Lawrence, Chas., Collingwood.	Apples. 133
175. Howell, B. O., Ayr.	Apples. 133	208. Lawrence, Jessie D., Grimsby.	Gooseberries and currants. 136
176. Howell, T. R., Brantford.	Apples. 133	209. Lawrence, John, Collingwood.	Apples. 133
177. Hull, A. G., St. Catharines.	Strawberries. 136	210. Leef, W. H., Orillia.	Apples. 133
178. Huntsberry, W. A., Jordan.	Peaches. 133	211. Little, John, Granton.	Strawberries. 136
179. Hutcheson, Nanaimo, B. C.	Fruits. 133	212. Logon, D., Ridgetown.	Pears. 133
180. Jack, R., Chateauguay, P. P.	Fruits. 133	213. Loimer, W., Victoria, B. C.	Fruits. 133
181. Jamieson, Frank, Dalston.	Apples. 133	214. Lynass, Richard, Cumblane.	Apples. 133
183. Johnston, J. E., Chapman.	Apples. 133	215. Mann, Donald, Gillies Hill.	Apples. 133
183a. Johnstone, Ira, Orillia.	Apples. 133	216. Martin, A., Cote St. Paul, P. Q.	Fruit. 133
184. Jones, W. A. D., New Westminster, B. C.	Fruit. 133	217. Maxwell, Robt., Bluevale.	Apples. 133
185. Joy, Mrs. H., Orillia.	Apples. 133	218. McCormick, Miss S. A., Pelee Island.	Quinces. 133
186. Jubilee Farm, Ladner's Landing, B. C.	Fruits. 133	219. McCracken, W. J., Meaford.	Apples. 133
187. Kelly, Peter, Orillia.	Apples. 133		

## Pomology, Manufactured Products, Methods and Appliances.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
220. McCurdy, D., Vesta. Apples.	133	252. Moore, Benj., Heathcote. Plums.	133
221. McDonald, J. D., Cornwall. Apples.	133	253. Morden, E., Niagara Falls South. Raspberries.	136
222. McDonald, John, Grimsby. Walnuts and wild fruits.	137	254. Morris, Stone & Wellington, Welland. Apples and pears.	133
223. McDonald, Mrs. P., Montreal, P. Q. Fruits.	133	255. Morse, Ernest, Smithville. Apples.	133
224. McDougall, Alex., New Westminster, B. C. Fruits.	133	256. Morton, Adam, Brampton. Gooseberries.	136
225. McGilvray, John, Meaford. Peaches.	133	257. Muir, Stanley, Grimsby. Cherries, pears and apples.	133
226. McGlashan, Windsor. Cherries.	133	258. Munson, R., Okanagan, B. C. Apples.	133
227. McGregor, Miss H., Beamsville. Quinces.	133	259. Murgatroyd, R., Smithville. Gooseberries.	136
228. McKay, E., Ridgetown. Pears.	133	260. Murray, Jno., Spences Bridge, B. C. Fruits.	133
229. McKee, Thos., Goderich. Apples.	133	261. Neal, William, Grimsby. Cherries.	133
230. McKinnon, D. A., Paisley. Apples and crabapples.	133	262. Nelles, B. R., Grimsby. a Cherries. b Currants.	133 136
231. McKinnon, J. S., Paisley. Peaches.	133	263. Nelles, S. A., Grimsby. Apples, peaches and pears.	133
232. McKnight, R., Owen Sound. Apples.	133	264. Nelles, W. H., Grimsby. Apples.	133
233. McNeely, Thos., Ladner's Landing, B. C. Fruits.	133	265. Newman, C., Lachine, P. Q. Fruits.	133
234. McPhee, John, Paisley. Apples.	133	265a. Nichol, William, Ayr. Apples.	133
235. McSloy, Jas. A., St. Catherines. Plums.	133	266. Nicol, David, Cataragui. Apples.	133
236. Meade, Geo., New Westminster, B. C. Fruits.	133	268. Okell Morris & Co., Victoria, B. C. Fruits.	133
237. Merritt, T. R., St. Catherines. 1 Pears. 2 Currants and gooseberries.	133 136	269. Oliver, S., New Westminster, B. C. Fruits.	133
238. Meyer, F., Bridgeport. Apples.	133	270. Oliver, W., Ladner's Landing, B. C. Fruits.	133
239. Michal, E. A., Cedar District, B. C. Fruits.	133	270a. Ontario, Province of. Fresh fruits.	133
240. Middaugh, D., Danville. Huckleberries.	136	271. Orton, P. G., Olinda. Apples.	133
241. Miller, Thomas, Cottam. Apples.	133	272. Osborn, D., & Son, St. George. Apples.	133
241a. Miller, William, Cottam. Plums and pears.	133	273. Osborne, John, Cornwall. Gooseberries.	136
242. Millward, Dr. W. E., Grimsby. Pears and quinces.	133	274. Palmer, Mrs. E. J., Grimsby. Quinces.	133
243. Millward, Percy, Grimsby. Wild fruits.	133	275. Paradis, T., St. Gervais, P. Q. Fruit.	133
245. Mitchell, John, Ayr. Apples.	133	276. Parnell, S., St. Catherines. Plums.	133
246. Mitchell, John, Leamington. Apples, pears and peaches.	133	277. Pattison, F. G. H., Grimsby. a Cherries, plums and apples. b Raspberries.	133 136
247. Mitchell, Thomas Ayr. Apples.	133	278. Pattison, Wm., Clarenceville, P. Q. Fruits.	133
248. Molson, J. H. R., Montreal, P. Q. Fruit.	133	279. Paul, Walter, Montreal, P. Q. Fruits.	133
249. Monroe, Duncan, Cornwall. Apples.	133		
250. Monroe, D., Windsor. Pears.	133		
251. Montreuil Lake, Walkerville. Pears.	133		

## Pomology, Manufactured Products, Methods and Appliances.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
280. Pay, Albert, St. Catherines.	Cherries and pears.	311. Randall, R. T., Ayr.	Apples and May apples.
281. Pearce, R., Brantford.	Apples and pears.	312. Raymond, Oliver, Dickenson's Land.	ing. Apples.
282. Peart, A. W., Burlington.	Apples.	313. Raymond, Solomon, Moulinette.	Apples.
283. Peart, Edwin, Nelson.	Apples.	314. Read, E. H., Grimsby.	Pears.
283a. Peck, Francis, Albany.	Apples.	315. Reamy, W., Burgoyne.	Apples.
284. Penbury, E., Nanaimo, B. C.	Fruits.	316. Reed, H., Saanick, B. C.	Fruit.
286. Pentland, S., Collingwood.	Apples.	317. Reid, S. G., Grimsby.	Pears.
287. Pettit, A. G., Grimsby.	Pears.	318. Riordan, W., St. Catherines.	a Cherries.
288. Pettit, A. H., Grimsby.	a Apples, peaches and pears.	b Gooseberries and currants.	
b Gooseberries, blackberries and cranberries.		319. Rivers, R., & Son, Walkerton.	Apples and crabapples.
c Chestnuts.		320. Robert, A., Lachine, P. Q.	Fruit.
289. Pettit, Geo. C., Grimsby.	Currants and raspberries.	321. Roberts, J. D., Cobourg.	Apples and pears.
290. Pettit, J. A., Grimsby.	Raspberries.	322. Robinson, R., Vancouver, B. C.	Fruit.
291. Pettit, J. R., Grimsby.	Blackberries.	323. Robinson, W., Windsor.	Strawberries.
292. Pettit, Murray, Winona.	a Pears.	324. Roddick, R., Cote, St. Paul, P. Q.	Fruit.
b Blackberries.		325. Ross, H. G., New Westminster, B. C.	Fruits.
293. Pettit, W. H., Grimsby.	Raspberries.	326. Rown, Jas., M. P., Dumblane.	Apples.
294. Pettit, W. Y., Oakville.	Apples.	327. Rudlin, Capt., Victoria, B. C.	Fruit.
295. Pettit & Co., Trafalgar.	Apples.	328. Ruth, Salem, Ridgetown.	Pears.
296. Pitcairn, J., Pt. Fortune, P. Q.	Fruits.	329. Sanford, Hon. W. E., Hamilton.	Lemons and oranges. (Hothouse)
297. Plunkett, Meaford.	Plums.	330. Saunders, W. B., Stayner.	Apples.
298. Pommeville, Coteau, St. Pierre, P. Q.	Fruit.	331. Secor, G. R., Grimsby.	a Plums.
299. Porter, Henry, Ridgetown.	Pears.	b Currants.	
300. Pouliot, J. E., Fraserville, P. Q.	Fruit.	332. Shaw, Samuel, Ivanhoe.	Apples.
301. Provincial Government of British Columbia, Victoria.	Fruits.	333. Shelles, B. W., New Westminster, B. C.	Fruits.
302. Provincial Government of Northwest Territories, Regina.	Fruits.	334. Sheperd, R. W., Montreal, P. Q.	Fruit.
303. Provincial Government of Ontario, Toronto.	Fruits.	335. Sherrington, A. E., Walkerton.	Apples and crabapples.
304. Provincial Government of Prince Edward Island, Charlottetown.	Fruits.	336. Sieling, Conrad, Mildmay.	Apples.
305. Provincial Government of Quebec, Quebec.	Fruits.	337. Sinclair, James, Windsor.	Strawberries.
306. Purdy, Amos, Glamis.	Apples.	338. Smith, A. M., St. Catherines.	a Cherries, plums and peaches.
307. Pyett, Benj., Grimsby.	Cherries.	b Strawberries, gooseberries and raspberries.	
308. Race, T. H., Mitchell.	Gooseberries.	340. Smith, Geo., Grimsby.	Apples.
309. Randall, A. B., Grimsby.	Strawberries.	341. Smith, Isaac, Winona.	Strawberries.
310. Randall, Jas. S., Grimsby.	Currants.		

## Pomology, Manufactured Products, Methods and Appliances.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
342. Smith, Jasper, Grimsby. Pears.	133	374. Vanduser, Ira E., Winona. Strawberries and raspberries.	136
343. Smith, J. H., Grimsby. Apples.	133	375. Vanduser & Son, Grimsby. Apples, pears and peaches.	133
344. Smith, Miss, Grimsby. Strawberries.	136	376. Van Dyke, Geo., Grimsby. Currants.	136
345. Smith, Malcom, Buchridge, P. Q. Fruits.	133	377. Verrcault, Albert, St. Jean Port Joli, P. Q. Fruit.	133
346. Smith, Russel, New Westminster, B. C. Fruits.	133	378. Wainman, J. W., Orillia. Apples.	133
347. Smith, Sardis, Grimsby. Cherries.	133	379. Walker, Isaac B., Grimsby. Peaches.	133
347a. Smithers, R., New Westminster, B. C. Fruit.	133	380. Wardroper, E., Pelee Island. Kentish cob nuts.	137
348. Sneath, Geo., Midhurst. Apples.	133	381. Weaver, Mrs. Wm., Chatham, Ont. Canned fruit.	140
349. Snyder, Thos., Grimsby. Apples.	133	382. Weingate, Jos., Walkerton. Apples.	133
350. Soper, M. L., Guilds. Apples and plums.	133	383. Wells, Geo., Outremont, P. Q. Fruits.	133
351. Spera, William, Stoney Creek. Gooseberries and raspberries.	136	384. Wentemuk, Jos., New Westminster, B. C. Fruits.	133
352. Springer, O. T., Burlington. Apples.	133	385. Whaley, Mark, Olinda. Peaches.	133
353. Stephens, C. L., Orillia. Apples, pears and plums.	133	386. Whittaker, John H., Grimsby. Peaches.	133
354. Stewart, James, Meaford. Apples, plums and quinces.	133	387. Whittaker, Sam'l., Grimsby. a Peaches and pears.	133
355. Stewart, J. D., Russeldale. Apples and pears.	133	387. b Dewberries.	136
356. Stewart, Thos., Lytton, B. C. Fruit.	133	388. Wickney, C., Whomstock, B. C. Fruit.	133
357. Stipe, S. P., Barton. Pears and apples.	133	389. Wigle, Arthur, Ruthven. Apples.	133
358. Stott, Mark, St. Catherines. Plums.	133	390. Wilds, James, Bartonville. Gooseberries.	136
359. Stridge, J., New Westminster, B. C. Fruits.	133	391. Willhausen, W., Walkerton. Apples.	133
360. Sullwain, J., New Westminster, B. C. Fruits.	133	392. Williams, Mrs., Walkerville. Strawberries.	136
361. Swaile, Mrs., Cote des Neiges, P. Q. Fruits.	133	393. Willis, Robt., Orillia. Apples.	133
362. Taite, Amos, Meaford. Plums.	133	393a. Wills, Henry, Winger. Apples and pears.	133
363. Telfor, Robt., Dumblane. Apples.	133	393b. Willson, J. H., Winona. Peaches.	133
364. Terryberry, A., Grimsby. Currants and gooseberries.	136	393c. Willson, J. N., Ridgetown. Pears.	133
365. Titterington & Pay, St. Catherines. Pears and cherries.	133	394. Wilson, Benj., Wingham. Apples.	133
366. Toltom, James, Walkerton. Apples and plums.	133	395. Wilson, F. W., Chatham. Apples and quinces.	133
367. Tracy, Henry, Minesing. Apples.	133	397. Wilson, Job, Marshville. Apples.	133
368. Trotter, Richard, Owen Sound. Apples, plums and pears.	133	398. Wilson, John, Pinkerton. Apples.	133
369. Turner, W. S., Cornwall. a Apples.	133	401. Wilson, L., Collingwood. Apples.	133
370. Tyhurst, Edward, Leamington. b Currants.	136	402. Wilson, Mrs. P., Victoria, B. C. Fruits.	133
371. Udell, Geo., Grimsby. Blackberries.	136		
372. Vanalstine, Jas., Ridgetown. Pears.	133		
373. Vanduser, D., Grimsby. Apples, pears, peaches and cherries.	133		

## Pomology, Floriculture, Culinary Vegetables, Arboriculture, Appliances, Methods, Etc.

Exhibit No.	Class'n No.
403. Woolverton, E. J., Grimsby. Apples, peaches, pears and quinces.	133
404. Woolverton, Linus, Grimsby.	
a Apples, pears, plums, quinces and cherries.	133
b Strawberries, raspberries and currants.	136
405. Woon, James, Beamsville. Strawberries.	136
406. Zimmerman, Peter, Jordan. Cherries and pears.	133
407. Zimmerman, W., Beamsville. Raspberries.	136

## GROUP 22.

(Exhibits in this group are located in the Dome and on the Lawn.)

408. Asylum, Toronto. Palm.	159
409. Calder, J. A., Moose Jaw, N. W. T. Pressed prairie flowers.	167
410. Central Prison, Toronto.	
a Perennials and flowering shrubs.	157
b Palms.	159
c Ornamental leaf plants.	161
d Cactaceæ.	162
411. Exhibition Park, Toronto.	
a Palms.	159
b Ornamental leaf plants.	161
412. Government House, Toronto.	
a Palms.	159
b Ornamental leaf plants.	161
c Cacti.	162
413. Horticultural Gardens, Toronto.	
a Perennials and flowering shrubs.	157
b Palms.	159
c Cacti.	162
414. Hoskins, John, Toronto.	
a Perennials and flowering shrubs.	157
b Palms.	159
c Cacti.	162
415. MacDonald, John, Toronto. Ornamental flowering plants.	153
416. McPherson, D. S., Toronto.	
a Flowering annuals.	155
b Climbing plants.	156
c Perennials and flowering shrubs.	157
d Palms.	159
e Cacti.	162
417. Normal Schools, Toronto.	
a Perennials and flowering plants.	157
b Palms.	159
c Ornamental leaf plants.	161
d Cacti.	162
418. Saunders, Prof. W., Ottawa. Aquatic plants.	158
419. Waterworks Reservoir, Toronto.	
a Perennials and flowering shrubs.	157
b Palms.	159
c Ornamental leaf plants.	161

## GROUP 23.

Exhibit No.	Class'n No.
(Exhibits in this group are located in C-78.)	
420. Boulter, W., Picton, Ont. Canned goods.	176
421. Burke, Mrs. M., Bowmanville. Canned goods.	176
422. Central Experimental Farm, Ottawa. Vegetables.	173
423. Department of Agriculture (Experimental Farm), Ottawa. Vegetables.	174
424. Erie Preserving Co., Strathroy, Ont. Canned goods.	176
424a. Experimental Farm, Indian Head, N. W. Territory. Vegetables.	173
425. Fruit Growers' Association of Nova Scotia, Wolfville. Vegetables.	174
426. Lakeport Preserving Co., Trenton, Ont. Canned goods.	176
427. Mautine Experimental Farm, Nappan, N. S. Vegetables.	172
428. New Brunswick Farmers (Per Mautine Experimental Farm). Vegetables.	172
429. Nova Scotia Farmers (Per Mautine Experimental Farm). Vegetables.	172
430. Ontario Canning Co., Hamilton, Ont. Canned goods.	176
431. Phoenix Canning Factory, Strathroy, Ont. Canned goods.	176
432. Provincial Government of British Columbia, Victoria. Vegetables.	174
433. Provincial Government of Northwest Territories, Regina. Vegetables.	174
434. Provincial Government of Ontario, Toronto. Vegetables.	174
435. Provincial Government of Prince Edward Island, Charlottetown. Vegetables.	174
436. Provincial Government of Quebec, Quebec. Vegetables.	174
437. Strathroy Canning Co., Strathroy, Ont. Canned goods.	176
438. Tinling, Mrs. E. J., Winnipeg, Man. Pickles.	177
439. Tweedie, Geo., Charlottetown, P. E. I. Bottled and fresh fruits.	176
440. Weaver, Mrs. Wm., Chatham, Ont. Pickles.	177

## GROUP 25.

(Exhibits in this group are located on Lawn.)

441. Department of Agriculture (Central Experimental Farm), Ottawa. Ornamental trees and shrubs.	185
442. Provincial Government of Ontario, Toronto. Ornamental trees and shrubs.	185

## GROUP 26.

443. Phillips, W. F., Sarnia, Ont. Lawn swings.	190
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# CAPE OF GOOD HOPE.

## Pomology, Manufactured Products, Methods and Appliances, Floriculture.

### GROUP 21.

Exhibit No.	Class'n No.
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Cannell, H. & Sons. Trade mark, "Perfect Golden Seeds." We are the largest growers of the finest variety of seeds for the best kept gardens in the world, produced on the best spot in Europe (300 acres), Swanley, Kent, Eng. Illustrated catalogues free to coming customers. Seedsmen, nurserymen to nearly all the royal families in the world.	

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LOCATION—A-1 to 20.

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## Viticulture, Pomology, Manufactured Products, Methods and Appliances.

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## JAMAICA.

LOCATION—NORTH PAVILION.

Pomology, Floriculture, Culinary Vegetables, Seeds, Seed Raising, Etc.

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A. H. H. H.

## JAPAN.

Viticulture, Pomology, Floriculture, Culinary Vegetables, Seeds, Arboriculture.

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## LIBERIA.

Floriculture.

## Group 22.

Exhibit No.
1. Orchids.

Class'n No.
Nursery 149

## MEXICO.

## Viticulture, Pomology, Manufactured Products, Methods and Appliances.

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7. Gonzalez, L. G., Ojuelos. White wine.	126
8. Gutierrez y Ca., P., Mexico. Cognac.	131
9a. Madero & Co., Parras (Coahuila). a White wine.	126
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9. Martinez, Prisciliano, Queretaro. Red wine.	127
10. Medina y Ca., Juan M., Aguascalientes. a Red wine.	127
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(Exhibits in this group are located in N. Pavilion.)

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17. Aragon, Concepcion R de, Distrito. Federal jelly-like pastes.	141
18. Bennett y Compania, Lower California. Preserves and jellies.	141

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20. Carmona, Manuel, Coatepec. Jam.	141
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## Pomology, Floriculture, Culinary Vegetables, Seeds, Seed Raising, Miscellaneous.

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# NETHERLANDS.

## Viticulture, Floriculture, Arboriculture.

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2. Blauw, J., & Co., Boskoop.	Rhododendrons and azaleas.	Island.	150
3. Boskoop Nursery Ass'n, Boskoop.	a Roses.	Island	147
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	d Magnolias, clematis.		168
4. Jurgisson, Mr., Haarlem.	a Roses.	Island	147
	b Evergreen and ornamental shrubs.		157
5. Jurissen, Jac., & Son, Naarden.	a Roses.	Island	147
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## NEW SOUTH WALES.

LOCATION—V-5, B-37 AND F-71.

## Viticulture, Manufactured Products, Methods and Appliances.

## GROUP 20.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
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b Hermitage, red and malbec.	127	b Claret and muscat.	12
c Madeira.	128	13. Fallon, James T., Albury.	
2. Beattie, James, Wagga Wagga.		a Tokay, reisling, verdeilho, hock	
a Hermitage and dry hermitage.	127	heimer and aucarot.	12
b Madeira.	128	b Burgundy, shiraz, carbinet and	12
3. Bouffier Bros., Sydney.		muscat.	12
a Sauterne, chablis, hock and malaga.	126	14. Fiaschi, Thomas, M. D., Sydney.	
b Burgundy and claret.	127	a Photographs of Tizzana vineyard	
c Sherry and port.	128	and a selected grape cluster.	
4. Bray, Thomas, Corowa.		b White shirax.	12
a Hock, pedro ximenes, reisling.	126	c Hermitage, claret and vermouth	12
b Claret, burgundy, muscoket muscat	127	15. Frankland, G. J., Paterson.	
liqueur and muscat.	127	a Reisling.	12
c Port.	128	b Hermitage.	12
d Brandy.	131	c Madeira.	12
5. Brecht Bros. Denman.		16. Genty, L. T., Sydney. Brandy.	12
a White hermitage, muscatel, reis-	126	a Tokay, reisling and chablis.	12
ling, shiraz.	126	b Hermitage and claret.	12
b Claret and hermitage.	127	c Madeira.	12
c Sherry and port.	128	18. Gray, John Guthrie, Corowa.	
d Brandy.	131	a White wine.	12
6. Busch, William, Young.		b Malbec.	12
a Reisling.	126	19. Green, Walter C., Hunter River.	
b Hermitage and malbec.	127	a Shepherd's reisling.	12
c Madeira.	128	b Red hermitage and blend.	12
7. Caldwell & Co., Wagga Wagga.		20. Kelman, James Braxton, Hunter	
a Chablis, aucarot, reisling and ver-	126	River.	
deilho.	126	a White hermitage, reisling and hock	12
b Claret and shiraz.	127	b Red hermitage and claret.	12
8. Carmichael, G. T. & J. B., Seaham.		c Madeira.	12
Porphyry.	126	d Wine spirit.	12
9. Commissioners for New South Wales,		21. Kurtz, F., Duebo.	
Sydney. Grapes.	122	a Reisling.	12
10. Cousins, Walter Young, Singleton.		b Shiraz and malbec.	12
a Reisling, shiraz, hock, pedro and	126	c Madeira.	12
verdeilho.	126	22. Lang, John, Corowa.	
b Hermitage, malbec, claret, burgun-	127	a Aucarot, tokay, reisling and gouais.	12
dy, lambruscatu, verdot and mus-	127	b Muscat and shiraz.	12
c Dry sherry, sherry and port.	128	c Madeira and brown sherry.	12
d Brandy.	131	23. Lankaster, Alfred Ernest, Albury.	
11. Doyle, James F., Lochinvar.		a Aucarot.	12
a Kaludah, white.	126	b Carbinet, sauvignon and verdot.	12
b Kaludah, red.	127	24. Leslie, James C., Corowa. Shiraz.	12

## Viticulture, Pomology, Manufactured Products, Floriculture.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
25. Lindeman, Henry John, Sydney.		31. Wyndham, William, Inverell.	
a Photographs of Cawarra vineyard, Paterson river.	121	a Chablis, pineau and sweet white.	126
b Muscat, tokay, hock, verdeilho, reisling, sauterne, chablis and white hermitage.	126	b Claret, burgundy and sweet red.	127
c Claret, frontignac, carbinet, hermitage, burgundy, muscat and red hermitage.	127	c Madeira.	128
d Port and madeira.	128	<b>GROUP 21.</b>	
26. Mather, Thomas, Inverell.		32. Cleghorn, William, New England.	
a Pineau, verdeilho, tokay and shiraz.	126	Fruits.	136
b Hermitage and malbec.	127	33. Coleman Bros., Canterbury. Jams.	141
c Brandy.	181	34. Commissioners for New South Wales, Sydney.	
27. Osborne, John A., Inverell.		a Periodical shipments of New South Wales fruits in season.	136
a Hermitage and malbec.	127	b Nuts.	137
b Sherry.	128	c Collection of dried fruits.	139
28. Sanger, John Mildred, Corowa.		35. Faint, A. & J., New England. Fruits.	136
a Shiraz, reisling and auccarot.	126	36. Garrard, Henry, Grafton. Photograph of pine-apple plot.	136
b Brown muscatel and muscat of Alexandria.	127	37. Green, G. K., Tumut. Dried fruits.	139
29. Wyndham, Egbert, Inverell.		38. Hulks, Mrs. F. A., Bathurst. Preserved fruits.	140
a Pineau, sweet white, verdeilho and reisling.	126	39. Mitchell, J. L., New England.	
b Sweet red, blend, mataro, malbec, claret, hermitage and burgundy.	127	a Fruits.	136
c Sweet cherry.	128	b Jams.	141
d Brandy.	131	40. Squires, John, Penrith. Preserved fruits.	140
30. Wyndham, J., Trustees of the Estate of the late Dalwood, Braxton.		<b>GROUP 22.</b>	
a Reisling, pineau and shiraz.	126	41. Commissioners for New South Wales, Sydney.	
b Claret, burgundy and hermitage.	127	a Ferns and other typical plants of New South Wales.	160
c Sherry and port.	128	b Series of enlarged photographs, illustrating the Sydney Botany Gardens.	171

## PERU.

## LOCATION—S. PAVILION.

## Viticulture.

## GROUP 20.

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a White wine, dry.	126	a Vinho branco.	126
b Red wine, dry.	127	b Vinho tinto.	127
c Sweet wines.	128	c Vinho doce.	128
2. David Ribeiro dos Santos, Porto.		12. David Ribeiro dos Santos, Porto.	
a Vinho branco.	126	a Vinho branco.	126
b Vinho tinto.	127	b Vinho tinto.	127
c Vinho doce.	128	c Vinho doce.	128
3. Wiise & Krohn, Porto.		13. Francisco Cardoso Valente, Porto.	
a Vinho branco.	126	a Vinho branco.	126
b Vinho tinto.	127	b Vinho tinto.	127
c Vinho doce.	128	c Vinho doce.	128

## PORTUGAL

LOCATION—S. PAVILION AND GAL. L-2.

Viticulture, Manufactured Products, Methods and Appliances.

## GROUP 20.

Exhibit No.	Class No.
1. Affonso do Valle Coelho Pereira Cabral, Quinta do Cachao. Ports.	128
2. Alberto da Silva Nogueira, Porto. Ports.	128
3. Andresen, F. H., Porto.	
a White wines.	126
b Ports.	128
c Wine brandy.	131
4. Anto. Calt. Rodrigues, & Co., Porto.	
a Clarets and red wines.	127
b Ports.	128
5. Antonio Carlos Corria Pinto de Lemos, Douro. Ports.	128
6. Antonio da Rocha Leao, Porto. Ports.	128
7. Antonio Gomes da Silveira Barrosa, Porto.	
a White wines.	126
b Ports.	128
8. Antonio Joaquim Alves Valladares, Lisbon.	
a Red wines.	127
b Ports.	128
9. Augusto Cesar de Morades Campilho, Vidago. Red wine.	127
10. Augusto Teixeira de Souza, Porto. Ports.	128
11. Burmester, J. W., Porto. Ports.	128
12. Clemente, Menires & Fichos, Porto.	
a Red wine.	127
b Port.	128
12a. Cockburn, Smithes Co., Porto.	
a White wines.	126
b Ports.	128
13. Companhia Geral da Agricultura das Vinhas, Porto.	
a White wines.	126
b Ports.	128
14. Companhia Vinicola do Norte de Portugal, Porto.	
a White wines.	126
b Red wines.	127
c Ports.	128
d Dry wines.	129
15. David Riburo dos Tantos, Porto.	
a Red wine.	127
b Ports.	128
16. Francisco Cardoso Valente, Porto. Ports.	128

Exhibit No.	Class No.
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18. Joao da Caladine Macedo, Porto. Ports.	128
19. Josi Monteiro de Lima, Porto. Ports.	128
20. Kophe, C. N., & Co., Porto. Ports.	128
21. Mackenzie, Driscoll & Co., Porto. Ports.	128
22. Manuel d'Albuquerque, Porto. Ports.	128
23. Merines, Antonio Terreira, Porto.	
a White wines.	126
b Ports.	128
24. Miguel de Souza Guedes, Porto.	
a White wines.	126
b Ports.	128
25. Monteiro & Irmao, Porto. Ports.	128
26. Niepoort & Co., Porto. Ports.	128
27. Pinto dos Santos Iunid. Porto.	
a Clarets.	127
b Ports.	128
28. Pinto A. Ramos, Porto. Ports.	128
29. Rebello A. Valente Allen, Porto.	
a Clarets.	127
b Ports.	128
30. Riny Lopes de Souza (D), Porto.	
a White wines.	126
b Red wines.	127
c Ports.	128
31. Rocha F. da, Loao, Porto.	
a Red wines.	127
b Ports.	128
32. Robertson, Bros., & Co., Porto. Ports.	128
33. Romariz & Filho, Porto. Ports.	128
34. Sandeman & Co., Porto. Ports.	128
35. Velloso & Tait, Porto. Ports.	128
36. Visconde de Villarinho de S. Rorna, Porto.	
a White wines.	126
b Red wines.	127
c Ports.	128
37. Warre & Co., Porto. Ports.	128
38. William & George Tait, Porto. Ports.	128
39. Wilse & Krohn, Porto.	
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b Ports.	128

# RUSSIA.

LOCATION—S. PAVILION.

Viticulture, Pomology, Manufactured Products, Methods and Appliances.

## GROUP 20.

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b Red wines.	127
c Sparkling wines.	129
2. Annenkov.	
a White wines.	126
b Red wines.	127
3. Brazhikov. Sparkling wines.	129
4. Deroffnaiski.	
a White wines.	126
b Red wines.	127
5. Fedoseyev.	
a Grapes for drying.	124
b White wines.	126
c Red wines.	127
6. Godzhev.	
a White wines.	126
b Red wines.	127
7. Gailov.	
a White wines.	126
b Red wines.	127
8. Imperial. Cognac.	131
9. Imperial Nikitsk Botanical Garden.	
a White wines.	126
b Red wines.	127
10. Kempner.	
a White wines.	126
b Red wines.	127
c Cognac.	131
11. Kevorkof.	
a White wines.	126
b Red wines.	127
12. Komarov. Apparatus for bottling wine.	130
13. Lanin. Sparkling wines.	129
14. Le Dant.	
a White wines.	126
b Sherries, Madeira, port.	128
15. Leonard.	
a White wines.	126
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16. Lysenko.	
a White wines.	126
b Red wines.	127
c Sparkling wines.	129
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Exhibit No.	Class'n No.
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a White wines.	126
b Red wines.	127
19. Niazants. Red wines.	127
20. Saradjeo. Cognac.	131
21. Smirnov.	
a White wines.	126
b Red wines.	127
22. Sogomonov. Cognac.	131
23. Sokolov.	
a White wines.	126
b Red wines.	127
c Sparkling wines.	129
24. Stahl Bros.	
a White wines.	126
b Red wines.	127
c Sparkling wines.	129
25. Tatusov.	
a White wines.	126
b Red wines.	127
c Sparkling wines.	129
26. Ter Arutinov.	
a White wines.	126
b Red wines.	127
27. Tomulets.	
a White wines.	126
b Red wines.	127
28. Tripolski. White wines.	126
29. Ivanov.	
a White wines.	126
b Red wines.	127
c Brandy.	131
30. Vishniakov, V. & Co.	
a White wines.	126
b Red wines.	127
c Sparkling wines.	129
31. Winery Co., Odessa. Sparkling wines.	129

## GROUP 21.

32. Derozhinski. Dried fruits.	139
33. Gailov. Dried prunes.	139
34. Kolakovski. Dried fruits.	139
35. Ministry of State Domains. Wax models of fruits.	138
36. Prokhorov. Preserved fruits.	140
37. Schonhof. Fruit wine.	143
38. Ter lossinants. Canned fruits.	140
39. Volgin. Preserves.	140

## Floriculture, Culinary Vegetables, Appliances, Methods, Etc.

GROUP 22.			Exhibit No.	Class'n No.
Exhibit No.		Class'n No.		
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GROUP 23.			44. Roman. Preserved vegetables.	176
40. Koknev. Dried vegetables.		176	45. Volgin. Preserved tomatoes.	176
41. Kolakovski. Dried vegetables.		176	46. Wulf. Mustard.	177
42. Ministry of State Domains. Models of vegetables.		172	GROUP 26.	
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## SPAIN.

## LOCATION—S. PAVILION.

## Viticulture, Manufactured Products, Methods and Appliances.

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Exhibit No.		Class'n No.		
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2. Abadia, Luis, Allo. a Red wine.		127	19. Albert Paya, Graciano, Pinoso. Red wine.	127
b Brandy.		131	20. Albert Paya, Luis, Pinoso. Red wine.	127
3. Abadia Rome, Francisco, Antillon. Red wine.		127	21. Albert Paya, Superancio, Pinoso. Red wine.	127
4. Abalos, Town of, Lógrono. Red wine.		127	22. Albert Perez, Juan. Red wine.	127
5. Abellana Cancer, Jose, Peralta de Alcolea. Red wine.		127	23. Albert Tortosa, Antonio, Pinoso. Red wine.	127
6. Ade Sanz, Francisco, Blecua. Red wine.		127	24. Albert Verdu, Ceferino, Pinoso. Red wine.	127
7. Adrian, Miguel, Melida. Red wine.		127	25. Albert Verdu, Jose, Pinoso. Red wine.	127
8. Agricultural Association, Igualada. Red wine.		127	26. Albert Verdu, Juan, Pinoso. Red wine.	127
9. Agricultural Society, Valls. Red wine.		127	27. Albert Verdu, Vicente, Pinoso. Red wine.	127
10. Aguado, Jeronimo, Murchante. Red wine.		127	28. Alcalde, Clemente, Falces. Red wine.	127
11. Agudo, Domingo, Pamplona. Red wine.		127	29. Alcanices, Marques de, Cadreida. a White wine.	126
12. Aguirrebarrena, Pedro, San Martin de Oux. Brandy.		131	b Red wine.	127
13. Aisa, Diego, Loporzano. Red wine.		127	30. Aldaba, Francisco, Pamplona. Red wine.	127
14. Aisa, Julio, Ablitas. Red wine.		127	31. Aldasoro, Esteban, Estella. Red wine.	127
15. Alberola, Rafael, Cuatretonda. Red wine.		127	32. Aldave, Angel, Muruzabal. Red wine.	127
16. Albert, Mira, Pancides, Pinoso. Red wine.		127	33. Aldave, Mónico, Puente la Reina. Red wine.	127
17. Albert Mira, Remedios, Pinoso. Red wine.		127	34. Aldaz, Gabriel, Eueris. Red wine.	127

## Viticulure, Manufactured Products, Methods and Appliances.

Exhibit No.	Class No.	Exhibit No.	Class No.
35. Aldaz, Nicolas, Ansoberbe. Red wine.	127	62. Amoros Ferris, Joaquín, Villena.	126
		a White wine.	126
36. Aldas, Salisero, Anacleto, Burgos. Red wine.	127	b Red wine.	127
37. Alduan, Urbano, Cintruénigo. Red wine.	127	63. Amategui, Manuel, Dicastillo. Red wine.	127
38. Alegria, Ruiz, Jose, Ablitas. Red wine.	127	64. Amparo, Marques del, Puente la Reina. Red wine.	127
39. Alella, Marques de, Barcelona.		65. Andeiza, Miguel, Otter. Red wine.	127
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b Red wine.	127	66. Andin, Alfonso, Murillo el Cuende. Red wine.	127
40. Alfaro, Francisco, Carcastillo. Red wine.	127	67. Andrea, Cirilo, Bitero. Red wine.	127
41. Algarra, Andres, Caseta. Red wine.	127	68. Anton, Juan de Dios, Lodosa. Red wine.	127
		69. Anton y Ferrandiz, Felipe, Muchamiel. Red wine.	127
42. Allo, Eulogio de, Cascante. Red wine.	127	70. Anton y Ferrandiz, Francisco, Muchamiel. Red wine.	127
43. Albe Bibian, Antonio, Belaitas. Red wine.	127	71. Apellaniz, Felix, Cirauqui. Red wine.	127
44. Albe Gota, Jose, Blecua. Red wine.	127	72. Apestegui, Dimas, Cirauqui. Red wine.	127
45. Almirall, Viuda de, Sitges. Red wine.	127	73. Aranda, Gaspar de, Jerez de la Frontera. Sherry.	128
46. Almondevar, Francisca, Huesca.		74. Aranda, Martin, Diego, Casasola. Red wine.	127
a White wine.	126	75. Aranda, Tomas, Villafranca. Red wine.	127
b Red wine.	127	76. Aranza, Jose Maria, Abarzuza. Red wine.	127
47. Almondevar, Jose, Loporzano. Red wine.	127	77. Aranzadi, Estanislao, Bargota. Red wine.	127
48. Almondevar, Manuel, Sietamo. Red wine.	127	78. Aranzagui, Jose Maria, Estella. Red wine.	127
49. Almonia, Eduardo, Alcoy. Red wine.	127	79. Arbeloa, Angel, Dicastillo. Red wine.	127
50. Alonso, Hermano, E. Torre de Esteban Hambran. Red wine.	127	80. Arbeloa, Damian, Dicastillo. Red wine.	127
51. Altabas, Pascual, Dicastillo. Red wine.	127	81. Arbeloa, Pedro, Dicastillo. Red wine.	127
52. Altamir, Fernando, Sarinena. Red wine.	127	82. Arcos y Ruiz, Bernardino, Abalos. Red wine.	127
53. Alvarez, Benito, Alcubierre. Red wine.	127	83. Ardaiz, Francisco, Obanos. Red wine.	127
54. Alvarez de Coinas, Jose. Red wine.	127	84. Ardaiz, Santos, Cascante. Red wine.	127
55. Alvarez, Juan, Lumbier. Red wine.	127	85. Ardanaz, Segundo, Murillo el Cuende. Red wine.	127
56. Alvarez Viuda de, Logrono. Red wine.	127	86. Ardanuy, Jose, Barasona. Red wine.	127
57. Alvarez y Lacassaigne, Jose, Barcelona.		87. Arguedas, Joaquin, Tudela. Red wine.	127
a White wine.	126	88. Arguinano, Juan, Estella. Red wine.	127
b Red wine.	127	89. Arguinano, Pablo, Estella.	
58. Alvarez y Verdaguer, Luis, Barcelona. White wine.	126	a Red wine.	127
59. Amatrain, Miguel, San Adrian. Red wine.	127	b Anisado.	131
60. Amo y Rodriguez, Bernardino, Nava del Rey. White wine.	126	90. Arias Bayon, Dionisio, Sietaglesima.	
61. Amoros, Cristobal, Villena.		a Red wine.	127
a Red wine.	127	b Anis of wine.	131
b Anis of wine.	131		

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a Red wine.	127	Brandy.	131
b Brandy	131	122. Azara, Asuncion Maria del Pilar	
92. Arizaleta, Francisco, Ciranqui.	127	Barbunales. Red wine.	127
wine.	127	123. Azcarate, Basilio, Olite. Red wine.	127
93. Arjona, Viuda de Rafael, Navatrete.	127	124. Azcarate, Jose Maria, Aibar. Red	
Red wine.	127	wine.	127
94. Armendariz, Eduardo, Muruzabal.	127	125. Azcarate, Julian, Tirapu. Red wine.	127
Red wine.	127	126. Azcona, Gabriela, Dicastillo. Red	
95. Armendariz, Esteban, Arraiza. Red		wine.	127
wine.	127	127. Azcona, Manuel, Villafranca. Red	
96. Armendariz, Juan Jose, Cintruenigo.	127	wine.	127
Red wine.	127	128. Azcona, Miguel, Estella. Red wine.	127
97. Armendariz, Manuel, Cintruenigo.	127	129. Azcona, Pedro, Dicastillo. Red	
Red wine.	127	wine.	127
98. Armendariz, Pascual, Artazu. Red		130. Aznarez, Paulino, Zarocotin. Red	
wine.	127	wine.	127
99. Armendariz, Pedro, Echauri. Red		131. Asplicueta y Martinez, Felix, Fuen-	
wine.	127	mayor. Red wine.	127
100. Armendariz, Viuda de, Obanos. Red		132. Azpiroz, Domingo, Manera. Red	
wine.	127	wine.	127
101. Arnal, Antonio, Igries. Red wine.	127	133. Aspitueta, Jose Maria, Morentia.	
102. Arnal Broto, Pedro, Huerta de Vero.		Red wine.	127
Red wine.	127	134. Bacaicoa, Tomas, Estella. Red	
103. Arnedo Ocon, Alejo, Aldeanueva de		wine.	127
Ebro. Red wine.	127	135. Bacigalupe, Angel, Sansol. Red	
104. Arraiza y Orambela, Pedro Jose,		wine.	127
Pamplona. Red wine.	127	136. Baigorri, Francisco, Monteagudo.	
105. Arregui, Joaquin, Robres. Red wine.	127	Red wine.	127
106. Arriaza, Antonio, Ablitas. Red		137. Bairan, Fabriciano, Lumbier. Red	
wine.	127	wine.	127
107. Arrondo, Juan, Fustinana. Red wine.	127	138. Beceda, Gabriel, Banos. Red wine.	127
108. Artacho y Artacho, Santiago, Cenicero.		Red wine.	127
Red wine.	127	139. Bellido, Celestino, Ablitas. Red	
109. Artazu, Town of, Navarra. Red		wine.	127
wine.	127	140. Bellod, Martin, Villena. Red wine.	127
110. Arzala, Herederos de, Villafranca.		141. Belloso, Felipe, Banos. Red wine.	127
Red wine.	127	142. Belmonte Grande, Juan, Albacete.	
111. Asuncion, Jose, Allo. Red wine.	127	Red wine.	127
112. Asensio Alvarez, Vicente, Fuen-		143. Belzunce, Francisco, Mendigorria	
mayor. Red wine.	127	Red wine.	127
113. Asin, Ignacio, Peralta. Red wine.	127	144. Benal y Garcia, Lorenzo, Valladolid.	
114. Asin Pena, Joaquin, Antillon. Red		Anise brandy.	131
wine.	127	145. Benavent, Constantino, Albaida.	
115. Astrain, Francisco, Tafalla. Red		Red wine.	127
wine.	127	146. Benedet, Domingo, Sietamo. Red	
116. Asuar, Blanes, Rafael, Pinoso. Red		wine.	127
wine.	127	147. Benedet, Leon, Angues. Red wine.	127
117. Avedillo, Bernardo, Moraleja del		148. Bengochea, Ventura, Artazu. Red	
Vino. Red wine.	127	wine.	127
118. Ayerbe, Antonio, Colungo. Red		149. Berenguer, Vidal, Francisco, Pinoso.	
wine.	127	Red wine.	127
119. Ayesa, Francisco, Sada. Red wine.	127	150. Berenguer y Riera, Salvador, Artes.	
120. Azagra, Town of, Navarra. Red		Red wine.	127
wine.	127		

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152. Berge Quer, Alejandro, Barcelona. Red wine.	127	179. Boran, Sebastian, Liesa. Red wine.	127
153. Berain, Candido, Estava. Red wine.	127	180. Bordallo y Visado, Federico, Madrid. a White wine.	126
154. Berain, Santos, Ocar. Red wine.	127	180. Bordallo y Visado, Federico, Madrid. b Red wine.	127
155. Berain, Viuda de Adios. Red wine.	127	181. Bordallo y Visado, Federico, Agost. Red wine.	127
156. Bermejo, Gregorio, Peralta. Red wine.	127	182. Bordonava, Felipe, Tudela. Red wine.	127
157. Bernal y Garcia, Lorenza, Valladolid. Anise brandy.	131	183. Borja, Town of. a Red wine.	127
157. Berruga Galiano, Juan Jose, Albacete. a White wine.	126	183. Borja, Town of. b Anise brandy.	131
158. Bertran y Miret, Jose y Francisco, San Pedro de Rivas. Red wine.	127	184. Bosch y Hermano, Jose, Badalona. Anise brandy.	131
159. Bernete, Bruno, Estella. Red wine.	127	185. Bosch y Vietti, Martin, Barcelona. Anise brandy.	131
160. Bescos, Joaquin, Liesa. Red wine.	127	186. Boulé Moncet, Jose, Reus. Red wine.	127
161. Bestard e Hijos, Andres, Santa Maria de Mallorca. Anise brandy.	131	187. Breton Falcon, Martin, Aldeanueva de Ebro. Red wine.	127
162. Betored, Ramon, Liesa. Red wine.	127	188. Breton, Javier, Tafolla. Red wine.	127
163. Betran Viu, Jose, Liesa. Red wine.	127	189. Briones y Briones, Jose Maria, Navarrette. Red wine.	127
164. Biosca Dinkowitz, J. Barcelona. Red wine.	127	190. Bueno Hermanos, Jose, Malaga. a Red wine.	127
165. Biarrun, Antonio, Peralta. Red wine.	127	190. Bueno Hermanos, Jose, Malaga. b Brandy.	131
166. Biarrun, Saturnino. Biarrun. Red wine.	127	191. Bueso y Lardies, Gabriel, Vitoria. Red wine.	127
167. Blanco Alcalde, Hijos de R. Cabra. a Red wine.	127	192. Buffa, Andres, Torres del Obispo. Red wine.	127
168. Blanco, Feliciano, San Asensio. Red wine.	127	193. Burrell Lapiana, Manuel, Torres del Obispo. Red wine.	127
169. Blanco Trel, Andres, Torres del Obispo. Anise brandy.	131	194. Burrell Subira, Mariano, Torres del Obispo. Red wine.	127
170. Blanes Esteve, Bruno, Pinos. Red wine.	127	195. Buscato y Sastre, Barcelona. Red wine.	127
171. Blasco, Ramon, Igries. Red wine.	127	196. Baldellon, Ramon, Agninalui. Red wine.	127
172. Blas y Lador de Guevara, Pedro. Quel. Anise brandy.	131	197. Baldovinos, Domingo, Blecua. Red wine.	127
173. Boira, Evaristo. Antillon. Red wine.	127	198. Ballarin Escario, Vicente, Belillas. Red wine.	127
174. Boira Vica, Julian. Antillon. Red wine.	127	199. Ballarin, Mateo, Belillas. Red wine.	127
175. Bon, Eustaquio, Puente la Reina. Red wine.	127	200. Ballester, Felix, Villanueva y Geltru. Red wine.	127
176. Bona, Antonio, Tudela. Red wine.	127	201. Ballester y Marques, Pelegrin, Villanueva y Geltru. Red wine.	127
177. Bonastre, Ricardo, Villena. Red wine.	127	202. Balta de Cela, Jose, Villafranca del Panades. Red wine.	127
		203. Banares Sierra, Tiburcio, Navarrete. Red wine.	127
		204. Banos, Condesa de, Banos de Rioja. Red wine.	127
		205. Baquedano, Trifon, Sansol. Red wine.	127

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207. Barbarin, Bonifacio, Arroniz.	Red wine. 127	234. Calvo Carbon, Jose, Peralta de Alcolea.	Red wine. 127
208. Barbarin, Martin, Morentin.	Red wine. 127	235. Calvo, Jose, Alcubierre.	Red wine. 127
209. Barbarin, Venancio, Dicastillo.	Red wine. 127	236. Calvo, Ignacio, Angues.	Red wine. 127
210. Barbera Falco, Jose, Valencia.	Red wine. 127	237. Calvo, Manuel, Angues.	Red wine. 127
211. Barcelo Montllor, Jose, Alcoy.	Red wine. 127	238. Camara y Argueso, Marcial de la Valenzuela.	Red wine. 127
212. Barcelo y Torres, Malaga.	a Red wine. 127 b Cognac. 131	239. Cambra Nadal, Mariano, Peralta de Alcolea.	Red wine. 127
213. Bardaji, Isidoro, Angues.	Red wine. 137	240. Caminero y Compania, Angel, Valdepenas.	Red wine. 127
214. Barrera, Nicolas, Autol.	Red wine. 127	241. Campo Marquina, Domingo del, Cenicero.	Red wine. 127
215. Barrio y Ruiz Vidal Rafael, Madrid.	Red wine. 127	242. Campos Alfaro, Tomas, Albacete.	Red wine. 127
216. Barta, Martin, Sietamo.	Red wine. 127	243. Casado, Santiago, Ollauri.	Red wine. 137
217. Bascos, Sebastian, Huesca.	Red wine. 127	244. Cantalapiedra y Cantalapiedra, Francisco, La Seca.	White wine. 126
218. Batlle y Forment, Rafael, Sitges.	Red wine. 127	245. Cantalapiedra Lorenzo, Mariano, La Seca.	White wine. 126
219. Baudeson y Machado, Luis, Madrid.	Red wine. 127	246. Canto Agullo, Eugenio, Alcoy.	Red wine. 127
220. Bayon de Bayon, Delfin, La Seca.	White wine. 126	247. Canto, Evaristo, Castellon de Rugat.	Red wine. 127
221. Bayon, Montero, Santiago, Rueda.	Red wine. 127	248. Caravantes y Compania, M. Valdepenas.	a White wine. 126 b Red wine. 127
222. Bayon Paz, Claudio, Valladolid.	Red wine. 127	249. Carbonell y Mila, Jose, Sitges.	Red wine. 127
222a. Baztan, Candido, Dicastillo.	Red wine. 127	250. Carcer, Hijo de Francisco, Malaga.	a Malaga. 126 b Sweet Malaga, and Lachryma Christi. 127
223. Cabezas Hermanos, Valdepenas.	a White wine. 126 b Red wine. 127 c Madeira. 128	251. Carilla, Jose, Sietamo.	Red wine. 137
224. Cabeza de Vaca y Alonso, Francisco, Valladolid.	Red wine. 127	252. Caro, Nemesio, Cirauqui.	Red wine. 127
225. Cabezudo, Eduardo, Tafalla.	Red wine. 127	253. Carrau, Juan, Vilasar de Mar.	a Red wine. 127 b Oporto. 128 c Oak casks. 130
226. Cadarso, Juan, Viana.	Red wine. 127	254. Carreras, Baudilio, Barcelona.	Red wine. 137
227. Cajal, Lorenzo, Alcubierre.	Red wine. 127	255. Carrillo, Robustiano, Fitero.	Red wine. 137
228. Cajigos, Bernardino, Barbunales.	Red wine. 127	256. Carrion Garcia, Jose, Villena.	Red wine. 137
229. Calderon, Hijos de, Palencia.	Red wine. 127	257. Carsuesco Bual, Victoriano, Bessen.	Red wine. 127
230. Calleja Garcia, Juan, Arganda.	Red wine. 127	258. Carsuesco, Rafael, Angues.	Red wine. 127
231. Calleja Leandro, Fitero.	Red wine. 127		
232. Calleja, Alba, Roman, Briones.	Red wine. 127		

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230. Casamayor, Teodoro, Alcubierre. Red wine.	127
231. Casanas y Gonzalez, Antonio Maria, Villa de la Orotava. Red wine.	127
232. Casanova, Manuel, Monforte. Red wine.	127
233. Casciaro y Lobato, Pedro, Cartagena. a Red wine.	127
b Anise brandy.	131
234. Castan, Vicente, Barasona. Red wine.	127
235. Castanera, Antonio, Sarinena. Red wine.	127
236. Castellanos y Trujillo, Rogelio, Miguelturna. a White wine.	126
b Red wine.	127
237. Castellon Abad, Antonio, Torres del Obispo. Red wine.	127
238. Castilla, Camilo, Corella. Red wine.	127
239. Castillo y Garcia, Patricio del, Al-mendralego. a White wine.	126
b Red wine.	127
240. Castro Alonso, Felix, Pozaldez. Red wine.	127
241. Catasus, Antonio, Sitges. Red wine.	127
242. Catasus y Olivella, Juan, Sitges. Red wine.	127
243. Ceballos, Luis, San Asensio. Red wine.	127
244. Ceballos, Toribio, San Asensio. Red wine.	127
245. Cebollero Escario, Francisco, Pon-zano. Red wine.	127
246. Cebollero Seral, Hilario, Antillón. Red wine.	127
247. Cebrian Carrasco, Francisco, Al-ba-cete. Red wine.	127
248. Cebrian, Emilio, Arganda. Red wine.	127
249. Cebrian Salvanes, Jose, Arganda. Red wine.	127
250. Cereza, Francisco, Colungo. Red wine.	127
251. Ceruelo y Obispo, José, Madrid. Red wine.	127
252. Chezo, Francisco, Sesma. Red wine.	127
253. Chorro y Morillo, Luis, Cádiz. a Muscatel.	127
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254. Chulvi Catala, Juan Bautista, Javea. White wine.	126
255. Cia, Felix, Maneru. Red wine.	127

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287. Ciganda, Eloy, Puente la Reina. Red wine.	127
288. Cinto, Jimenez, Ignacio, Ayerbe. a Red wine.	127
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289. Ciordia, Benito, Carcar. Red wine.	127
290. Ciordia, Ildefonso, Carcar. Red wine.	127
291. Cirat y Villafranqueza, Conde de, Haro. Red wine.	127
292. Cirauqui, Asuncion, Funes. Red wine.	127
293. Cirauqui, Santiago, Funes. Red wine.	127
294. Ciriza, Casildo, Artazu. Red wine.	127
295. Ciriza, Tomas, Maneru. Red wine.	127
296. Cisneros de la Nueva, Tomas, San Martin de Valdeiglesias. a White wine.	126
b Red wine.	127
297. Clavo Hernandez, Emilio, Arganda. Red wine.	127
298. Cobo y Ortiz, Jose, Requena. Red wine.	127
299. Cobos Martin, Maria, Rueda. Red wine.	127
300. Codinach Casajuana, Jose, Artes. Red wine.	127
301. Colomina, Andres, Aguinalui. Red wine.	127
302. Coll de Baldrich, Juan Ramon, Valls. Red wine.	127
303. Collado Fernandez, Leonardo, Pin-oso. Red wine.	127
304. Comellas y Pascual, Jose, Castellbis-bal. Red wine.	127
305. Company, Brugues, Gali y Vidal, Barcelona. Casks and demijohns.	130
306. Company, Brugues, Gali y Vidal, Barcelona. Red wines.	127
307. Compania Vinicola del Norte de España, Bilbao. a White wine.	126
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308. Conde Ombuena, Antonio. Cazalla de la Sierra. Brandy.	131
309. Comesa y Compania, Pedro, Vilena. Red wine.	127
310. Conte Paul, Rafael, Angues. Red wine.	127
311. Corbillas, Jose Maria, Benabarre. Red wine.	127
312. Cornejo y Compania, Vicente, Valde-penas. Red wine.	127

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314. Corral y Peiro, Sacedon. Red wine.	127	343. Dominguez, Silverio, Mendigoria. Red wine.	127
a Red wine.	127	344. Dominguez, Telesforo, Tafalla. Red wine.	127
b Anise brandy.	181	a Red wine.	127
315. Corral y Romero, Nicomedes, Miguelturra. White wine.	126	b Brandy.	181
316. Cortes de Lemus, Jose Guarena. White wine.	126	345. Dotres, Thibaut, Luis, Arganda. Red wine.	127
317. Cosculluela, Mariano, Salas Altas. Red wine.	127	346. Duff, Gordon y Compania, Puerto de Santa Maria. Sherry.	128
318. Creus y Corominas, Teodoro, Villanueva y Geltru. Red wine.	127	347. Echarrri, Domingo, Aberin. Red wine.	127
319. Creus y Rovira, Jose, Bruch. Red wine.	127	348. Echarrri, Petronio, Olite. Red wine.	127
320. Cruz Moreno, Juan, Torres. Red wine.	127	349. Echarte Fermin, Legarda. Red wine.	127
321. Cruz Escobar, Juan J. de la, La Roda. Red wine.	127	350. Echarte, Jose, Arroniz. Red wine.	127
322. Cruz Navarro, Andres, Daroca. Red wine.	127	351. Echarte, Miguel, Legarda. Red wine.	127
a White wine.	126	352. Echaui, Esteban, Obanos. Red wine.	127
b Red wine.	127	353. Echaui, Lucio, Artazu. Red wine.	127
323. Cubero, Francisco Cascante. Red wine.	127	354. Echevarria, Benito, Echarren. Red wine.	127
324. Cuesta, Gil de la, Briones. Red wine.	127	355. Echeverria, Bernardo, Adios. Red wine.	127
325. Cusano, Marques de, Madrid. Red wine.	127	356. Echeverria, Dionisio, Adios. Red wine.	127
326. Dalmau y de Querol, Luis de, Sitges. Malvoisie.	127	357. Echeverria, Isidro, Adios. Red wine.	127
327. Daoiz, Maria, Ablltas. Red wine.	127	358. Echeverria, Modesto, Ciranqui. Red wine.	127
328. Dean, Vicente, San Martin de Oux. Brandy.	181	359. Echeverria, Rodrigo, Adios. Red wine.	127
329. Debesa, Ramon, Monteagudo. Red wine.	127	360. Echeverria, Vicente, Enariz. Red wine.	127
330. Desofo, Matias, El Busto. Red wine.	127	361. Egza, Manuel, Falces. Red wine.	127
331. Diaz, Bernardino, Funes. Red wine.	127	362. Egozcue, del Pozo Manuel, Barcelona. Red wine.	127
332. Diaz de Rada, Andres, Carcar. Red wine.	127	363. Eguaras, Francisco, Tabar. Red wine.	127
333. Diaz de Rada, Pio, Andosilla. Red wine.	127	364. Eguilaz, Antonio, Aparzuza. Red wine.	127
334. Diaz, Juan Antonio, Arganda. Red wine.	127	365. Eguilaz, Jose, Abarzuza. Red wine.	127
335. Diesta Marcellan, Antonio, Junzano. Red wine.	127	366. Eguilaz, Manuel, Obanos. Red wine.	127
336. Diez Hermanos, Jerez de la Frontera. Red wine.	127	367. Eguilaz, Ramon, Obanos. Red wine.	127
337. Diez. Severino, Falces. Red wine.	127	368. Eguilaz, Tomas, Ciranqui. Red wine.	127
338. Dihua, Pascual, Pamplona. Red wine.	127	369. Elemos, Antonino, Tudela. Red wine.	127
339. Dinau Breva, Gifberto, Valencia. Red wine.	127	370. Elias y Puig, Vicente, Castellbisbal. Red wine.	127
340. Domeno, Ramon, Aibar. Red wine.	127		
341. Domerain, Patricio, Puente la Reina. Red wine.	127		

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375.		Eraso, Jeronimo, Salinas de Oro. Red wine. 127
376.		Eraso, Jose, Zabalza. Red wine. 127
377.		Eraso, Juan, Artazu y Maneru. Red wine. 127
378.		Eraso, Salvador, Olite. Red wine. 127
379.		Erdozain, Matias, Dicastillo. Red wine. 127
380.		Erice, Antonio, Pamplona. Red wine. 127
381.		Erice, Cirilo, Burlada. Red wine. 127
382.		Escobar, Angel, La Roda. Red wine. 127
383.		Escobar, Jose Ramon, La Roda. Red wine. 127
384.		Escobar y Portillo, Eduardo, Rubrilos Bajos. Red wine. 127
385.		Escobano, Antonio, Murchante. Red wine. 127
386.		Escobano y Mayo, Jose Francisco, Vinaroz. Red wine. 127
387.		Escobano, Zacarias, Aclitas. Red wine. 127
388.		Esquerri, Hilario, Murillo el Fruto. Red wine. 127
389.		Esclava, Alejo, Pamplona. Red wine. 127
390.		Esclava, Andres, Barasoain. Red wine. 127
391.		Esclava, Jose Maria, Tabat. Red wine. 127
392.		Esclava, Jose, Valtierra. Red wine. 127
393.		Esclava, Rufino, Valtierra. Red wine. 127
394.		Esparza, Alejo, Aibar. Wine. 127
395.		Esparza, Cruz, San Adrian. Red wine. 127
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397.		Esparza, Guernesiado, San Adrian. Red wine. 127
398.		Esparza, Juan, Melida. Red wine. 127
399.		Esparza, Juan Martin, San Adrian. Red wine. 127
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404.		Estella, Antso, Obanos. Red wine. 127
405.		Esteller, Pronencia, Mammel, Vinaroz. Red wine. 127
406.		Esteller y Gaudet, Gerardo, Valencia. Red wine. 127
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409.		Escat y Compania, Barcelona. Anise brandy. 131
410.		Escobar y Portillo, Eduardo, Rubrilos Bajos. Red wine. 126
411.		Estevanez Delgado, Buenaventura, La Seca. White wine. 126
412.		Facerias, Cayetano, Benabarre. Red wine. 127
413.		Fajardo, Eduardo, Malaga. Red wine. 127
414.		Falces, H., Fitero. Brandy. 131
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418.		Feliu y Compania, Jose Maria, Barcelona. Red wine. 127
419.		Fello y Olivella, Pablo, Barcelona. Red wine. 127
420.		Felix de Vargas, Braillo, Rueda. White wine. 126
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436.		Fernandez, Jacinto, Villarrobledo. 126
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437.		Fernandez, Juan, Viana. Red wine. 127
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483. Garate, Damian, Lumbier. Red wine.	127
484. Garayoa, Marcelino, Aibar. Red wine.	127
485. Garbayo, Jose, Lodosa. Brandy.	131
486. Garcés de los Fayos, Felipe, Tafalla. Red wine.	127
487. Garcia Alonso, Manuel, Torre de Esteban, Hambrau. Red wine.	127
488. Garcia, Angel, San Adrian. Red wine.	127
489. Garcia Baquero, Toribio, Briones. Red wine.	127
490. Garcia Campo, Mariano, Arganda. Red wine.	127
491. Garcia Casado, Manuel, Simantas. Red wine.	127
492. Garcia Castilla, Raimundo, Burgos. White wine.	126
493. Garcia Cid, Saturnina, Haró. Red wine.	127
494. Garcia Cortes, Manuel, Torre de Esteban Hambran. Red wine.	127
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499. Garcia Faria, Ascensio, Barcelona. Red wine.	127
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502. Garcia, Florentino, Tabar. Red wine.	127
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509. Garcia Sanchez Gabriel, Albacete. White wine.	126
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511. Garcia y Hermanos, Mauro, Valladolid.	
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512. Garde, Alejandro, Melida. Red wine.	127
513. Garriga, Benito, Pastriz. Brandy.	181
514. Garro, Dionisio, Monteagudo. Red wine.	127
515. Gaschen y Compania, Alfredo, San Martin de Provencals. Red wines.	127
516. Gavari, Tomas, Murillo el Fruto. Red wine.	127
517. Gaztelu, Eusebio, Eperiz. Red wine.	127
518. Gella Sanjo, Angel, Ayerbe. Red wine.	127
519. Gil, Melchora, Aibar. Red wine.	127
520. Gil Ramirez, Mariano, San Vicente, de la Sonsierra. Red wine.	127
521. Gimenez, Atanasio, Fitero. Red wine.	127
522. Gimenez, Babil, Tafalla. Red wine.	127
523. Gimenez Davila, Ramon, Puerto de Santa Maria. Sherry.	128
524. Gimenez Escribano, Ceferino, Albacete. Red wine.	127
525. Gimenez, Juan Antonio, Penas de San Pedro. Red wine.	127
526. Gimenez, Lopez, Alejandro, Penas de San Pedro. Red wine.	127
527. Gimenez, Manuel, Autol. Red wine.	127
528. Gimenez, Romeo, Lorenzo, Ayerbe. Red wine.	127
529. Gimenez Varela, Ramon, Puerto de Santa Maria. Sherry.	128
530. Gimenez, Victor, Dicastillo. Red wine.	127
531. Giraldo Crespo, Eusebio, Medina del Campo.	
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533. Girona, Ignacio, Barcelona. Red wine.	127

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Red wine.	127	Red wine.	127
536. Girones Salazar, Cristobal, Alcoy.	127	565. Gudel, Francisco, Olivena. Red wine.	127
Red wine.	127		127
537. Gispert y Pujols, Manuel, Barcelona.	127	566. Guellbenzu, Hijos de, Cascanes. Red wine.	127
Red wine.	127	wine.	127
538. Goicoechea, Eulogio, Murillo. Red wine.	127	567. Guell, Eusebio, Barcelona. Brandy.	127
539. Goicoechea, Longinos, Arandigoyen. Red wine.	127	568. Guembe, Teodoro, San Martin de Oux. Red wine.	127
540. Goizueta, Eladio, Peralta. Red wine.	127	569. Guendulain, Condesa Viuda de, Tallala. Red wine.	127
541. Goizueta, Joaquin, Estella. Red wine.	127	570. Guillen, Bernardo, Peralta de Alcolea. Red wine.	127
542. Goizueta, Juan, Puente la Reina. Red wine.	127	571. Guillen, Pedro, Salas Altas. Red wine.	127
543. Gomez, German, Torres. Red wine.	127	572. Guille y Cassanes, Viuda e Hijos de R., Barcelona.	126
544. Gomez Gonzalez, Jose, Valladolid. Red wine.	127	a White wine.	126
545. Gomez, Roberto, Estella. Red wine.	127	b Red wine.	127
546. Gomez Romero, Lucas, Miguelturra.	126	c White and red ports.	128
a White wine.	126	573. Guiral Olivan, Evaristo, Bleca. Red wine.	127
b Red wine.	127	574. Guirguillans, Town of, Navarra. Red wine.	127
547. Gonzalez, Ciriaco, Villa de la Ortava. Red wine.	127	575. Gullon, Jose, Villarrobledo. Red wine.	127
548. Gonzalez Corral, Antonio, Miguelturra. Red wine.	127	576. Gumiel y Garcia, Luis, Aspe. Red wine.	127
559. Gonzalez de Villazon, Gumersindo, Mendigorria. Red wine.	127	577. Gumma y Vinas, Barcelona. Red wine.	127
450. Gonzalez Moreno, Juan Bautista, Briones. Red wine.	127	578. Gusi de Bosarull, Francisco, Barcelona. White wine.	126
551. Gonzalez Pena, Nicolas, Valladolid. Red wine.	127	579. Gutierrez Ceballos, Lorenzo, Valdepenas.	126
552. Gonzalez Romero, Antonio, Almansa. Red wine.	127	a White wine.	126
553. Gonzalez Sandoval, Federico, Cuenca. White wine.	126	b Red wine.	127
554. Gonzalez y Corral, Antonio, Miguelturra. White wine.	126	580. Gutierrez Hermogenes, Valentin, Boecillo. Red wine.	127
555. Gonzalez y Ortiz de Zarate, Arturo, Chinchon. Anise brandy.	131	581. Gutierrez Montoya, Rosendo, Tirgo. Red wine.	127
556. Goni, Ramona, Corella. Red wine.	127	582. Gutierrez Perez, Leopoldo, Pinoso. Red wine.	127
557. Gota Gota, Antonio, Bespen. Red wine.	127	583. Herce Hernandez, Manuel, Antol. Red wine.	127
558. Goyeneche, Paulino, Ocar. Red wine.	127	584. Hermoso, Andres, Estella. Red wine.	127
559. Grande y Ortega, Matilde, Albacete. a White wine.	126	585. Hermoso, Felipe, Dicastillo. Red wine.	127
b Red wine.	127	586. Hermoso, Joaquin, Aibar. Red wine.	127
560. Gras Miralles, Jose. Red Brinso. Red wine.	127	587. Hernandez Bazan y Medinilla, Cipriano, Fuenmayor. Red wine.	127
561. Grau Montane Jose, Ruidoms. Red wine.	127	588. Hernandez, Esteban, Murchante. Red wine.	127
562. Gualba, Antonio, Mataro. Anise brandy.	131	589. Hernandez Gonzalez, Simon, Antol. Red wine.	127
563. Guasqui, Conde de, Andorra. Red wine.	127	590. Hernandez, Luciano, Antol. Red wine.	127

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591. Hernández Rodríguez, Victorino.	Red wine.	622. Insausti, Basilio, Arguedas.	Red wine.
592. Herrero, Jose Pedro, Antol.	Red wine.	623. Irazoz, Francisco, Cascante.	Red wine.
593. Herrero Lopez, Jose, Pinoso.	Red wine.	624. Iriarte, Anselmo, Cirauqui.	Red wine.
594. Herrero Viana, Julian, Simancas.	Red wine.	625. Iriarte, Marcelino, Cirauqui.	Red wine.
595. Herrero y Guillen, Villena.	Red wine.	626. Iriarte, Ramon, Cirauqui.	Red wine.
596. Herrero y Marco, Gaspat, Villena.	Red wine.	627. Iribarren, Lorenzo, Nardues.	Red wine.
597. Homs y Fabrega, Juan, Artes.	Red wine.	628. Iribarren, Sebastian, Barasoain.	Red wine.
598. Hortal Escribano, Ignacio, Salamanca.	Red wine.	629. Irigaray, Eusebio, Peñalta.	Red wine.
599. Hoyos, Marques de, Madrid.	Red wine.	630. Irigoyen, Tomas, La Oliva.	Red wine.
600. Hualde, Atanasio, Valtierra.	Brandy.	631. Irizarri, Julian, Arguedas.	Red wine.
601. Huarriz, Pio, Legarda.	Red wine.	632. Irribarren Gerisoain, Julian, Aratona.	Red wine.
602. Huarte, Marques de, Tudela.	Red wine.	633. Isturiz, Joaquin, Sada.	Red wine.
603. Huachin Sans y Gonzalez del Nido.	Malaga, Malaga.	634. Iturmendi, Crisanto, Morentin.	Red wine.
604. Huguet, Cayetano, Castellon de la Plana.	Red wine.	635. Iturralde, Jose, Carcastillo.	Brandy.
605. Huguet, Tomas, Tudela.	Red wine.	636. Iturralde, Tomas, Arroniz.	Red wine.
606. Hurtado y Hurtado, Francisco, Villena.	Anise brandy.	637. Ivanéz de Lara, Luis, Valencia.	Red wine.
607. Ibanez Martin, Miguel, Tudela.	Brandy.	638. Izco, Jose, Lumbier.	Red wine.
608. Ibero, Antonio, Dicastillo.	Red wine.	639. Izquierdo, y Bernat, Rafael, Valencia.	Red wine.
609. Ibero, Juan, Caseda.	Red wine.	640. Izu, Miguel, Muruzabal.	Red wine.
610. Idárceta, Patricio, Sada.	Red wine.	641. Jacas y Duran, Juan, Sitges.	Red wine.
611. Ibran y Ribas, San Felin de Guixols.	Anise brandy.	642. Jacoisti, Javier, Lumbier.	Red wine.
612. Ichaso, Tomas, Morentin.	Red wine.	643. Jaen, Domingo, Estella.	Red wine.
613. Iglesias, Eusebio, Pamplona.	Wine.	644. Jaen, Julian, Estella.	Red wine.
614. Ignacio Sagasti, Mariano, Tudela.	Red wine.	645. Jalon, Fermin, Viana.	Red wine.
615. Igual Cervera, Vicente, Alcoy.	Anise brandy.	646. Jalon, Joaquin, Viana.	Red wine.
616. Igúzquiza, Tiburcio, Estella.	Red wine.	647. Janariz, Sebastian, Sada.	Red wine.
617. Ilambe, Adolino, Villava.	Red wine.	648. Jarauta, Agustin, Cirauqui.	Red wine.
618. Ilambe, Joaquin, Manera.	Red wine.	649. Jarauta, Anselmo, Murchante.	Red wine.
619. Imitzaldou, Francisco, Aibar.	Red wine.	650. Jarauta, Manuel, Monteagudo.	Red wine.
620. Iñola, Andres, Falces.	Red wine.	651. Jaurrieta, Jose, Beire.	Red wine.
		652. Jaurrieta, Pablo, El Raso.	Red wine.

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Exhibit No.	Class'n No.	Exhibit	Class'n No.
653.	Red wine.	682.	Red wine.
Jaurrieta, Pablo, Obanos.	127	Larrumbe, Niceto, Lorca.	127
654.	Red wine.	683.	Red wine.
Jene y Capell, Cervera	127	Lasa, Manuel, Cirauqui.	127
655.	Red wine.	684.	Red wine.
Jordan Baus, Joaquin, Pinoso.	127	Lasierra, Joaquin, Huerta de Vero.	127
656.	Red wine.	685.	Red wine.
Jordan Baus, Justo, Pinoso.	127	Lasierra, Juan Lino, Quinzapo.	127
657.	Red wine.	686.	Red wine.
Jorge, Florencio, Villafranca.	127	Lasierra Pozuelo, Antonio, Barbunales.	127
658.	Red wine.	687.	Red wine.
Jorge, Mariano, Villafranca.	127	Latorre Aisa, Enriqueta, Sasa del Abadiado.	127
658a.	Red wine.	688.	Red wine.
Jover, Jose Maria, Villanueva de la Jara.	127	Latorre Aisa, Leopoldo, Sasa del Abadiado.	127
659.	Red wine.	689.	Red wine.
Juan, Amparo, Alcoy.	127	Latorre, Antonio, Sasa del Abadiado.	127
660.	Red wine.	690.	Red wine.
Juan Juan, Concepcion, Alcoy.	127	Latorre Escartin, Pedro, Sasa del Abadiado.	127
661.	Red wine.	691.	Red wine.
Juan, Melida, Alcoy.	127	Latorre, Maria, Sasa del Abadiado.	127
662.	Red wine.	692.	Red wine.
Juan y Lopez, Ramon, Miguelturra.	127	Latorre, Mariano, Ayerbe.	127
663.	Anise brandy.	693.	Red wine.
Jaume y Vich, Miguel, Santa Maria.	131	Latorre, Mercedes, Sasa del Abadiado.	127
664.	Cognac.	694.	Red wine.
Jimenez y Lamothe, Malaga.	131	Latorre, Miguel, Ayerbe.	127
665.	Cherry brandy.	695.	Red wine.
Labastida, Maximo, Los Callejos.	131	Lazaro, Jose, Lerin.	127
666.	Red wine.	696.	Red wine.
Labrid, Mariano, Olivena.	127	Leal Ramon, Tomas, Pinoso.	127
667.	Red wine.	697.	Red wine.
Lacalle, Benito, Viana.	127	Leal y Rovira, Antonio de, Alcoy.	127
668.	Red wine.	698.	Red wine.
Lacalle, Julian, Cirauqui.	127	Lecanda Chaves, Eloy de, Valladolid.	127
669.	Red wine.	698a.	Red wine.
Lacalle, Laureano, Morentin.	127	Legarde y Carriquiri, Aniceto, Pamplona.	127
670.	Red wine.	699.	Red wine.
Lacambra, Jose, Sietamo.	127	Lepine e Hijos, Viuda de, Logrono.	127
671.	Red wine.	700.	Red wine.
Lacambra, Manuel, Benabarre.	127	Lerena, Viuda de, Navarrete.	127
672.	Red wine.	701.	Red wine.
Lagarde, Aniceto, Pamplona.	127	Lerga, Cristino, Olite.	127
673.	Brandy.	702.	Red wine.
Lahiguera, Juan C., Fitero.	131	Liendo, Manuel de, Sevilla.	126
674.	Anise brandy.	a White wine.	128
Lahoz Muniesa, Victorio, Escatron.	131	b Sherries.	128
675.	Red wine.	703.	Red wine.
Laita, Bibiano, Cirauqui.	127	Liesa Castan, Ramon, Barbunales.	127
676.	Red wine.	704.	Red wine.
Landa, Franco, Aibar.	127	Liesa, Jose, Salas Altas.	127
677.	Red wine.	705.	Red wine.
Larralde, Venancio, Barasoain.	127	Lizarraga, Angel, Arrizala.	127
679.	White wine.	706.	Red wine.
a White wine.	126	Lizarraga, Severiano, Estella.	127
b Red wine.	127	707.	Red wine.
680.	Red wine.	Lizarraga, Victoriano, Anorbe.	127
Larraz, Ciriaco, Caseda.	127	708.	Red wine.
681.	Red wine.	Llansama y Serra, Francisco, Madrid.	126
Larre, Maria, Cirauqui.	127	a White wine.	126
		b Red wine.	127
		709.	Red wine.
		Lleo y Ubach, Modesto, Barcelona.	126
		a White wine.	126
		b Red wine.	127

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Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
710. Llopió y Bofill, Manuel, Barcelona.	127	739. Luis Salvador, S. A. I. y R. el Sr. Archiduque de Austria, Miramar.	Red wine.
Red wine.	127	wine.	127
711. Lobaco, Jose, Sietamo.	Red wine.	739a. M. I. E. Puente la Reina.	Red wine.
127		wine.	127
712. Lober, Town of, Lugo.		740. Macinab y de Llovet, Francisco. Es-	
a Red wine.	127	parraguera. Red wine.	127
b Brandy.	131	741. Macua, Fausto, Muniain.	
713. Logroño, Manuel, Maneru.	Red wine.	a Red wine.	127
127		b Brandy.	131
714. Loitegui, Nicolas, Biurrun.	Red wine.	742. Macua, Mariano, Allo.	Red wine.
127		743. Macua, Pancracio, Allo.	Red wine.
715. Lope Ceria, Benito, Sarinena.	Red wine.	127	
127		744. Machin, Gumerindo.	Red wine.
716. Lopez Acin, Juan, Argavieso.	Red wine.	745. Macho Mesones, Francisco, Rueda.	Red wine.
127		Red wine.	127
717. Lopez Alonso, Celedonio, Arganda del Rey.	Red wine.	746. Magrina de Lopez, Mariano, Vilal-	
127		longa. Red wine.	127
718. Lopez Carbon, Pascual, Peralta.	Red wine.	747. Magrina, Ramon, San Martin de	
127		Provencals. Red wine.	127
719. Lopez Cervera, Victoriano, Villena.	Red wine.	748. Magrina y Suner, Antonio de, Tar-	
127		ragona.	
720. Lopez de Heredia y Compania, R. Haro.	Red wine.	a White wine.	126
127		b Red wine.	127
721. Lopez, Luis, Cirauqui.	Red wine.	749. Mairal Ferrando, Santiago, Junzano.	Red wine.
127		Red wine.	127
722. Lopez, Mariano, Angües.	Red wine.	750. Mairal Lacruz, Ramon, Belillas.	Red wine.
127		Red wine.	127
723. Lopez, Quirico, Malaga.		751. Malere y Compania, L. Bilbao.	Brandy.
a Red wine.	127	131	
b Brandy.	131	753. Maneru, Gervasio, Cirauqui.	Red wine.
724. Lopez Ramos, Vicente, Valencia.	Red wine.	127	
127		754. Marcelino, Arturo, Haro.	Red wine.
725. Lopez Santonja, Pascasio, Villena.	Red wine.	127	
127		755. Marco, Asensio, Ayerbe.	Red wine.
726. Lopez, Saturnino, Allo.	Red wine.	127	
127		756. Marco, Joaquin, Dicastillo.	Red wine.
727. Lopez y Guadalupe, Mateo, Madrid.	Anise brandy.	127	
131		757. Margenat, Joaquin, Sardanola.	
728. Lorente, Sebastian, Tudela.	Red wine.	a White wine.	126
127		b Red wine.	127
729. Lorenz, Benito, Mendigorria.	Red wine.	758. Marichalar, Joaquin, Anorbe.	Red wine.
127		127	
730. Lorenzale Ricardo, Barcelona.	Red wine.	759. Marin, Victoriano, Merchante.	Brandy.
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731. Lorete Clavero, Joaquin, Peralta de Alcolea.	Red wine.	760. Marrodan, Teodoro, Lodosa.	Red wine.
127		127	
732. Loscertales, Agustin, Huesca.	Red wine.	761. Marro Riverola, Jose, Torres del	
127		Obispo.	
733. Loscertales, Frasco, Jose, Barasona.	Red wine.	a Red wine.	127
127		b Anise brandy.	131
734. Loyola, Cruz, Cascante.	Red wine.	762. Martialay, I, Cascante.	Brandy.
127		131	
735. Loyola, Domingo, Cascante.	Red wine.	763. Marticorena, Santiago, Murugarren.	Red wine.
127		127	
736. Lozano Sancho, Benito, Gueria.	White wine.	764. Martin, Jose, Alcubierre.	Red wine.
126		127	
737. Lozano, Sancho y Compania, Juan Yeria.	Red wine.	765. Martin, Manuel, Obanos.	Red wine.
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738. Luis Ortuno y Compania, Yecla.	Red wine.	127	

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766. Martin Visiedo, Manuel, Cazalla de la Sierra. Anise brandy.	131	794. Masso Tebar, Natalio, Albacete. Red wine.	127
767. Martinez, Anselmo, Murchante. Red wine.	127	795. Masterrena, Maria A., Tudela. Red wine.	127
768. Martinez, Antonio, Aibar. Red wine.	127	796. Mata y Oneca, Serafin, Pamplona. Red wine.	127
769. Martinez, Antonio, Mendigorria. Red wine.	127	797. Mateo Blanco, Ramon, Torres del Obispo. Red wine.	127
770. Martinez Aripes, Juan, Morata de Jalon. Red wine.	127	798. Matheu Sabate, Juan, Tarragona. Red wine.	127
771. Martinez Baldo, Domingo, Villamediana. Red wine.	127	799. Matias Leoz, Carmelo, San Martin de Oux. Red wine.	127
772. Martinez Baldo, Juan, Villamediana. Red wine.	127	800. Mauleon, Tomas, Arzoniz. Red wine.	127
773. Martinez, Cirilo, Funes. Red wine.	127	801. Megia, Jeronimo, Mendigorria. Red wine.	127
774. Martinez, de las Cuadra, Antolin, Quel. Brandy.	131	802. Mendaro Blanes, Fernando, Pinoso. Red wine.	127
775. Martines de las Rivas, Francisco. Madrid.		802a. Mendaro Blanes, Francisco, Pinoso. Red wine.	127
a White wine.	126	803. Mendia, Pedro, Olite. Red wine.	127
b Red wine.	127	804. Mendivil, Saturnino, Falces. Red wine.	127
776. Martinez, Demetrio, Olite. Red wine.	127	805. Mendoza, Serafin, Aibar. Red wine.	127
777. Martinez Diego, Federico, Pinoso. Red wine.	127	806. Menor. Hernandez, Jose Villena. Red wine.	127
778. Martinez, Esteban, Aibar. Red wine.	127	807. Mestre y Termes, Manuel, Sitges. Red wine.	127
779. Martinez, Eusebio, Dicastillo. Red wine.	127	808. Miguel, Concepcion de, Arzoniz. Red wine.	127
780. Martinez, Ildefonso, Monteagudo. Red wine.	127	809. Miguel, Juan de, Olite. Red wine.	127
781. Martinez, Joaquin, Dicastillo. Red wine.	127	810. Miguel, Luis de, Arzoniz. Red wine.	127
782. Martinez, Jose, Ablitas. Red wine.	127	811. Miguel, Pedro, San Asensio. Red wine.	127
783. Martinez, Pablo, Zabal. Red wine.	127	812. Miguel, Primo de, Arzoniz. Red wine.	127
784. Martinez, Pedro, Andosilla. Red wine.	127	813. Miguel, Vicente de, Tudela. Red wine.	127
785. Martinez Picazo, Alberto, Tarazona. Red wine.	127	a Red wine.	127
786. Martinez, Policarpo, Arzoniz. Red wine.	127	b Brandy.	131
787. Martinez, Telesforo, Sesma. Red wine.	127	814. Milagro, Pedro, Tudela. Red wine.	127
788. Martinez, Teodoro, Peralta. Red wine.	127	815. Mina, Dionisio, Salinas de Oro. Red wine.	127
789. Martinez y Yanguas, Joaquin, Alfaro. Red wine.	127	816. Mina, Ramona, Bandos. Red wine.	127
790. Marturet, Jose, Mendigorria. Red wine.	127	817. Minas, Pascual, Salinas de Oro. Red wine.	127
791. Mas y Rovira, Juan, Hostalets de Pierola. Red wine.	127	818. Ministry of Agriculture, Industry and Commerce, Madrid. Collective exhibit in classes 126, 127, 128, 129 and 131 made up of a large number of the individual exhibitors of this group.	
792. Massana y Monserrat, Francisco, Villanueva y Geltru. Red wine.	127	819. Mira Aracil, Francisco, Jijona. Red wine.	127
793. Masso Tebar, Javier, Albacete. Red wine.	127	820. Mira Carbonell, Rafael, Pinoso. Red wine.	127
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822. Mira Paya, Amador, Pinoso. Red wine.	127	848. Morales e Hijo, Pedro, Ojen. Anise brandy.	131
823. Mira Paya, Leonor, Pinoso. Red wine.	127	849. Morcate, Pedro, Liesa. Red wine.	127
824. Mirabent y Mitja, Felix, Sitges. Red wine.	127	850. Moreau, Jose de, Pamplona. Red wine.	127
825. Miranda Bescos, Gregorio, Castellsabas. Red wine.	127	851. Moreno, Aniceta, Peralta. Red wine.	127
826. Miranda Espierrez, Jose, Argavieso. Red wine.	127	852. Moreno Cruz, Francisco, Cabra. Red wine.	127
827. Miret y Cerda, Pedro, San Pedro de Ribas. Red wine.	127	853. Moreno Mazon e Hijos, Malaga. Red wine.	127
828. Molera, Ismael, Chumillas. Malvoisie.	127	854. Moreno Gueto, Juan, Dona Mencía. Anise brandy.	131
829. Molina y Corral, Gabino, Mugel-turra.		855. Morera, Avelino, Tarragona.	
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830. Molins y Rodriguez, Vigo.		856. Morondo, Julio, Puente la Reina. Red wine.	127
a White wine.	126	857. Morras, Jose Maria, Lacar. Red wine.	127
b Red wine.	127	858. Morros y Serra, Angel, Barcelona.	
831. Molto Mira, Tomas, Alcoy. Red wine.	127	a Red wine.	127
832. Monistrol, Marques de, Madrid.		b Brandy.	131
a White wine.	126	859. Moyano Trevino, Claudio, Encinas de Esgueva. White wine.	126
b Red wine.	127	860. Mudeña, Marques de, Madrid.	
833. Montaner Escario, Ramon, Colungo. Red wine.	127	a White wine.	126
834. Montaner Rubiella, Joaquin, Colungo. Red wine.	127	b Red wine.	127
835. Montesa, Marques de; Peralta. Red wine.	127	c Sherry.	128
836. Montoliu, Marques de, Tarragona.		d Brandy.	131
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837. Monton, Rafael, Loporzano. Red wine.	127	862. Munilla, Gabino, San Adrian. Red wine.	127
838. Montoya, Angel, Arroniz. Red wine.	127	863. Munoz Alonso, Enrique, Constantina. Anise brandy.	131
839. Montoya, Bibiano, Morentin. Red wine.	127	864. Munoz Cuchillo, Antonio Albacete. Red wine.	127
840. Montoya, Eugenio, Morentin. Red wine.	127	865. Munoz Garcia, Jose Joaquin, Albacete. Red wine.	127
841. Montoya, Ignacio, Allo. Red wine.	127	866. Mur Casbas, Antonio, Junzano. Red wine.	127
842. Montoya, Javier, Maneru.		867. Mur, Marcos, Sarinena. Red wine.	127
a Red wine.	127	868. Mur, Matias, Antillon. Red wine.	127
b Brandy.	131	869. Mur Sandian, Francisco, Sarinena. Red wine.	127
843. Montoya, Martin, Allo. Red wine.	127	870. Murga y Perez, Arturo, Navarrete. Red wine.	127
844. Montoya, Sotero, Morentin. Red wine.	127	871. Murrieta y Garcia, Luciano, Marques de Murrieta, Logrono.	
845. Monzo Hermanos, Albaida. White wine.	126	a White wine.	126
846. Morales, Fernando, Tudela. Red wine.	127	b Red wine.	127
		872. Muru, Juan, Maneru. Red wine.	127

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b Brandy.	131	903. Ojeda y Hermano, Julian, Valladolid.	
874. Muruzabal, Francisco, San Martin de Oux. Red wine.	127	Claret.	127
875. Mut, Julian, Palma de Mallorca. Red wine.	127	904. Olavarrieta Llorente, Andres, Cenicero. Red wine.	127
876. Nagore, Manuel, Obanos. Red wine.	127	905. Oliag y Carra, Vicente, Valencia. Red wine.	127
877. Nañclares Diez, Agustin, La Seca. White wine.	126	906. Oliva Artigas, Agustin, Argavieso. Red wine.	127
878. Navajas del Valle, Manuel, Fuenmayor. Red wine.	127	907. Oliva, Andreu y Compania, Tarragona. a White wine.	126
879. Navajas Matute, Celestino, Fuenmayor. Red wine.	127	b Red wine.	127
880. Naval, Ramon, Olvena. Red wine.	127	908. Oliva Palacio, Agustin, Argavieso. Red wine.	127
881. Navarro Albert, Antonio, Pinoso. Red wine.	127	909. Olivella Hermanos y Compania, Barcelona. Anise brandy.	131
882. Navarro, Longinos, Villafranca. Red wine.	127	910. Ordaiz, Pedro, Obanos. Red wine.	127
883. Navarro Zapater, Juan, Albacete. White wine.	126	911. Ordax y Sanmarful, Porfirio, Caugas de Tineo. Red wine.	127
884. Navascues, Manuela, Tafalla. Red wine.	127	912. Ores, Emeterio, Mendigorria. Red wine.	127
885. Naya, Juan, Colungo. Red wine.	127	913. Ores, Timoteo, Artazu. Red wine.	127
886. Naya y Azara, Santos, Huesca. Red wine.	127	914. Oria de Rueda, Jose, Requena. Red wine.	127
887. Nogues, Pedro, Barcelona. Red wine.	127	915. Oroquieta, Marques de, Valtierra. Red wine.	127
888. Nogues, Pedro, Tarragona. Red wine.	127	916. Ortiz de Zarate y Rodriguez, Federico, Chinchon. a White wine.	126
889. Normante, Santiago, Ayerbe. Red wine.	127	b Red wine.	127
890. Obanos, Town of, Navarra. Red wine.	127	917. Ortiz, Pelegrin, Mendigorria. Red wine.	127
891. Ochoa Albert, Agapito, Pinoso. Red wine.	127	918. Otal, Pedro, Alcubierre. Red wine.	127
892. Ochoa de Olza, Luis, Pamplona. Red wine.	127	919. Otano, Faustino, Aibar. Red wine.	127
893. Ochoa, Guadalupe, Valtierra. Red wine.	127	920. Otano, Fermin, Aibar. Red wine.	127
894. Ochoa, Juan, Puente la Reina. Red wine.	127	921. Otano, Josefa, Eneriz. Red wine.	127
895. Ochoa, Niceto, Puente la Reina. Red wine.	127	922. Otano, Mariano, Aibar. Red wine.	127
896. Ochoa, Nicolas, Olite. Red wine.	127	923. Otero Rivera, Abraham, Santander. a White wine.	126
897. Ochoa Verdu, Agapito, Pinoso. Red wine.	127	b Red wine.	127
898. Ochoa Verdu, Juan, Pinoso. Red wine.	127	924. Oyaga, Esteban, Artazu. Red wine.	127
899. Ochoa Verdu, Magdalena, Pinoso. Red wine.	127	925. Padillo, Hermanos, Baena. Red wine.	127
900. Ocon, Antonino, Andosilla. Red wine.	127	926. Pagola, Victoriano, Arizala. Red wine.	127
901. Oñatividad, Gil, Julian, Artajona. Red wine.	127	927. Palacio, Juan, Colungo. Red wine.	127
		928. Palop y Aparicio, Jose Antonio, Ronda. Red wine.	127
		929. Panzano, Esteban, Sarinena. Red wine.	127

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933.		Pardo Valiente, Jose Antonio, Albacete. Red wine. 127
934.		Pardo y Moreno, Eduardo, Murcia. Red wine. 127
935.		Parellada e Isach, Rosendo, Subirats. Red wine. 127
936.		Parera, Juan, Barcelona. Cognac. 131
937.		Parera y Volart, Felipe, Granollers. a Red wine. 127
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939.		Pascual de Bonanza, Luis Cruz, Elche. Red wine. 127
940.		Pascual, Hijos de, Madrid. Anise brandy. 131
941.		Pascual, Viuda de Joaquin, Zaragoza. a White wine. 126
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944.		Paya Santonja, Miguel, Villena. Red wine. 127
945.		Peraflorida, Conde de, Peralta. Red wine. 127
946.		Perera Vidal, Martin, Peralta de Arriba. Red wine. 127
948.		Perez, Bernardo, Carcar. Red wine. 127
949.		Perez, Casimiro, Sada. Red wine. 127
950.		Perez Congost, Jose, Alfàr del Pi. a White wine. 126
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953.		Perez, Francisco, Aldunate. Red wine. 127
954.		Perez, Francisca, Lodosa. Brandy. 131
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966.		Perez y Perez, Miguel, Requena. Red wine. 127
967.		Pey y Mallol, Paulino, Figueras. Anise brandy. 131
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970.		Pimentel y Hermanos, J. Rueda. White wine. 126
971.		Pi Montlleo, Antonio, Falset. Red wine. 127
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974.		Pinilla Garcia, Juan, Casasola de Arion. Red wine. 127
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976.		Pinohermoso, Conde de, Madrid. Brandy. 131
977.		Pino y Compania, C. del, Jerez de la Frontera. Sherry. 128
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Potoc, Pascual, Huesca. Red wine.	127	bacete. Red wine.	
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Poveda Albert, Pablo, Pinoso. Red wine.	127	Redondo y Lumbreras, Joaquin.	
988.		Montilla del Palancar. Red wine.	
Poveda Verdu, Francisco, Pinoso. Red wine.	127	1018.	
989.		Reinosa, Marques de, Madrid. Red wine.	
Prat, Saturnino, Manresa. Anise brandy.	131	1019.	
990.		Remirez, Vicente, Lodosa. Red wine.	
Prats, Canizares, Antonio, Pinoso. Red wine.	127	1020.	
991.		Reta, Basilio, Aibar. Red wine.	
Prats Luis Alfonso, Pinoso. Red wine.	127	1021.	
993.		Revilla Esteban, Santiago, Cabezon.	
Puertas, Antonio, Colungo. Red wine.	127	Claret.	
994.		1022.	
Puig de Galup, Jose Buenaventura, Barcelona. Red wine.	127	Riaza Echevarria, Teodoro, A.	
995.		ganda. Red wine.	
Puigmolto, Pascual, Almansa. Red wine.	127	1023.	
996.		Ribas y Llopis, Miguel, Sitges.	
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Pujadas, Javier, Tudela. Red wine.	127	Ribot Volla, Baudilio, Tarragona.	
998.		Red wine.	
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999.		Red wine.	
Pujol, Emiliano, Cascante. Red wine.	127	1026.	
1000.		Rico, Concepcion, Alcoy. Red wine.	
Pujol, Joaquin y Eduardo, Sans. Red wines.	127	1027.	
1001.		Rico Garcia, Celestino, Casasola.	
Pujol Vidal, Alfonso, Sitges. Muscatel.	127	Arion. Red wine.	
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1005.		1030.	
Rahola, Hermanos, Villena. Red wine.	127	Rico y Rico, Gaspar, Pinoso. Red wine.	
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Rami, Francisco, Olvena. Red wine.	127	Rico y Lucas, Isidro, Pinoso. Red wine.	
1007.		1032.	
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1008.		Red wine.	
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1009.		Rigal, Cristobal, Sarinena. Red wine.	
Ramirez San Pedro, Felix, Villamediana. Red wine.	127	1034.	
1010.		Rincon, Jose, Fustinana. Brandy.	
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1011.		Rio Munoz, Marcelo del, Valladolid.	
Ramos Tellez, Hijo de F., Malaga.	127	Red wine.	
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1013.		Rios y Pablos, Jose, Cantillana.	
Recains, Viuda de, Puente la Reina. Red wine.	127	Anise brandy.	
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		Rius, Conde de, Tarragona.	
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1046. Robert, Engracia, San Pedro de Ribas. Muscatel.	127	1072. Ruiz, Antonio, Villafranca. Brandy.	131
1047. Robert y Francesch, Juan, Villarrodon. Red wine.	127	1073. Ruiz de Azcarraga, Julian, Cenicero. Red wine.	127
1048. Roca Hermanos y Compania, Palma de Mallorca. Anise brandy.	131	1074. Ruiz de Leon, Domingo, Valdepenas. a White wine.	126
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1053. Rodriguez, Felipe, Cirauqui. Red wine.	127	1078. Ruiz Zorrilla, Indalecio, Tafalla. Red wine.	127
1054. Rodriguez, Hijos de Deogracias, Valdepenas. Red wine.	127	1079. Ruiz y Albert, Malaga. a White wine.	126
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1057. Rodriguez Villamertida, Francisco, Arganda. Red wine.	127	1081. Ruperez, Miguel, Fitero. Red wine.	127
1058. Roig Queralt, Antonio, Villarrodon. a White wine.	126	1082. Russall, Teresa, Villanueva y Geltru. Red wine.	127
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1059. Roig y Serra, Juan, Villanueva y Geltru. Red wine.	127	1084. Sadaba, Jose, Morentin. Red wine.	127
1060. Roldan y Mora, Estanislao, Miguel-turra. a White wine.	126	1085. Sabadell, Felipe, Barcelona. Red wine.	127
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1061. Romagosa y Ventosa, Tarragona. a White wine.	126	1087. Saenz de Tejada, Joaquin, Estella. Red wine.	127
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1062. Romeo, Leopoldo, Lodosa. Red wine.	127	1088. Sagues, Teodosio, Beire. Red wine.	127
1063. Romero y Lopez, Antonio, Albacete. a White wine.	126	1089. Sainz, Anacleto, Lodosa. Red wine.	127
b Red wine.	127	1090. Saiz Garcia, Juan, Albacete. Red wines.	127
1064. Roncal, Hilario, Obanos. Red wine.	127	1091. Sala, Eusebio, Andosilla. Red wine.	127
1065. Ros, Celestino, Azcona. Red wine.	127	1092. Salabert, Jose, Barcelona. Red wine.	127
1066. Ros, Francisco, Artazu. Red wine.	127	1093. Salanueva, Filoteo, Arroniz. Red wine.	127
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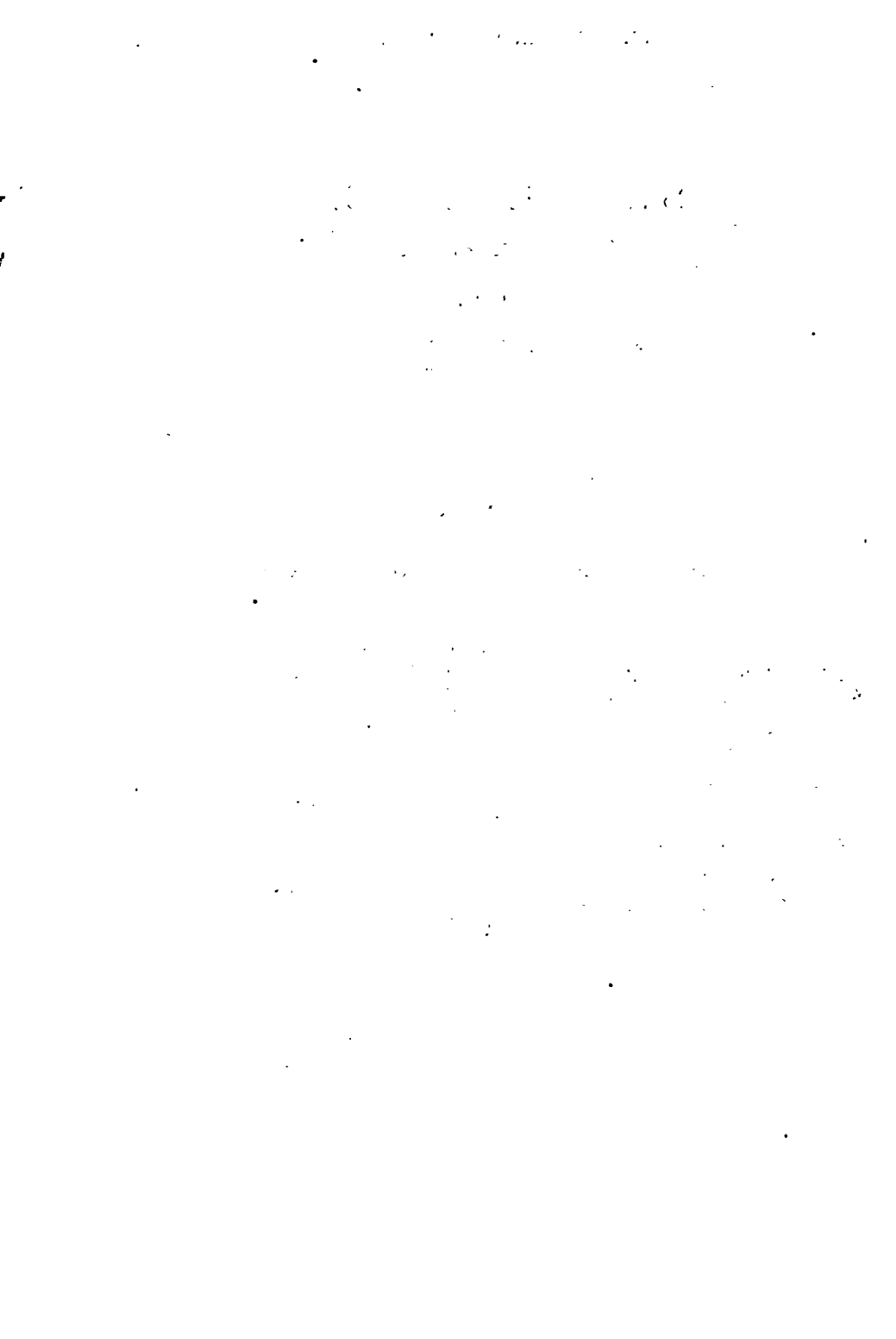
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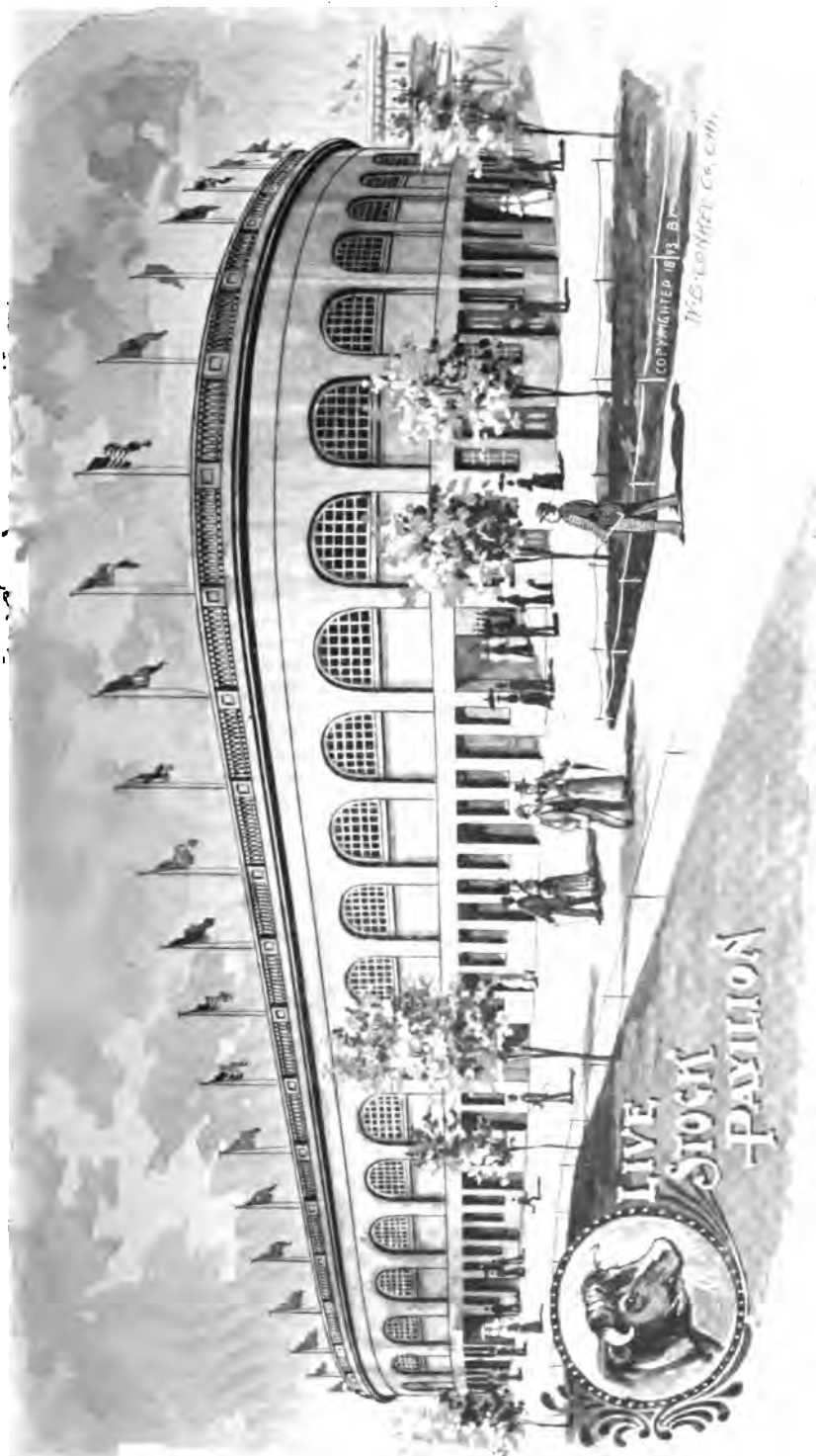
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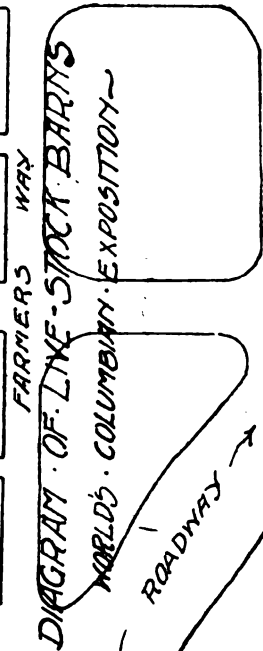
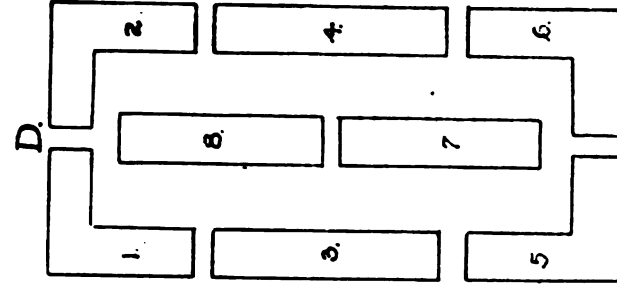
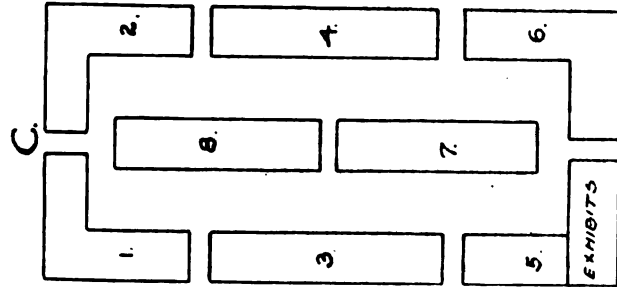
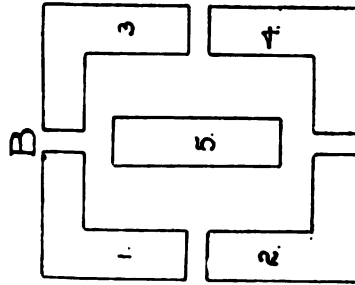
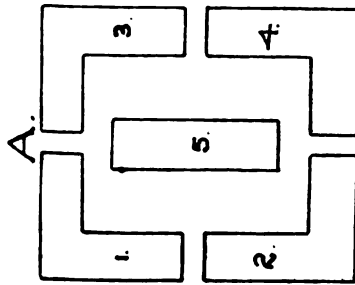
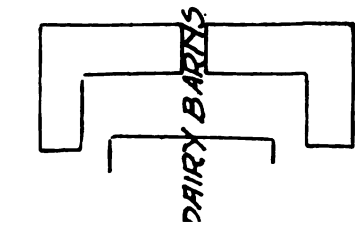


DIAGRAM OF LINE-STOCK BARN  
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- CLASS 1—SHORT-HORN. J. H. Pickrell, Chicago. Consulting Judges: H. C. Duncan, Osborne, Ind.; J. T. Gibson, Deerfield, Ontario.
- CLASS 2—HEREFORD. J. A. Purdie, Philadelphia, Pa.
- CLASS 3—ABERDEEN-ANGUS. John G. Imboden, Decatur, Ill.
- CLASS 4—GALLOWAY. David McCracken, Caledon, Ont.
- CLASS 5—DEVON. Benj. R. Eldredge, Provo City, Utah.
- CLASS 6—JERSEY. Henry V. Alvord, Washington, D. C.
- CLASS 7—HOLSTEIN-FRIESIAN. Thos. B. Wales, Boston, Mass.
- CLASS 8—AYRSHIRE. Geo. C. Buchanan, Quebec, Can.
- CLASS 9—GUERNSEY. Edward Burnett, Madison, N. J.
- CLASS 11—RED POLLED. J. W. Martin, Richland City, Wis.
- CLASS 12—POLLED DURHAM. J. H. Pickrell, Chicago.
- CLASS 13—DUTCH BELTED. D. H. Branson, Alters, Pa.
- CLASS 14—BROWN SWISS. Wm. Andrew, Lake Forest, Ill.

## DIVISION B--HORSES.

- CLASS 23—FRENCH COACH. R. B. Ogilvie, Madison, Wis.
- CLASS 24—GERMAN COACH. Landstallmeister, Von Oettingen Beberbeck.
- CLASS 25—CLEVELAND BAY. Alex. Galbraith, Janesville, Wis.
- CLASS 26—PERCHERON. Thomas Slatterly, Onarga, Ill.
- CLASS 27—CLYDESDALE. Alex. Wier, Sandelmains, Lanark, Scotland. Consulting Judges: John C. Huston, Blandinsville, Ill.; E. W. Charlton, Duncrief, Ont.
- CLASS 28—SHIRE. Joseph Watson, Beatrice, Neb.
- CLASS 29—FRENCH DRAFT. Robt. Graham, Claremont, Ont.
- CLASS 30—BELGIAN. Reiterschafts Director, Von Soldern Plattenburg.
- CLASS 31—SUFFOLK PUNCH. Alex. Galbraith, Janesville, Wis.
- CLASS 32—HACKNEY. A. J. Cassatt, Philadelphia, Pa.
- CLASS 33—MORGAN. R. W. Goodrich, Poultney, Vt.
- CLASS 34—ARAB. F. F. Vidal, Suffolk, England.
- CLASS 35—AMERICO-ARAB. F. F. Vidal, Suffolk, England.
- CLASS 36—FRENCH TROTTER. Wm. Bunker, Beaver Dam, Wis.
- CLASS 36½—RUSSIAN. M. W. Dunham, Wayne, Ill.
- CLASS 37—SADDLE. C. B. White, Chicago.
- CLASS 38—SHETLAND PONY. Eli Elliott, West Liberty, Iowa.
- CLASS 39—JACKS AND JENNETS. Albert Babb, Springfield, Ill.
- SPECIAL CLASS—MULES. Albert Babb, Springfield, Ill.

# Programme in Stock Pavilion.

9 A. M. TO 2 P. M.

**ADMISSION TO PAVILION FREE.**



*Tuesday, August 22d.*

Cattle, Class 1, Short-Horn.

Horses, Class 31, Suffolk Punch

*Wednesday, August 23d.*

Cattle, Class 1, Short-Horn.

Horses, Class 26, Percheron.

*Thursday, August 24th.*

Cattle, Class 2, Hereford.

Horses, Class 27, Clydesdale.

*Friday, August 25th.*

Cattle, Class 3, Aberdeen-Angus.

Horses, Class 28, Shire.

" " 29, French Draft.

*Saturday, August 26th.*

Cattle, Class 4, Galloway.

Horses, Class 30, Belgian.

*Monday, August 28th.*

Cattle, Class 6, Jersey.

Horses, Class 34, Arab.

" " 35, Americo-Arab.

*Tuesday, August 29th.*

Cattle, Class 6, Jersey.

Horses, Class 25, Cleveland Bay.

" " 23, French Coach.

*Wednesday, August 30th.*

Cattle, Class 7, Holstein-Friesian.

Horses, Class 24, German Coach.

*Thursday, August 31st.*

Cattle, Class 9, Guernsey.

Horses, Class 32, Hackney.

*Friday, September 1st.*

Cattle, Class 5, Devon.

Horses, Class 33, Morgan.

*Saturday, September 2d.*

Cattle, Class 8, Ayrshire.

Horses, Class 39, Jacks.

Special " Mules.

*Monday, September 4th*

Cattle, Class 11, Red Polled.

*Tuesday, September 5th*

Cattle, Class 12, Polled Durham.

Horses, Class 37, Saddle.

" " 13, Dutch Belted.

*Wednesday, September 6th.*

Cattle, Class 14, Brown Swiss.

Horses, Class 36½, Russian Horses

*Thursday, September 7th.*

Cattle, Class 15, Sweepstakes by Ages, Beef Breeds.

Horses, Class 38, French Trotter.

" " 16, " " " General Purpose.

*Friday, September 8th.*

Cattle, Class 17, Grand Sweepstakes by Ages.

Horses, Class 38, Shetland Pony.

" 18, " " Herd.

# BARN LOCATION OF CATTLE AND HORSES.

## CATTLE.

	CLASS.	BLOCK.	BARN.
1	Short-Horns .....	D .....	4, 6, 7
2	Herefords .....	D .....	5, 8
3	Aberdeen-Angus.....	C .....	6
4	Galloways.....	C .....	7
5	Devons.....	D .....	3, 5, 8
6	Jerseys.....	D .....	1, 2, 3
7	Holstein-Friesians.....	C .....	8
8	Ayrshires.....	C .....	2, 4
9	Guernseys.....	C .....	2, 4
11	Red Polls.....	D .....	1, 2, 3
12	Polled Durhams.....	D .....	4
13	Dutch Belted Cattle.....	D .....	1
14	Brown Swiss.....	Dairy Barn	5

## HORSES.

	CLASS.	BLOCK.	BARN.
23	French Coach.....	A .....	4, 5
24	German Coach.....	{ A .....	5
		{ B .....	2
25	Cleveland Bays.....	{ B .....	1
		{ C .....	1
26	Percherons.....	A .....	3, 4
27	Clydesdales .....	A .....	2
28	Shires.....	B .....	3, 5
29	French Drafts.....	B .....	4
30	Belgian.....	A .....	5
31	Suffolk Punch.....	B .....	3
32	Hackneys.....	B .....	5
33	Morgans.....	B .....	2, 4
34	Arabs .....	A .....	2
35	Americo-Arabs.....	A .....	2
36	French Trotters.....	A .....	4
36½	Russian Horses.....	C .....	
37	Saddle Horses.....	A .....	1
38	Shetland Ponies.....		
39	Jacks and Jennets.....		
	Special Class. Mules.....		

# LIVE STOCK PAVILION.



THE Live Stock Pavilion in which all animals are shown for award is located at the rear of the Colonnade which connects Machinery Hall with the Agricultural Building and is reached by four grand entrances, one in the center of the Colonnade and one at either end. In addition to these there are a large number of entrances, making it easy of access from all sides. The extreme measurements of the building are 300x440 feet, covering an area of three acres. The general arrangement of the structure is the same as the Colosseum at Rome, the structure of the former being Romanesque and the latter purely classic, of the Doric order. There is very little ornament on this building save the balustrade which tops the cornice. The seating capacity is 10,000.

Under the Amphitheatre are the offices of the Chief of the Department and Superintendents of Divisions, with the entire office force of the Department except the Veterinary Surgeon, whose office is in Dairy Barn No. 6.

The Pavilion is elliptical in outline and covers an area of 280x450 feet. The total area of the arena embraces about 60,000 square feet and is paved with white cedar blocks covered with tanbark, affording good footing for the animals.

The Live Stock Barns are located south of the Pavilion, covering, with the intervening driveways, twenty-seven acres of ground. Accommodations are provided for some 3,000 animals in stalls, averaging from four feet six inches to 10 feet in width. They are provided with water, scales for weighing animals, etc. The sleeping accommodations for men in charge of stock are on the gallery floor of the barns above the stalls. Every precaution has been taken to insure proper ventilation and safety of the animals on exhibition.

The cost of the Pavilion, barns and roadways is \$220,000.

The sum of \$150,000 cash premiums has been appropriated by the Exposition Directory for awards. This has been largely supplemented by special offerings of the several States and of the Live Stock Associations. In addition, valuable aid has been accorded by a number of State Commissions, who pay the shipping charges, feed, etc., on stock from their several states.

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# DEPARTMENT C.—LIVE STOCK.

## DIVISION A.—CATTLE.

### CLASS 1.—SHORT HORNS.

Location—Block D. Barns 4, 6 and 7.

Section 1.—Bull, 3 years old or over.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

- T. W. Ragsdale, Paris, Mo.  
 6. BRITISH JUBILEE.  
 F. Birdsall, Birdsall, Ont.  
 12. WAVERLY.  
 J. H. Potts & Son, Jacksonville, Ill.  
 1. THISTLEWOOD 95417, 8 years old; s. *Imp.* Thistletop 88876; d. *Imp.* Victoria 63 by Pride of the Isles 85072. Bred by W. A. Harris, Lawrence, Kas.  
 A. M. Kent, Jamestown, N. Y.  
 13. SCOTTISH VICTOR.  
 W. B. Cockburn, Aberfoyle, Ont.  
 4. GREENHOUSE CHIEF.  
 5. BRITISH CHIEF.  
 W. C. Edwards, Rockland, Ont.  
 14. DOCTOR LENTON.  
 H. F. Brown, Minneapolis, Minn.  
 9. EARL FAME 8th.  
 10. GOLDEN RULE.  
 T. S. Meberley, Richmond, Ky.  
 2. ABBOTTSBURN.  
 3. NONPAREIL CHIEF.  
 J. G. Robbins & Sons, Horace, Ind.  
 7. GAY MONARCH.  
 8. SANTA CLAUD.  
 T. A. Alban & Son, Venedocia, Ohio.  
 11. FAMOUS CHIEF.

Section 2.—Bull, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

- B. O. Cowan, New Point, Mo.  
 18. LORD WATERLOO 112749, 2 years old; s. Double Barmpton 102505; d. Water Lily 3d by *Imp.* Scottish Lord 77761. Bred by exhibitor.

- J. H. Potts & Son, Jacksonville, Ill.  
 15. CHANCELLOR 106791, 2 years old; s. *Imp.* King of Aberdeen 75747; d. *Imp.* Lavender 4th by Chancellor 68693. Bred by exhibitor.  
 Abram Renick, Sycamore, Ky.  
 19. 10th AIRDRIE OF SHARON.  
 J. & W. Russell, Richmond Hill, Ont.  
 25. PRINCE ROYAL.  
 H. F. Brown, Minneapolis, Minn.  
 21. IMPERIAL PRINCE.  
 L. W. Brown & Sons, New Berlin, Ill.  
 16. YOUNG MARSHALL.  
 17. YEODOR.  
 W. G. Sanders, St. Thomas, Ont.  
 26. ELGIN CHIEF 16243, 2 years old; s. Indian Chief 57485; d. Daisy's Beauty by *Imp.* Eclipse 49526. Bred by Arthur Johnston, Greenwood, Ont.  
 Green Brothers, Indianola, Ill.  
 20. ROYAL PHYLLIS.  
 O. W. Fisher, Assumption, Ill.  
 22. MARY'S WATERLOO EARL.  
 W. C. Edwards, Rockland, Ont.  
 24. KNIGHT OF ST. JOHN.  
 A. M. Kent, Jamestown, N. Y.  
 23. MAJOR MCKINLEY.  
 John T. Gibson, Deerfield, Ont.  
 27. JOCELYN.  
 Thomas Andrews, Cambridge, Nev.  
 28. MAJOR COWSLIP.

Section 3.—Bull, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

- T. A. Alban & Son, Venedocia, Ohio.  
 39. ALLEN BOY.  
 J. H. Potts & Son, Jacksonville, Ill.  
 29. LAVENDER KING 4th 108682, 1 year old; s. *Imp.* King of Aberdeen 75747; d. *Imp.* Lavender of Oakland by Varra 58341. Bred by exhibitor.  
 R. & S. Nicholson, Sylvan, Ont.  
 40. NORSEMAN.  
 41. VALASCO 21st.  
 H. F. Brown, Minneapolis, Minn.  
 37. FIFER.  
 38. SCOTCHMAN 4th.

A. D. De Garmo, Highland Station, Mich.

36. POLLED DUKE.

Green Bros., Indianola, Ill.

35. ROYAL CONSUL 2d.

J. & W. Russell, Richmond Hill, Ont.

42. LORD STANLEY.

Abram Renick, Sycamore, Ky.

34. ACKLAM SHARON 5th.

B. O. Cowan, New Point, Mo.

32. COLUMBUS.

L. W. Brown & Sons, New Berlin, Ill.

31. KING RICHARD.

T. W. Hant, Ashton, Ill.

59. SHINING STAR.

T. S. Moberley, Richmond, Ky.

30. PHYLLIS ABBOTTSBURN.

T. W. Ragsdale, Paris, Mo.

33. CROWN KING.

John Isaac, Markham, Ont.

43. GOLDEN CROWN.

#### Section 4.—Bull, under 1 year.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

W. C. Edwards, Rockland, Ont.

60. SOLICITOR GENERAL.

61. LYNTHURST 3d.

J. H. Potts & Son, Jacksonville, Ill.

44. LAVENDER KING 6th 112645, 8 months old; s. *Imp.* King of Aberdeen 75747; d. *Imp.* Lavender 31st by Barnpton 45246. Bred by exhibitor.

A. D. De Garmo, Highland Station, Mich.

51. POLLED DUKE 2d.

52. POLLED DUKE 4th.

H. F. Brown, Minneapolis, Minn.

53. VICTOR OF BROWDALE.

54. LORD WILD EYES.

W. G. Sanders, St. Thomas, Ont.

64. DAISY'S PRINCE 17858, under 1 year; s. Valasco 14th 10440; d. Daisy's Star by Duke of Lavender. Bred by exhibitor.

L. W. Brown & Sons, New Berlin, Ill.

46. GOLD DUST.

O. W. Fisher, Assumption, Ill.

58. CLEAR THE WAY.

W. B. Cockburn, Aberfoyle, Ont.

47. INDIAN WARRIOR.

48. LORD SANDERS.

J. D. Varner, Indianola, Ill.

56. RED KNIGHT.

57. COLUMBUS.

John Morgan & Sons, Kerwood, Ont.

55. GOLDFINDER.

J. & W. Russell, Richmond Hill, Ont.

62. BORDER CHIEF.

63. PRINCE OF KINNELLAR.

T. S. Moberley, Richmond, Ky.

45. PROUD ABBOTTSBURN.

B. O. Cowan, New Point, Mo.

49. LORD WATERLOO 3d.

50. PLATO.

#### Section 5.—Cow, 3 years old or over.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

Abram Renick, Sycamore, Ky.

75. ROSE OF NIAGARA.

Green Bros., Indianola, Ill.

76. SCOTTISH LADY 18th.

77. ROULETTE.

W. B. Cockburn, Aberfoyle, Ont.

71. VILLAGE LILLY 15641.

72. WEMPLE OF HOLTON 2d.

J. & W. Russell, Richmond Hill, Ont.

89. MAID OF PROMISE.

90. QUEEN MARY.

H. F. Brown, Minneapolis, Minn.

80. ELVIRA OF BROWDALE 2d.

81. VICTORIA OF GLENWOOD.

O. W. Fisher, Assumption, Ill.

83. LOVELY PRIDE.

84. 17th SCOTTISH LADY.

J. G. Robbins & Sons, Horace, Ind.

78. MODESTY.

79. GAY MARY.

W. C. Edwards, Rockland, Ont.

87. BELINDA.

88. BESSIE OF ROCKLAND.

T. S. Moberley, Richmond, Ky.

67. FOREST BELLE 16th.

68. HUDSON DUCHESS OF FINEST GROVE.

L. W. Brown & Sons, New Berlin, Ill.

69. ACOMB OF MAPLEWOOD.

70. 16th NELLY BLY OF RIVDALE.

T. A. Alban & Son, Venedocia, Ohio.

82. AMELIA.

A. M. Kent, Jamestown, N. Y.

85. REGINA.

86. VIOLET.

T. W. Ragsdale, Paris, Mo.

73. YOUNG MARY OF MAPLE GROVE.

74. BRITISH MAID.

J. H. Potts & Son, Jacksonville, Ill.

65. SEMPTRESS OF OAKLAND (vol. 37, p. 787), 4 years old; s. *Imp.* King of Aberdeen 75747; d. Semptress 3d Proud Duke 36660. Bred by exhibitor.

66. EMMA 11th (vol. 37, p. 725), 3 years old; s. *Imp.* King of Aberdeen 75747; Emma 7th by *Imp.* Antiquary 49. Bred by exhibitor.

John Isaac, Markham, Ont.

91. MAID OF PRIMROSE 6th.

Thos. Andrews, Cambridge, Neb.

92. ANN SWERLEY.

93. MURRIETTA.

Section 6. Heifer, 2 years old and under 2.

Premiums:	1st	2d	3d	4th
	\$50.00	\$35.00	\$20.00	\$15.00

- Green Bros., Indianapolis, Ill.  
 104. SHARONESS OF MAPLE GROVE 3d.  
 J. G. Robbins & Sons, Horace, Ind.  
 105. NORA DAVIS.  
 106. RED BELLE.  
 Abram Renick, Sycamore, Ky.  
 96. MINNIE 2d.  
 97. AIRDRIE ROSE.  
 T. W. Ragsdale, Paris, Mo.  
 100. COUNTESS LOUANN OF OAKLAND 3d.  
 101. YOUNG MARY 2d.  
 W. B. Cockburn, Aberfoyle, Ont.  
 99. NONPAREIL PRIZE.  
 J. H. Potts & Son, Jacksonville, Ill.  
 94. SURPRISE OF OAKLAND 3d (vol. 37, p. 787); s. Imp. King of Aberdeen 7547; d. Imp. Surprise by Chancellor 47568. Bred by exhibitor.  
 95. FANNIE AIRDRIE 25th (vol. 37, p. 787); s. Thistlewood 95417; d. Fannie Airdrie 6th by Imp. Duke of Richmond 2135. Bred by exhibitor.  
 H. F. Brown, Minneapolis, Minn.  
 107. IMP. RED EMPRESS.  
 108. OXFORD DUCHESS OF BROWNDAL 2d.  
 L. W. Brown & Sons, New Berlin, Ill.  
 98. FANNIE OXFORD 4th.  
 T. S. Moberley, Richmond, Ky.  
 96. FOREST BELLE 17th.  
 97. GEM OF HICKORY PARK 3d.  
 T. A. Alban & Son, Venedocia, Ohio.  
 109. OHIO GIRL.  
 110. RED LADY.  
 W. C. Edwards, Rockland, Ont.  
 114. ROSEWATER.  
 A. M. Kent, Jamestown, N. Y.  
 113. ROSEBUD.  
 O. W. Fisher, Assumption, Ill.  
 111. ROSE MONTRATH.  
 112. JESSIE HOPEWELL.  
 J. & W. Russell, Hamilton, Ont.  
 115. CENTENNIAL ISABELLA 2d.

Section 7. Heifer, 1 year old and under 2.

Premiums:	1st	2d	3d	4th
	\$40.00	\$30.00	\$20.00	\$15.00

- Green Bros., Indianapolis, Ill.  
 127. FASTER DAY OF MAPLE GROVE 2d.  
 128. LUCILLE 5th.  
 J. G. Robbins & Sons, Horace, Ind.  
 129. PEERLESS.  
 129. LADY VERBENA.

Abram Renick, Sycamore, Ky.  
 125. MINNIE'S 27th DUCHESS GE-NEVA.

126. POPPY 8th.  
 T. W. Ragsdale, Paris, Mo.  
 122. FANCY OF OAKLAND.  
 W. B. Cockburn, Aberfoyle, Ont.  
 121. WEMPLE BIRDIE.  
 B. O. Cowan, New Point, Mo.  
 123. DORA 6th; s. Imp. Scottish Lord 77761; d. Dora 2d by Bell Duke of Thorndale 42868. Bred by exhibitor.  
 124. LILY FOREST 6th; s. Imp. Scottish Lord 77761; d. Lily Ford 2d by Bell Duke of Thorndale 42868. Bred by exhibitor.  
 J. H. Potts & Son, Jacksonville, Ill.  
 116. SURPRISE OF OAKLAND 4th (vol. 37, p. 787); s. Imp. King of Aberdeen 75747; d. Imp. Surprise by Chancellor 47568. Bred by exhibitor.  
 117. CAROLINE OF OAKLAND 6th (vol. 37, p. 787); s. Thistlewood 95417; d. Caroline of Oakland 5th by Imp. King of Aberdeen 75745. Bred by exhibitor.  
 H. F. Brown, Minneapolis, Minn.  
 131. ELVIRA OF BROWNDAL 5th.  
 132. MYSEL OF BROWNDAL 5th.  
 L. W. Brown & Sons, New Berlin, Ill.  
 120. MARGUERITE 5th.  
 John Morgan & Sons, Kertwood, Ont.  
 137. SUSSEX MAID.  
 R. & S. Nicholson, Sylvan, Ont.  
 135. 21st MAID OF SYLVAN.  
 136. LEONORE OF SYLVAN.  
 T. S. Moberley, Richmond, Ky.  
 118. MARY ABBOTTSBURN 1st.  
 119. MARY ABBOTTSBURN 2d.  
 T. A. Alban & Son, Venedocia, Ohio.  
 133. ROSE OF CLOVERLEAF.  
 134. COLUMBIA.  
 W. C. Edwards, Rockland, Ont.  
 142. MOSS ROSE OF STRATHLEVEN.  
 A. M. Kent, Jamestown, N. Y.  
 141. ISABELLA 2d.  
 O. W. Fisher, Assumption, Ill.  
 138. GLENATHAN.  
 139. MAID OF ATHA 2d.  
 T. W. Hunt, Ashton, Ill.  
 140. BEAUTIFUL BELLE.  
 J. & W. Russell, Richmond Hill, Ont.  
 143. CENTENNIAL ISABELLA 27th.  
 144. ROSE OF ANTRIM 4th.  
 H. & W. Smith, Hay, Ont.  
 145. VANITY.

Section 8. Heifer, under 1 year.

Premiums:	1st	2d	3d	4th
	\$40.00	\$30.00	\$20.00	\$15.00

- A. D. De Garmo, Highland Station, Mich.  
 160. FANNY 61st.  
 161. FANNY 60th.

0-4-60  
M B CONLEY COMPANY  
LOW A 10  
MOB-D 2 C 100000 EXE-100  
M B  
COMMAN IN 1813

# JUDGES.

## DIVISION A--CATTLE.

- CLASS 1—SHORT-HORN. J. H. Pickrell, Chicago. Consulting Judges: H. C. Duncan, Osborne, Ind.; J. T. Gibson, Deerfield, Ontario.
- CLASS 2—HEREFORD. J. A. Funkhouser, Plattsburg, Mo.
- CLASS 3—ABERDEEN-ANGUS. John G. Imboden, Decatur, Ill.
- CLASS 4—GALLOWAY. David McCrath, Chicago, Ont.
- CLASS 5—DEVON. Benj. R. Eldredge, Provo City, Utah.
- CLASS 6—JERSEY. Henry V. Alvord, Washington, D. C.
- CLASS 7—HOLSTEIN-FRIESIAN. Thos. B. Wales, Boston, Mass.
- CLASS 8—AYRSHIRE. Geo. C. Buchanan, Quebec, Can.
- CLASS 9—GUERNSEY. Edward Burnett, Madison, N. J.
- CLASS 11—RED POLLED. J. W. Martin, Richland City, Wis.
- CLASS 12—POLLED DURHAM. J. H. Pickrell, Chicago.
- CLASS 13—DUTCH BELTED. D. H. Branson, Altgers, Pa.
- CLASS 14—BROWN SWISS. Wm. Andrew, Lake Forest, Ill.

## DIVISION B--HORSES.

- CLASS 23—FRENCH COACH. R. B. Ogilvie, Madison, Wis.
- CLASS 24—GERMAN COACH. Landstallmeister, Von Oettingen Beberbeck.
- CLASS 25—CLEVELAND BAY. Alex. Galbraith, Janesville, Wis.
- CLASS 26—PERCHERON. Thomas Slatterly, Onarga, Ill.
- CLASS 27—CLYDESDALE. Alex. Wier, Sandelmains, Lanark, Scotland. Consulting Judges: John C. Huston, Blandinsville, Ill.; E. W. Charlton, Duncrief, Ont.
- CLASS 28—SHIRE. Joseph Watson, Beatrice, Neb.
- CLASS 29—FRENCH DRAFT. Robt. Graham, Claremont, Ont.
- CLASS 30—BELGIAN. Reiterschafts Director, Von Soldern Plattenburg.
- CLASS 31—SUFFOLK PUNCH. Alex. Galbraith, Janesville, Wis.
- CLASS 32—HACKNEY. A. J. Cassatt, Philadelphia, Pa.
- CLASS 33—MORGAN. R. W. Goodrich, Poultney, Vt.
- CLASS 34—ARAB. F. F. Vidal, Suffolk, England.
- CLASS 35—AMERICO-ARAB. F. F. Vidal, Suffolk, England.
- CLASS 36—FRENCH TROTTER. Wm. Barner, Beaver Dam, Wis.
- CLASS 36½—RUSSIAN. M. W. Dunham, Wayne, Ill.
- CLASS 37—SADDLE. C. B. White, Chicago.
- CLASS 38—SHETLAND PONY. Eli Elliott, West Liberty, Iowa.
- CLASS 39—JACKS AND JENNETS. Albert Babb, Springfield, Ill.
- SPECIAL CLASS—MOLES. Albert Babb, Springfield, Ill.

# Programme in Stock Pavilion.

9 A. M. TO 2 P. M.

**ADMISSION TO PAVILION FREE.**



*Tuesday, August 22d.*

Cattle, Class 1, Short-Horn.

Horses, Class 31, Suffolk Punch

*Wednesday, August 23d.*

Cattle, Class 1, Short-Horn.

Horses, Class 26, Percheron.

*Thursday, August 24th.*

Cattle, Class 2, Hereford.

Horses, Class 27, Clydesdale.

*Friday, August 25th.*

Cattle, Class 3, Aberdeen-Angus.

Horses, Class 28, Shire.

" " 29, French Draft.

*Saturday, August 26th.*

Cattle, Class 4, Galloway.

Horses, Class 30, Belgian.

*Monday, August 28th.*

Cattle, Class 6, Jersey.

Horses, Class 34, Arab.

" " 35, Americo-Arab.

*Tuesday, August 29th.*

Cattle, Class 6, Jersey.

Horses, Class 25, Cleveland Bay.

" " 23, French Coach.

*Wednesday, August 30th.*

Cattle, Class 7, Holstein-Friesian.

Horses, Class 24, German Coach.

*Thursday, August 31st.*

Cattle, Class 9, Guernsey.

Horses, Class 32, Hackney.

*Friday, September 1st.*

Cattle, Class 5, Devon.

Horses, Class 33, Morgan.

*Saturday, September 2d.*

Cattle, Class 8, Ayrshire.

Horses, Class 39, Jacks.

Special " Mules.

*Monday, September 4th*

Cattle, Class 11, Red Polled.

*Tuesday, September 5th*

Cattle, Class 12, Polled Durham.

Horses, Class 37, Saddle.

" " 13, Dutch Belted.

*Wednesday, September 6th.*

Cattle, Class 14, Brown Swiss.

Horses, Class 36½, Russian Horses

*Thursday, September 7th.*

Cattle, Class 15, Sweepstakes by Ages, Beef Breeds. Horses, Class 36, French Trotter.

" " 16, " " " General Purpose.

*Friday, September 8th.*

Cattle, Class 17, Grand Sweepstakes by Ages.

Horses, Class 38, Shetland Pony.

18, " " Herd.

# BARN LOCATION OF CATTLE AND HORSES.

## CATTLE.

CLASS.	BLOCK.	BARN.
1 Short-Horns .....	D .....	4, 6, 7
2 Herefords .....	D .....	5, 8
3 Aberdeen-Angus .....	C .....	6
4 Galloways .....	C .....	7
5 Devons .....	D .....	3, 5, 8
6 Jerseys .....	D .....	1, 2, 3
7 Holstein-Friesians .....	C .....	8
8 Ayrshires .....	C .....	2, 4
9 Guernseys .....	C .....	2, 4
10 Red Polls .....	D .....	1, 2, 3
12 Friesian Durhams .....	D .....	4
13 Dutch Belted Cattle .....	D .....	1
14 Brown Swiss .....	Dairy Barn	5

## HORSES.

CLASS.	BLOCK.	BARN.
1 English Warmbloods .....	A .....	4, 5
2 English Warmbloods .....	{ A .....	5
3 English Warmbloods .....		2
4 English Warmbloods .....		1
5 English Warmbloods .....	B .....	1
6 English Warmbloods .....	C .....	1
7 English Warmbloods .....	A .....	3, 4
8 English Warmbloods .....	A .....	2
9 English Warmbloods .....	B .....	3, 5
10 English Drafts .....	B .....	4
11 English Drafts .....	A .....	5
12 English Drafts .....	B .....	3
13 English Drafts .....	B .....	5
14 Morgans .....	B .....	2, 4
15 Arabs .....	A .....	2
16 American-Arabs .....	A .....	2
17 French Trotters .....	A .....	4
18 Russian Horses .....	C .....	
19 Saddle Horses .....	A .....	1
20 Shetland Ponies .....		
21 Jacks and Jennets .....		
22 Special Class. Mules .....		

# LIVE STOCK PAVILION.

THE Live Stock Pavilion in which all animals are shown for award is located at the rear of the Colonnade which connects Machinery Hall with the Agricultural Building and is reached by four grand entrances, one in the center of the Colonnade and one at either end. In addition to these there are a large number of entrances, making it easy of access from all sides. The extreme measurements of the building are 800x440 feet, covering an area of three acres. The general arrangement of the structure is the same as the Colosseum at Rome, the structure of the former being Romanesque and the latter purely classic, of the Doric order. There is very little ornament on this building save the balustrade which tops the cornice. The seating capacity is 10,000.

Under the Amphitheatre are the offices of the Chief of the Department and Superintendents of Divisions, with the entire office force of the Department except the Veterinary Surgeon, whose office is in Dairy Barn No. 6.

The Pavilion is elliptical in outline and covers an area of 280x450 feet. The total area of the arena embraces about 60,000 square feet and is paved with white cedar blocks covered with tanbark, affording good footing for the animals.

The Live Stock Barns are located south of the Pavilion, covering, with the intervening driveways, twenty-seven acres of ground. Accommodations are provided for some 3,000 animals in stalls, averaging from four feet six inches to 10 feet in width. They are provided with water, scales for weighing animals, etc. The sleeping accommodations for men in charge of stock are on the gallery floor of the barns above the stalls. Every precaution has been taken to insure proper ventilation and safety of the animals on exhibition.

The cost of the Pavilion, barns and roadways is \$220,000.

The sum of \$150,000 cash premiums has been appropriated by the Exposition Directory for awards. This has been largely supplemented by special offerings of the several States and of the Live Stock Associations. In addition, valuable aid has been accorded by a number of State Commissions, who pay the stripping charges, feed, etc., on stock from their several states.

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# DEPARTMENT C.—LIVE STOCK.

## DIVISION A.—CATTLE.

### CLASS I.—SHORT HORNS.

Location—Block D. Barns 4, 6 and 7.

Section 1.—Bull, 3 years old or over.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

- T. W. Ragsdale, Paris, Mo.
6. BRITISH JUBILEE.
- F. Birdsall, Birdsall, Ont.
12. WAVERLY.
- J. H. Potts & Son, Jacksonville, Ill.
1. THISTLEWOOD 95417, 5 years old; s. *Imp.* Thistletop 88876; d. *Imp.* Victoria 63 by Pride of the Isles 35072. Bred by W. A. Harris, Lawrence, Kas.
- A. M. Kent, Jamestown, N. Y.
13. SCOTTISH VICTOR.
- W. B. Cockburn, Aberfoyle, Ont.
4. GREENHOUSE CHIEF.
5. BRITISH CHIEF.
- W. C. Edwards, Rockland, Ont.
14. DOCTOR LENTON.
- H. F. Brown, Minneapolis, Minn.
9. EARL FAME 8th.
10. GOLDEN RULE.
- T. S. Moberley, Richmond, Ky.
2. ABBOTTSBURN.
3. NONPAREIL CHIEF.
- J. G. Robbins & Sons, Horace, Ind.
7. GAY MONARCH.
8. SANTA CLAUD.
- T. A. Alban & Son, Venedocia, Ohio.
11. FAMOUS CHIEF.

Section 2.—Bull, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

- B. O. Cowan, New Point, Mo.
18. LORD WATERLOO 112746, 2 years old; s. Double Barmpton 102505; d. Water Lily 3d by *Imp.* Scottish Lord 77761. Bred by exhibitor.

- J. H. Potts & Son, Jacksonville, Ill.
15. CHANCELLOR 106791, 2 years old; s. *Imp.* King of Aberdeen 75747; d. *Imp.* Lavender 47th by Chancellor 68693. Bred by exhibitor.
- Abram Renick, Sycamore, Ky.
19. 10th AIRDRIE OF SHARON.
- J. & W. Russell, Richmond Hill, Ont.
25. PRINCE ROYAL.
- H. F. Brown, Minneapolis, Minn.
21. IMPERIAL PRINCE.
- L. W. Brown & Sons, New Berlin, Ill.
16. YOUNG MARSHALL.
17. YEODOR.
- W. G. Sanders, St. Thomas, Ont.
26. ELGIN CHIEF 16243, 2 years old; s. Indian Chief 57485; d. Daisy's Beauty by *Imp.* Eclipse 49526. Bred by Arthur Johnston, Greenwood, Ont.
- Green Brothers, Indianola, Ill.
20. ROYAL PHYLLIS.
- O. W. Fisher, Assumption, Ill.
22. MARY'S WATERLOO EARL.
- W. C. Edwards, Rockland, Ont.
24. KNIGHT OF ST. JOHN.
- A. M. Kent, Jamestown, N. Y.
23. MAJOR MCKINLEY.
- John T. Gibson, Deerfield, Ont.
27. JOCELYN.
- Thomas Andrews, Cambridge, Nev.
28. MAJOR COWSLIP.

Section 3.—Bull, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

- T. A. Alban & Son, Venedocia, Ohio.
39. ALLEN BOY.
- J. H. Potts & Son, Jacksonville, Ill.
29. LAVENDER KING 4th 108682, 1 year old; s. *Imp.* King of Aberdeen 75747; d. *Imp.* Lavender of Oakland by Varra 58341. Bred by exhibitor.
- R. & S. Nicholson, Sylvan, Ont.
40. NORSEMAN.
41. VALASCO 21st.
- H. F. Brown, Minneapolis, Minn.
37. FIFER.
38. SCOTCHMAN 4th.

**A. D. De Garmo, Highland Station, Mich.**

30. POLLED DUKE.

**Green Bros., Indianola, Ill.**

35. ROYAL CONSUL 2d.

**J. & W. Russell, Richmond Hill, Ont.**

42. LORD BLANLEY.

**Abram Renick, Sycamore, Ky.**

34. ACKLA & SHARON 5th.

**B. O. Cowan, New Point, Mp.**

32. COLUMBUS.

**L. W. Brown & Sons, New Berlin, Ill.**

31. KING RICHARD.

**T. W. Hunt, Ashton, Ill.**

59. SHINING STAR.

**T. S. Moberley, Richmond, Ky.**

30. PHYLLIS ABBOTTSBURN.

**T. W. Ragsdale, Paris, Mo.**

33. CROWN KING.

**John Isaac, Markham, Ont.**

43. GOLDEN CROWN.

#### Section 4. Bull, under 1 year.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

**W. C. Edwards, Rockland, Ont.**

60. SOLICITOR GENERAL.

61. LYNDHURST 3d.

**J. H. Potts & Son, Jacksonville, Ill.**

44. LAVENDER KING 6th 112645, 8

months old; s. *Imp. King of Aberdeen* 75747;

d. *Imp. Lavender* 1st by *Barnpton* 45246.

Bred by exhibitor.

**A. D. De Garmo, Highland Station, Mich.**

51. POLLED DUKE 2d.

52. POLLED DUKE 4th.

**H. F. Brown, Minneapolis, Minn.**

53. VICTOR OF BROWNDALE.

54. LORD WILD EYES.

**W. G. Sanders, St. Thomas, Ont.**

64. DAISY'S PRINCE 17858, under 1

year; s. *Valasco* 14th 10440; d. *Daisy's*

*Star* by *Duke of Lavender*. Bred by exhibitor.

**L. W. Brown & Sons, New Berlin, Ill.**

46. GOLD DUST.

**O. W. Fisher, Assumption, Ill.**

58. CLEAR THE WAY.

**W. B. Cockburn, Aberfoyle, Ont.**

47. INDIAN WARRIOR.

48. LORD SANDERS.

**J. D. Varner, Indianola, Ill.**

56. RED KNIGHT.

57. COLUMBUS.

**John Morgan & Sons, Kerwood, Ont.**

55. GOLDFINDER.

**J. & W. Russell, Richmond Hill, Ont.**

62. BORDER CHIEF.

63. PRINCE OF KINNEAR.

1 5 Moberley, Richmond, Ky.

45. PROUD ABBOTTSBURN.

**B. O. Cowan, New Point, Mch.**

49. LORD WATERLOO.

50. PLATO.

#### Section 5. Cow, 3 years and over.

Premiums: \$40.00 \$30.00 \$20.00 \$15.00

**Abram Renick, Sycamore, Ky.**

75. ROSE OF NAGLE.

**Green Bros., Indianola, Ill.**

76. SCOTTISH LADY 1st.

77. MOULETTE.

**W. B. Cockburn, Aberfoyle, Ont.**

71. VILLAGE FLY 1st.

72. WEMPLE OF HOLTON 2d.

**J. & W. Russell, Richmond Hill, Ont.**

89. MAID OF IRONISE.

90. QUEEN MARY.

**H. F. Brown, Minneapolis, Minn.**

80. ELVIRA OF BROWNDALE.

81. VICTORIA OF GLENWOOD.

**O. W. Fisher, Assumption, Ill.**

83. LOVELY PRIDE.

84. 17th SCOTTISH LADY.

**J. G. Robbins & Sons, Horace, Ind.**

78. MODESTY.

79. GAY MARY.

**W. C. Edwards, Rockland, Ont.**

87. BELINDA.

88. BESSIE OF ROCKLAND.

**T. S. Moberley, Richmond, Ky.**

67. FOREST BELLE 1st.

68. 3d HUDSON DUCHESS OF F

EST GROVE.

**L. W. Brown & Sons, New Berlin, Ill.**

69. ACOMB OF MAPLEWOOD.

70. 16th NELLY BLY OF RIVI

DALE.

**T. A. Alban & Son, Venedocia, Ohio.**

82. AMELIA.

**A. M. Kent, Jamestown, N. Y.**

85. REGINA.

86. VIOLET.

**T. W. Ragsdale, Paris, Mo.**

73. YOUNG MARY OF MAP

GROVE.

74. BRITISH MAID.

**J. H. Potts & Son, Jacksonville, Ill.**

65. SEMPSTRESS OF OAKLAND

(vol. 3, p. 757), 4 years old; s. *Imp. K*

of *Aberdeen* 75747; d. *Sempstress* 3d

*Proud Duke* 3660. Bred by exhibitor.

66. EMMA 11th (vol. 4, p. 725), 3 ye

old; s. *Imp. King of Aberdeen* 75747;

*Emma* 7th by *Imp. Antiquary* 49

Bred by exhibitor.

**John Isaac, Markham, Ont.**

91. MAID OF PRIMROSE 6th.

**Thos. Andrews, Cambridge, Neb.**

92. ANN SWERLEY.

93. MURRIETTA.

Section 6. Heifer, 2 years old and under 3.

Premiums:	1st	2d	3d	4th
	\$50.00	\$35.00	\$20.00	\$15.00

- Green Bros., Indianapolis, Ill.  
 104. SHARONESS OF MAPLE GROVE 3d.  
 J. G. Robbins & Sons, Horace, Ind.  
 105. NORA DAVIS.  
 106. RED BELLE.  
 Abram Renick, Sycamore, Ky.  
 96. MINNIE 2d.  
 97. AIRDRIE ROSE.  
 T. W. Ragsdale, Paris, Mo.  
 100. COUNTESS LOUANN OF OAKLAND 3d.  
 101. YOUNG MARY 2d.  
 W. B. Cockburn, Aberfoyle, Ont.  
 99. NONPAREIL PRIZE.  
 J. H. Potts & Son, Jacksonville, Ill.  
 94. SURPRISE OF OAKLAND 3d (vol. 37, p. 787); s. *Imp.* King of Aberdeen 7547; d. *Imp.* Surprise by Chancellor 47568. Bred by exhibitor.  
 95. FANNIE AIRDRIE 25th (vol. 37, p. 787); s. Thistlewood 95417; d. Fannie Airdrie 6th by *Imp.* Duke of Richmond 2125. Bred by exhibitor.  
 H. F. Brown, Minneapolis, Minn.  
 107. IMP. RED EMPRESS.  
 108. OXFORD DUCHESS OF BROWNDAL 2d.  
 L. W. Brown & Sons, New Berlin, Ill.  
 98. FANNIE OXFORD 4th.  
 T. S. Moberley, Richmond, Ky.  
 96. FOREST BELLE 17th.  
 97. GEM OF HICKORY PARK 3d.  
 T. A. Alban & Son, Venedocia, Ohio.  
 109. OHIO GIRL.  
 110. RED LADY.  
 W. C. Edwards, Rockland, Ont.  
 114. ROSEWATER.  
 A. M. Kent, Jamestown, N. Y.  
 113. ROSEBUD.  
 O. W. Fisher, Assumption, Ill.  
 111. ROSE MONTRATH.  
 112. JESSIE HOPEWELL.  
 J. & W. Russell, Hamilton, Ont.  
 115. CENTENNIAL ISABELLA 2d.

Section 7. Heifer, 1 year old and under 2.

Premiums:	1st	2d	3d	4th
	\$40.00	\$30.00	\$20.00	\$15.00

- Green Bros., Indianapolis, Ill.  
 127. FASTER DAY OF MAPLE GROVE 2d.  
 128. LUCILLE 5th.  
 J. G. Robbins & Sons, Horace, Ind.  
 129. PFERLESS.  
 130. LADY VERVENA.

Abram Renick, Sycamore, Ky.

125. MINNIE'S 27th DUCHESS GE-NEVA.  
 126. POPPY 80th.  
 T. W. Ragsdale, Paris, Mo.  
 122. FANCY OF OAKLAND.  
 W. B. Cockburn, Aberfoyle, Ont.  
 121. WEMPLE BIRDIE.  
 B. O. Cowan, New Point, Mo.  
 123. DORA 6th; s. *Imp.* Scottish Lord 77761; d. Dora 2d by Bell Duke of Thordale 42868. Bred by exhibitor.  
 124. LILY FOREST 6th; s. *Imp.* Scottish Lord 77761; d. Lily Forest 3d by Bell Duke of Thordale 42868. Bred by exhibitor.  
 J. H. Potts & Son, Jacksonville, Ill.  
 116. SURPRISE OF OAKLAND 4th (vol. 37, p. 787); s. *Imp.* King of Aberdeen 75747; d. *Imp.* Surprise by Chancellor 47568. Bred by exhibitor.  
 117. CAROLINE OF OAKLAND 6th (vol. 37, p. 787); s. Thistlewood 95417; d. Caroline of Oakland 5th by *Imp.* King of Aberdeen 75747. Bred by exhibitor.  
 H. F. Brown, Minneapolis, Minn.  
 131. ELVIRA OF BROWNDAL 5th.  
 132. MYSEL OF BROWNDAL 5th.  
 L. W. Brown & Sons, New Berlin, Ill.  
 120. MARGUERITE 5th.  
 John Morgan & Sons, Kerwood, Ont.  
 137. SUSSEX MAID.  
 R. & S. Nicholson, Sylvan, Ont.  
 135. 21st MAID OF SYLVAN.  
 136. LEONORE OF SYLVAN.  
 T. S. Moberley, Richmond, Ky.  
 118. MARY ABBOTTSBURN 1st.  
 119. MARY ABBOTTSBURN 2d.  
 T. A. Alban & Son, Venedocia, Ohio.  
 133. ROSE OF CLOVERLEAF.  
 134. COLUMBIA.  
 W. C. Edwards, Rockland, Ont.  
 142. MOSS ROSE OF STRATHLEVEN.  
 A. M. Kent, Jamestown, N. Y.  
 141. ISABELLA 2d.  
 O. W. Fisher, Assumption, Ill.  
 138. GLENATHAN.  
 139. MAID OF ATHA 2d.  
 T. W. Hunt, Ashton, Ill.  
 140. BEAUTIFUL BELLE.  
 J. & W. Russell, Richmond, Ill.  
 143. CENTENNIAL ISABELLA 27th.  
 144. ROBBIE OF ANTRIM 11th.  
 H. & W. Smith, Hay, Ont.  
 145. VANITY.

Section 8. Heifer, under 1 year.

Premiums:	1st	2d	3d	4th
	\$40.00	\$30.00	\$20.00	\$15.00

- A. D. De Garmo, Highland Station, Mich.  
 160. FANNY 61st.  
 161. FANNY 59th.

Green Bros., Indianola, Ill.

159. YOUNG MARY OF MAPLE GROVE 4th.

J. G. Robbins &amp; Sons, Horace, Ind.

162. NANCY HANKS.

163. SUNFLOWER.

B. O. Cowan, New Point, Mo.

155. SCOTTISH MARY 4th.

156. MARY BYRON 4th.

Abram Renick, Sycamore, Ky.

157. RED ROSE OF SHARON 19th.

158. MINNIE'S 28th DUCHESS OF GENEVA.

T. W. Ragsdale, Paris, Mo.

154. QUEEN OF MONROE.

W. B. Cockburn, Aberfoyle, Ont.

152. MINNIE OF MEDPATH 14th.

153. EDGNIA.

J. H. Potts &amp; Son, Jacksonville, Ill.

146. EMMA 14th (vol. 39), 8 months old;

s. Thistlewood 95417; d. Emma 7th by Imp.

Antiquary 49774. Bred by Exhibitor.

147. FANNIE AIRDRIE 35th (vol. 38, p. 603), 9 months old; s. Golden Knight 103409;

d. Fannie Airdrie 24th by Thistlewood 95417.

Bred by exhibitor.

H. F. Brown, Minneapolis, Minn.

164. ROSEMARY OF BROWNDAL.

165. LADY FANNIE.

L. W. Brown &amp; Sons, New Berlin, Ill.

150. LADY MASON OF BERLIN 10th.

151. 2d CORDELIA OF MAPLEWOOD.

J. D. Varner, Indianola, Ill.

168. CLARIBELLE.

169. NEW YEAR'S GIFT.

R. &amp; S. Nicholson, Sylvan, Ont.

167. LEONORE OF SYLVAN 7th.

T. S. Moberley, Richmond, Ky.

148. MARY ABBOTTSBURN 5th.

149. MARY ABBOTTSBURN 7th.

T. A. Alban &amp; Son, Venedocia, Ohio.

166. ROAN BEAUTY.

W. C. Edwards, Rockland, Ont.

173. LADY FAME.

174. BARBARINA.

A. M. Kent, Jamestown, N. Y.

172. KERT'S BEAUTY 2d.

O. W. Fisher, Assumption, Ill.

170. RUTH.

T. W. Hunt, Ashton, Ill.

171. SILVER FLOWER.

J. &amp; W. Russell, Richmond Hill, Ont.

175. RUBY PRINCESS.

176. CENTENNIAL ISABELLA 30th.

Section 9.—Herd, consisting of one bull 2 years old or over, one cow 3 years old or over, one heifer 2 years old and under 3, one heifer 1 year old and under 2, one heifer under 1 year.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

Green Bros., Indianola, Ill.

20. ROYAL PHYLLIS 3d.

77. ROULETTE.

104. SHARONNESS OF MAPLE GROVE.

127. EASTER DAY OF MAPLE GROVE.

159. YOUNG MARY OF MAPLE GROVE 4th.

J. G. Robbins &amp; Sons, Horace, Ind.

7. GAY MONARCH.

79. GAY MARY. □

105. NORA DAVIS.

130. LADY VERBENA.

162. NANCY HANKS.

Abram Renick, Sycamore, Ky.

19. 10th AIRDRIE OF SHARON.

75. ROSE OF NIAGARA.

97. AIRDRIE ROSE.

125. MINNIE'S 27th DUCHESS OF GENEVA.

157. RED ROSE OF SHARON 19th.

T. W. Ragsdale, Paris, Mo.

6. BRITISH JUBILEE.

73. YOUNG MARY OF MAPLE GROVE.

101. YOUNG MARY 2d.

122. FANCY OF OAKLAND.

154. QUEEN OF MONROE.

W. B. Cockburn, Aberfoyle, Ont.

5. BRITISH CHIEF.

71. VILLAGE LILY.

99. NONPAREIL.

121. WEMPLE BIRDIE.

152. MINNIE OF MEDPATH 14th.

J. H. Potts &amp; Son, Jacksonville, Ill.

1. THISTLEWOOD.

66. EMMA 11th.

94. SURPRISE OF OAKLAND 3d.

116. SURPRISE OF OAKLAND 4th.

147. FANNIE AIRDRIE 35th.

H. F. Brown, Minneapolis, Minn.

9. EARL FAME 8th.

80. ELVIRA OF BROWNDAL 3d.

107. IMP. RED EMPRESS.

131. ELVIRA OF BROWNDAL 5th.

164. ROSEMARY OF BROWNDAL

H. F. Brown, Minneapolis, Minn.

10. GOLDEN RULE.

81. VICTORIA OF GLENWOOD 8th.

108. OXFORD DUCHESS OF BROWNDAL 2d.

132. MYSIE OF BROWNDAL 2d.

LADY FAME.

L. W. Brown &amp; Sons, New Berlin, Ill.

16. YOUNG MARSHALL.

69. ACOMB OF MAPLEWOOD.

98. FANNY OXFORD 4th.

120. MARGUERITE 5th.

150. LADY MASON OF BERLIN 10th.

- T. S. Moberley, Richmond, Ky.  
 68. 3d HUDSON DUCHESS OF FOREST GROVE.  
 97. GEM OF HICKORY PARK 3d.  
 112. MARY ABBOTTSBURN 1st.  
 148. MARY ABBOTTSBURN 5th.  
 T. S. Moberley, Richmond, Ky.  
 3. NONPAREIL CHIEF.  
 67. FOREST BELLE 15th.  
 FOREST GROVE FANTAIL 6th.  
 FOREST GROVE PHYLLIS 3d.  
 149. MARY ABBOTTSBURN 7th.  
 T. A. Alban & Son, Venedocia, Ohio.  
 11. FAMOUS CHIEF.  
 82. AMELIA.  
 109. OHIO GIRL.  
 133. ROSE OF CLOVERLEAF.  
 166. ROAN BEAUTY.  
 A. M. Kent, Jamestown, N. Y.  
 13. SCOTTISH VICTOR.  
 85. REGINA.  
 113. ROSEBUD.  
 141. ISABELLA 22d.  
 J. & W. Russell, Richmond Hill, Ont.  
 25. PRINCE ROYAL.  
 89. MAID OF PROMISE 6th.  
 113. CENTENNIAL ISABELLA 25th.  
 143. CENTENNIAL ISABELLA 27th.  
 176. CENTENNIAL ISABELLA 30th.

Section 10.—Young herd, consisting of one bull and four heifers, all under 2 years. Bred by exhibitor.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

A. D. De Garmo, Highland Station, Mich.

34. POLLED DUKE.  
 160. FANNY 61st.  
 61. FANNY 59th.  
 DE GARMO'S OXFORD VAN-QUISH.  
 DE GARMO'S BELL DUCHESS.  
 Green Bros., Indianola, Ill.  
 35. ROYAL CONSUL 2d.  
 127. EASTER DAY OF MAPLE GROVE 2d.  
 128. LUCILLE 5th.  
 159. YOUNG MARY OF MAPLE GROVE 3d.  
 SHARONNESS OF MAPLE GROVE 5th.

B. O. Cowan, New Point, Mo.

32. COLUMBUS.  
 123. DORA 6th.  
 124. LILLY FOREST 6th.  
 135. SCOTTISH MARY 4th.  
 VARINA BARMPTON.  
 Abram Renick, Sycamore, Ky.  
 34. ACKLAM SHARON 5th.

125. MINNIE'S 27th DUCHESS OF GENEVA.  
 126. POPPY 80th.  
 157. RED ROSE OF SHARON 19th.  
 158. MINNIE'S 28th DUCHESS OF GENEVA.  
 J. H. Potts & Son, Jacksonville, Ill.  
 29. LAVENDER KING 4th.  
 116. SURPRISE OF OAKLAND 4th.  
 117. CAROLINE OF OAKLAND 6th.  
 SANSPAREIL OF OAKLAND 6th (vol. 38, p 603); s. Thistlewood 95417; d. Sanspareil of Oakland 3d by Imp. King of Aberdeen 75747. Bred by exhibitor.  
 EMMA 18th (vol. b 38, p 603); s. Thistlewood 95417; d. Emma 10th by Imp. King of Aberdeen 75747. Bred by exhibitor.  
 H. F. Brown, Minneapolis, Minn.  
 BROWNDAL PRINCE.  
 131. ELVIRA OF BROWNDAL 5th.  
 SPICY OF BROWNDAL.  
 132. MYSIE OF BROWNDAL.  
 CONSTANCE OF BROWNDAL 13th.

J. D. Varner, Indianola, Ill.

56. RED KNIGHT.  
 RED PRINCESS.  
 168. CLARIBELLE.  
 169. NEW YEAR'S GIFT.  
 ISABELLE.

R. & S. Nicholson, Sylvan, Ont.

41. VALASCO 21st.  
 21st MAID OF SYLVAN.  
 167. LEONORE OF SYLVAN 5th.  
 LEONORE OF SYLVAN 3d.  
 LEONORE OF SYLVAN 2d.

T. S. Moberley, Richmond, Ky.

30. PHYLLIS ABBOTTSBURN.  
 118. MARY ABBOTTSBURN 1st.  
 FOREST GROVE PHYLLIS 3d.  
 MARY ABBOTTSBURN 2d.  
 119. MARY ABBOTTSBURN 3d.  
 J. & W. Russell, Richmond Hill, Ont.  
 LORD STANLEY.  
 143. CENTENNIAL ISABELLA 27th.  
 144. ROSE OF ANTRIM 11th.  
 176. CENTENNIAL ISABELLA 30th.  
 175. RUBY PRINCESS.

Section 11.—Four animals of either sex, under 4 years the get of one sire:

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

T. S. Moberley, Richmond, Ky.

45. PROUD ABBOTTSBURN.  
 5th HUDSON DUCHESS OF FOREST GROVE.  
 MARY ABBOTTSBURN 4th.  
 148. MARY ABBOTTSBURN 5th.  
 149. MARY ABBOTTSBURN 7th.

**T. A. Alban & Son, Venedocia, Ohio.**

- 39. ALLEN BOY.
- 133. ROSE OF CLOVERLEAF.
- 134. COLUMBIA.
- 166. ROAN BEAUTY.
- KIRK OF CLOVERLEAF.
- MARY'S WATERLOO EARL.
- LOVELY PRIDE.
- ROSE MONTRATH.
- GLEN YTHAN.
- RUTH.

**A. D. De Garmo, Highland Station, Mich.**

- 160. FANNY 61st.
- 161. FANNY 59th.
- DE GARMO'S OXFORD VAN-QUISH.
- DE GARMO'S BELLE DU-CHESS.

**Green Bros., Indianola, Ill.**

- ROYAL BRITON.
- ROYAL PHYLLIS 3d.
- 35. ROYAL CONSUL 2d.
- 77. ROULETTE.
- SHARONNESS OF MAPLE GROVE 2d.

**J. G. Robbins & Sons, Horace, Ind.**

- 7. GAY MONARCH.
- 79. GAY MARY.
- MONARCH'S LOVELY.
- 105. NORA DAVIS.
- 162. NANCY HANKS.

**B. O. Cowan, New Point, Mo.**

- SCOTTISH LORD.
- 124. LILY FOREST 6th.
- 32. COLUMBUS.
- SCOTTISH MARY 3d.
- DORA 6th.

**Abram Renick, Sycamore, Ky.**

- 46th DUKE OF AIRDRIE.
- 97. AIRDRIE ROSE.
- 125. MINNIE'S 27th DUCHESS OF GENEVA.
- 157. RED ROSE OF SHARON 19th.
- MINNIE'S 29th DUCHESS OF GENEVA.

**W. B. Cockburn, Aberfoyle, Ont.**

- INDIAN CHIEF.
- 4. GREENHOUSE CHIEF.
- 5. BRITISH CHIEF.
- NONPAREIL PRIZE.
- 47. INDIAN WARRIOR.

**J. H. Potts & Son, Jacksonville, Ill.**

- IMP. KING OF ABERDEEN.
- 15. CHANCELLOR.
- 66. EMMA 11th.
- 94. SURPRISE OF OAKLAND 3d.
- 116. SURPRISE OF OAKLAND 4th.

**L. W. Brown & Sons, New Berlin, Ill.**

- 17. YEODOR.
- YEODOR MAZURKA.
- 98. FANNY OXFORD 4th.
- MARGUERITE.
- LADY MASON OF BERLIN 10th

**J. D. Varner, Indianola, Ill.**

- FREDERICK WILLIAM 5th.
- 56. RED KNIGHT.
- RED PRINCESS.

**168. CLARIBELLE.****169. NEW YEAR'S GIFT.****R. & S. Nicholson, Sylvan, Ont.**

- 41. VALASCO 21st.
- 135. 21st MAID OF SYLVAN.
- 5th LEONORA OF SYLVAN.
- 3d LEONORA OF SYLVAN.

**T. S. Moberley, Richmond, Ky.**

- THORNDAL ROSE DUKE.
- 15th ROSE OF FOREST GROVE.
- FOREST GROVE FANTAIL 6th.
- 96. FOREST BELLE 17th.
- FOREST BELLE 18th.

**T. S. Moberley, Richmond, Ky.**

- YOUNG ABBOTTSBURN.
- 118. MARY ABBOTTSBURN 1st.
- MARY ABBOTTSBURN 2d.
- 119. MARY ABBOTTSBURN 3d.
- MARY ABBOTTSBURN 4th.

**T. A. Alban & Son, Venedocia, Ohio.**

- ATHELSTANE 3d.
- 109. OHIO GIRL.
- 82. AMELIA.
- RED BIRD.
- 110. RED LADY.

**T. W. Hunt, Ashton, Ill.**

- SILVER STAR.
- 140. BEAUTIFUL BELIE.
- 171. SILVER FLOWER.
- RUTH.
- 59. SHINING STAR.

**J. & W. Russell, Richmond Hill, Ont.**

- 42. LORD STANLEY.
- 175. RUBY PRINCESS.
- NONPAREIL 50th.
- CENTENNIAL ISABELLA 25th.
- 176. CENTENNIAL ISABELLA 30th.

**J. & W. Russell, Richmond Hill, Ont.**

- 42. LORD STANLEY.
- 90. QUEEN MARY.
- 115. CENTENNIAL ISABELLA 25th.
- 143. CENTENNIAL ISABELLA 27th.

**Section 12. Two animals of either sex the produce of one cow.**

	1st	2d	3d	4th
Premiums:	\$40.00	\$40.00	\$20.00	\$10.00

**J. G. Robbins & Sons, Horace, Ind.**

- NORA.
- 105. NORA DAVIS.
- 162. NANCY HANKS.

**Abram Renick, Sycamore, Ky.**

- ROSEBUD 20th.
- ROSE OF SYCAMORE.
- 97. AIRDRIE ROSE.

- Abram Renick, Syracuse, Ky.  
MINNIE'S 13th DUCHESS OF GENEVA.  
125. MINNIE'S 27th DUCHESS OF GENEVA.  
158. MINNIE'S 28th DUCHESS OF GENEVA.  
W. B. Cockburn, Aberfoyle, Ont.  
DAISY STAR.  
4. GREENHOUSE CHIEF.  
5. BRITISH CHIEF.  
J. H. Potts & Son, Jacksonville, Ill.  
IMP. SURPRISE.  
94. SURPRISE OF OAKLAND 3d.  
116. SURPRISE OF OAKLAND 4th.  
H. F. Brown, Minneapolis, Minn.  
ELVIRA OF BROWDALE 3d.  
ELVIRA OF BROWDALE 4th.  
131. ELVIRA OF BROWDALE 6th.  
R. & S. Nicholson, Sylvan, Ont.  
11th LEONORA OF ELLENDALE.  
5th LEONORA OF SYLVAN.  
167. 7th LEONORA OF SYLVAN.  
T. S. Moberley, Richmond, Ky.  
SPACEWOOD MARY 3d.  
96. FOREST BELLE 17th.  
MARY ABBOTTSBURN 4th.  
T. S. Moberley, Richmond, Ky.  
FOREST BELLE 6th.  
FOREST BELLE 15th.  
149. MARY ABBOTTSBURN 1th.  
W. C. Edwards, Rockland, Ont.  
RUSSELL ROSE.  
114. ROSEWATER.  
A. M. Kent, Jamestown, N. Y.  
VIOLET.  
REGINA.  
23. MAJOR MCKINLEY.  
T. W. Hunt, Ashton, Ill.  
HETTIE BELLE.  
140. BEAUTIFUL BELLE.  
171. SILVER FLOWER.  
J. & W. Russell, Richmond Hill, Ont.  
ROAN PRINCESS.  
42. LORD STANLEY.  
RUBY PRINCESS.  
J. & W. Russell, Richmond Hill, Ont.  
ROAN PRINCESS.  
25. PRINCE ROYAL.  
QUEEN MARY.

SWEEPSTAKES.

Section 13.—Bull, any age.

Premiums: \$50.00 and medal.

- Green Bros., Indianapolis, Ill.  
20. ROYAL PHYLLIS 3d.  
J. G. Robbins & Sons, Horace, Ind.  
7. GAY MONARCH.  
Abram Renick, Syracuse, Ky.  
19. 16th AIRDRIE OF SHARON.  
34. ACKLAM SHARON.

- W. B. Cockburn, Aberfoyle, Ont.  
4. GREENHOUSE CHIEF.  
5. BRITISH CHIEF.  
F. Birdsall & Son, Birdsall, Ont.  
12. WAVERLY.  
J. H. Potts & Son, Jacksonville, Ill.  
1. THISTLEWOOD.  
15. CHANCELLOR.  
H. F. Brown, Minneapolis, Minn.  
9. EARLE FAME 8th.  
W. G. Sanders, St. Thomas, Ont.  
26. ELGIN CHIEF.  
John Isaac, Markham, Ont.  
43. GOLDEN CROWN.  
John T. Gibson, Deerfield, Ont.  
27. JOCELYN.  
Thomas Andrews, Cambridge, New H. I.  
28. MAJOR COWSLIP.  
L. W. Brown & Sons, New Berlin, Ill.  
16. YOUNG MARSHALL.  
John Morgan & Sons, Kerwood, Ont.  
55. GOLDFINDER.  
L. & S. Nicholson, Sylvan, Ont.  
40. NORSEMAN.  
41. VALASCO 21st.  
T. S. Moberley, Richmond, Ky.  
2. YOUNG ABBOTTSBURN.  
3. NONPAREIL CHIEF.  
A. M. Kent, Jamestown, N. Y.  
23. MAJOR MCKINLEY.  
O. W. Fisher, Assumption, Ill.  
22. MARY'S WATERLOO EARL.  
J. & W. Russell, Richmond Hill, Ont.  
25. PRINCE ROYAL.  
42. LORD STANLEY.  
T. W. Ragsdale, Paris, Mo.  
6. BRITISH JUBILEE.  
T. A. Alban & Son, Venedocia, Ohio.  
39. FAMOUS CHIEF.

Section 14.—Cow, any age.

- Premium: \$50.00 and medal.  
Green Bros., Indianapolis, Ill.  
75. SCOTTISH LADY 18th.  
77. ROULETTE.  
J. G. Robbins & Sons, Horace, Ind.  
79. GAY MARY.  
105. NORA DAVIS.  
B. O. Cowan, New Point, Mo.  
123. DORA 6th.  
Abram Renick, Syracuse, Ky.  
75. ROSE OF NIAGARA.  
102. MINNIE'S 23d.  
J. H. Potts & Son, Jacksonville, Ill.  
66. EMMA 11th.  
94. SURPRISE OF OAKLAND 3d.  
H. F. Brown, Minneapolis, Minn.  
80. ELVIRA OF BROWDALE 3d.  
81. VICTORIA OF GLENWOOD 8th.  
John Isaac, Markham, Ont.  
91. MAID OF PRIMROSE.

- H. & W. Smith, Hay, Ont. 145. VANITY.  
 Thomas Andrews, Cambridge, Neb. 92. ANN SWERLEY.  
 93. MURRIETTA.  
 J. & W. Russell, Richmond Hill, Ont. 90. QUEEN MARY.  
 W. B. Cockburn, Aberfoyle, Ont. 73. VILLAGE LILLY.  
 90. NONPAREIL PRIZE.  
 T. W. Ragsdale, Paris, Mo. 100. COUNTESS LOUANN OF OAKLAND 8th.  
 101. YOUNG MARY 2d.  
 T. A. Alban & Sons, Venedocia, Ohio. 109. OHIO GIRL.  
 J. H. Petts & Son, Jacksonville, Ill. 177. SANSPAREIL OF OAKLAND.  
 178. EMMA 18th.  
 L. W. Brown & Sons, New Berlin, Ill. 69. ACOMB OF MAPLEWOOD.  
 70. 16th NELLIE BLY OF RIVERDALE.  
 John Morgan & Sons, Kirkwood, Ont. 137. SUSSEX MAID.  
 R. & S. Nicholson, Sylvan, Ont. 136. 5th LEONORA OF SYLVAN.  
 167. 7th LEONORA OF SYLVAN.  
 T. S. Moberley, Richmond, Ky. 68. 3d HUDSON DUCHESS OF FOREST GROVE.  
 67. FOREST BELLE 15th.  
 A. M. Kent, Jamestown, N. Y. 85. REGINA.  
 O. W. Fisher, Assumption, Ill. 83. LOVELY PRIDE.  
 84. SCOTTISH LADY.  
 T. W. Hunt, Ashton, Ill. 140. BEAUTIFUL BELLE.

## CLASS II.—HEREFORDS.

Location—Block D. Barns 5 and 8.

Section 1.—Bull, 3 years old or over.

1st	2d	3d	4th
Premiums: \$50.00	\$35.00	\$20.00	\$15.00

- W. S. Van Natta, Fowler, Ind. 251. CHERRY BOY.  
 252. HENGLER.  
 Makin Bros., Florence, Kas. 253. VINCENT 2d.  
 G. S. Redhead, Des Moines, Iowa. 255. CAPTAIN GROVE.  
 Thomas Clark, Beecher, Ill. 256. SANHEDRIM.  
 H. H. Clough, Elyria, Ohio. 257. ANCIENT BRITON.  
 1st Pure World's Columbian Exposition.  
 258. KODA.

- E. E. Day, Weeping Water, Neb. 259. CAMEO.  
 Gudge & Simpson, Independence, Mo. 260. DON CARLOS.  
 Cosgrove Live Stock Co., Le Sueur, 261. WILDY 29th.  
 C. H. Elmendorf, Kearney, Neb. 254. EARL OF SHADELAND 30.  
 H. D. Smith, Compton, Que. 262. YOUNG TUSHINGHAM 2d.  
 F. A. Fleming, Weston, Ont. 263. COMMODORE.

Section 2.—Bull, 2 years and under.

1st	2d	3d
Premiums: \$50.00	\$35.00	\$20.00

- H. J. Fluck, Goodenow, Ill. 266. SITTING BULL.  
 Makin Bros. Florence, Kas. 264. ANXIETY BOY.  
 Gudge & Simpson, Independence, Mo. 268. BEAU BRUMMEL.  
 Todd Benjamin, Sugar George, Ill. 267. WILTON GROVE.  
 C. H. Elmendorf, Kearney, Neb. 265. EUREKA.  
 F. A. Fleming, Weston, Ont. 269. BARON BROADY.

Section 3.—Bull, 1 year and under.

1st	2d	3d
Premiums: \$50.00	\$35.00	\$20.00

- W. S. Van Natta, Fowler, Ind. 270. VENTURE.  
 271. CHICAGO LAD.  
 Makin Bros., Florence, Kas. 272. VINCENT 9th.  
 Thos. Clark, Beecher, Ill. 273. LARS.  
 H. H. Clough, Elyria, Ohio. 274. ACTOR.  
 Fourth Prize World's Columbian. 275. NUT CRACKER.  
 E. E. Day, Weeping Water, Neb. 276. DUKE OF THE SPR.  
 Gudge & Simpson, Independence. 277. LAMPLIGHTER.  
 Cosgrove Live Stock Co., Le Sueur. 278. FERT C.  
 279. WILDY 8th.  
 H. D. Smith, Compton, Que. 280. YOUNG INGLESHIDE.  
 F. A. Fleming, Weston, Ont. 281. FLY FAIR.

Section 4.—Bull, under 1 year.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

- H. J. Fluck, Goodenow, Ill.  
 309. MONITOR F.  
 Mackin Bros., Florence, Kas.  
 310. VINCENT 14th.  
 H. H. Clough, Elyria, Ohio.  
 311. COL. DAVIS.  
 Fourth Prize World's Columbian Exposition  
 312. DE FOREST.  
 Third Prize World's Columbian Exposition.  
 313. Greff & Simpson, Independence, Mo.  
 314. DON ALONZO.  
 Cosgrove Live Stock Co., Le Sueur, Minn.  
 315. MINNESOTA 2d.  
 316. YOUNG ARK.  
 Elmendorf, Kearney, Neb.  
 317. ST. TRISTRAM.  
 Fleming, Weston, Ont.  
 318. BARMAN.

W. S. Van Natta, Fowler, Ind.

309. ANNABEL.  
 310. JEWEL FOWLER.  
 Mackin Bros., Florence, Kas.  
 311. LADY MAUD VINCENT.  
 Geo. S. Redhead, Des Moines, Iowa.  
 312. CHERRY DUCHESS.  
 Thos. Clark, Beecher, Ill.  
 313. JINGLE.  
 H. H. Clough, Elyria, Ohio.  
 314. NEW YEAR'S GIFT.  
 Second Prize World's Columbian Exposition  
 315. E. E. Day, Weeping Water, Neb.  
 316. BEAUTY MAID.  
 317. BRIGHTMIGHT.  
 Gudgell & Simpson, Independence, Mo.  
 318. DONNA ANNA 7th.  
 Cosgrove Live Stock Co., Le Sueur, Minn.  
 319. WILTONIE 31st.  
 320. WILTONIE 33d.  
 C. H. Elmendorf, Kearney, Neb.  
 321. DORIS.  
 322. BELLE MODE.  
 H. D. Smith, Compton, Que.  
 323. SPOT.  
 F. A. Fleming, Weston, Ont.  
 324. LADY FENN.  
 325. PLAYFUL.

Section 5.—Cow, 3 years old or over.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

- W. S. Van Natta, Fowler, Ind.  
 MISS BEAU REAL.  
 326. BRITANNIA.  
 Mackin Bros., Florence, Kas.  
 327. BERRINGTON 2d.  
 S. Redhead, Des Moines, Ia.  
 328. SUNOL.  
 Thos. Clark, Beecher, Ill.  
 329. BESS.  
 330. PLUM.  
 H. H. Clough, Elyria, Ohio.  
 331. COCOANUT.  
 Fourth Prize World's Columbian Exposition.  
 332. E. E. Day, Weeping Water, Neb.  
 333. LABEL.  
 334. EUPATIA.  
 Greff & Simpson, Independence, Mo.  
 335. MYRTIS.  
 Elmendorf, Kearney, Neb.  
 336. ELLIE.  
 337. MISS WILTON.  
 Live Stock Co., Le Sueur, Minn.  
 338. WILTON LE SUEURESS 43d.  
 339. WILTONIE 19th.  
 H. D. Smith, Compton, Que.  
 340. ELY 3d.  
 341. LADY TUSHINGHAM 8d.  
 Fleming, Weston, Ont.  
 342. ELY WILTON.  
 343. BARBARA 8d.

Section 7.—Heifer, 1 year and under 2.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

- W. S. Van Natta, Fowler, Ind.  
 325. CHERRY LASS.  
 326. FAIRY BROWN.  
 H. J. Fluck, Goodenow, Ill.  
 331. SARAH BERNHARDT.  
 Mackin Bros., Florence, Kas.  
 337. LADY WILTONA VINCENT.  
 338. STATELY 14th.  
 Geo. S. Redhead, Des Moines, Iowa.  
 332. WALLFLOWER.  
 Thos. Clark, Beecher, Ill.  
 333. EVERGREEN FAIRY.  
 334. JUVENILE.  
 H. H. Clough, Elyria, Ohio.  
 335. DORCAS.  
 Fourth Prize World's Columbian Exposition  
 336. NUTTY.  
 John J. Steward, Fowler, Ind.  
 339. FOWLER QUERN 2d.  
 Gudgell & Simpson, Independence, Mo.  
 340. BONNY LULU 14th.  
 341. NORMETTE.  
 Cosgrove Live Stock Co., Le Sueur, Minn.  
 342. WILTONIE 44th.  
 344. WILTONIE 41st.  
 C. H. Elmendorf, Kearney, Neb.  
 329. LADY DAYLIGHT.  
 330. LADY LAUREL.  
 H. D. Smith, Compton, Que.  
 346. JOSEPHINE 2d.  
 347. CHERRY 25th.

Section 6.—Heifer, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

F. A. Fleming, Weston, Ont.

345. BALA.

343. LOTUS BEAUTY.

## Section 8.—Heifer, under 1 year.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

W. S. Van Natta, Fowler, Ind.

348. GROVE LASSIE.

349. ALBERTHA.

Makin Bros., Florence, Kas.

350. PRAIRIE FLOWER.

351. ROBERTHA.

Geo. S. Redhead, Des Moines, Iowa.

554. DORA.

Thos. Clark, Beecher, Ill.

355. BEAUTY.

356. SUNFLOWER 2d.

H. H. Clough, Elyria, Ohio.

357. PRIMROSE.

Third Prize World's Columbian Exposition.

E. E. Day, Weeping Water, Neb.

358. LINDA.

Gudgell &amp; Simpson, Independence, Mo.

359. BRIGHT DUCHESS 15th.

Cosgrove Live Stock Co., Le Sueur, Minn.

360. JENNIE C.

C. H. Elmendorf, Kearney, Neb.

352. FAIR NELL.

353. LADY LAUGHTER.

H. D. Smith, Compton, Que.

361. DAISY.

F. A. Fleming, Weston, Ont.

362. PLAYFUL 3d.

363. LADY FENN 2d.

Section 9.—Herd, consisting of one bull 2 years old or over, one cow 3 years old or over, one heifer 2 years old and under 3, one heifer 1 year old and under 2, one heifer under 1 year.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

W. S. Van Natta, Fowler, Ind.

251. CHERRY BOY.

291. MISS BEAU REAL 8d.

309. ANNABEL.

325. CHERRY LASS.

348. GROVE LASSIE.

W. S. Van Natta, Fowler, Ind.

252. HENGLER.

292. BRITANNIA.

310. JEWELL FOWLER.

326. FAIRY BROWNY.

349. ALBERTHA.

Makin Bros., Florence, Kas.

253. VINCENT 2d.

293. BERRINGTON 2d.

311. LADY MAUD VINCENT.

327. LADY WILTONA VINCENT.

351. ROBERTHA.

George S. Redhead, Des Moines, Iowa.

255. CAPTAIN GROVE.

296. SUNOL.

314. CHERRY DUCHESS.

332. WALLFLOWER.

554. DORA.

Thomas Clark, Beecher, Ill.

256. SANHEDRIM.

298. PLUM.

315. JINGLE.

333. EVERGREEN FAIRY.

356. SUNFLOWER 2d.

H. H. Clough, Elyria, Ohio.

257. ANCIENT BRITON.

299. COCOANUT.

316. NEW YEAR'S GIFT.

335. DORCAS.

PRINCESS.

First Prize World's Columbian Exposition.

E. E. Day, Weeping Water, Neb.

259. CAMEO.

301. HYPATIA.

318. BRIGHTLIGHT.

GERTRUDE.

358. LINDA.

Gudgell &amp; Simpson, Independence, Mo.

260. DON CARLOS.

302. MYRTIS.

341. NORMETTE.

359. BRIGHT DUCHESS 15th.

319. DONNA ANNA 9th.

Cosgrove Live Stock Co., Le Sueur, Minn.

261. WILDY 20th.

303. WILTON LE SUEURESS.

321. WILTONIE 33d.

344. WILTONIE 41st.

360. JENNIE C.

C. H. Elmendorf, Kearney, Neb.

254. EARL OF SHADELAND 30th.

294. LILLIE.

313. BELLE MODE.

329. LADY DAYLIGHT.

352. FAIR NELL.

H. D. Smith, Compton, Que.

262. YOUNG TUSHINGHAM.

F. A. Fleming, Weston, Ont.

263. COMMODORE.

307. LILY WALTON.

324. PLAYFUL 2d.

343. LOTUS BEAUTY.

363. LADY FENN 7th.

Section 10.—Young herd, consisting of one bull and four heifers, all under 2 years. Bred by exhibitor.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

W. S. Van Natta, Fowler, Ind.

270. VENTURE.

325. CHERRY LASS.

FAIRY BROWNY.

346. GROVE LASSIE.  
 349. ALBERTHA.  
**Makin Bros., Florence, Kas.**  
 272. VINCENT 9th.  
 347. LADY WILTONA VINCENT.  
 LADY GENEVE VINCENT.  
 328. STATELY 14th.  
 STATELY 10th.  
**Thos. Clark, Beecher, Ill.**  
 273. LARS.  
 333. EVERGREEN FAIRY.  
 334. JUVENILE.  
 335. BEAUTY.  
 BIRDIE.  
**H. H. Clough, Elyria, Ohio.**  
 274. ACTOR.  
 CHESTNUT LEAF.  
 336. AUTUMN LEAF.  
 JEWEL 6th.  
 NUTTY.  
 Third Prize World's Columbian Exposition.  
**E. E. Day, Weeping Water, Neb.**  
 276. DUKE OF THE SPRIG 2d.  
 GERTRUDE.  
 MYRTLE.  
 MARGARA.  
 CATHERINE.  
**Cosgrove Live Stock Co., Le Sueur, Minn.**  
 279. WILDY 60th.  
 WILTONIE 42d.  
 WILTONIE 46th.  
 344. WILTONIE 41st.  
 342. WILTONIE 44th.  
**Gudgell & Simpson, Independence, Mo.**  
 277. LAMPLIGHTER.  
 341. NORMETTE.  
 340. BONNY LULU 43th.  
 WELCOME 10th.  
 GERTRUDE 5th.  
**C. H. Elmendorf, Kearney, Neb.**  
 283. ST. TRISTRAM.  
 329. LADY DAYLIGHT.  
 LADY LAVENDER.  
 330. LADY LAUREL.  
 353. LADY LAUGHTER.  
**F. A. Fleming, Weston, Ont.**  
 281. PLAY FAIR.  
 343. LOTUS BEAUTY.  
 345. BALA.  
 LADY FENN 7th.  
 362. PLAYFUL 3d.

Section 11.—Four animals of either sex,  
 under 4 years, the get of one sire.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

- W. S. Van Natta, Fowler, Ind.**  
 STAR GROVE 1st.  
 270. VENTURE.  
 309. ANNABEL.  
 BEATRICE GROVE.  
 348. GROVE LASSIE.

- W. S. Van Natta, Fowler, Ind.**  
 FOWLER.  
 HORACE FOWLER 2d.  
 310. JEWELL FOWLER.  
 CHERRY GIRL.  
 349. ALBERTHA.  
**Makin Bros., Florence, Kas.**  
 VINCENT.  
 311. LADY MAUD VINCENT.  
 253. VINCENT 2d.  
 327. LADY WILTONA VINCENT.  
 272. VINCENT 9th.  
**Thomas Clark, Beecher, Ill.**  
 PEERLESS WILTON.  
 298. PLUM.  
 315. JINGLE.  
 334. JUVENILE.  
 331. SARAH BERNHARDT.  
**H. H. Clough, Elyria, Ohio.**  
 275. NUTCRACKER.  
 JEWEL 6th.  
 CHESTNUT LEAF.  
 336. AUTUMN LEAF.  
 NUTTY.  
 Fourth Prize World's Columbian Exposition  
**E. E. Day, Weeping Water, Neb.**  
 CAMEO.  
 MYRTLE.  
 GERTRUDE.  
 358. LINDA.  
 DUKE OF THE SPRIGS.  
**Cosgrove Live Stock Co., Le Sueur, Minn.**  
 WILD EYES.  
 261. WILDY 29th.  
 304. WILTONIE 19th.  
 320. WILTONIE 31st.  
 321. WILTONIE 33d.  
**Cosgrove Live Stock Co., Le Sueur, Minn.**  
 WILD EYES.  
 279. WILDY 60th.  
 BERT C.  
 344. WILTONIE 41st.  
 342. WILTONIE 44th.  
**Gudgell & Simpson, Independence, Mo.**  
 260. DON CARLOS.  
 268. BEAU BRUMMEL.  
 277. LAMPLIGHTER.  
 319. DONNA ANNA 7th.  
 341. NORMETTE.  
**C. H. Elmendorf, Kearney, Neb.**  
 254. EARL OF SHADELAND 30th.  
 265. EUREKA.  
 329. LADY DAYLIGHT.  
 LADY LAVENDER.  
 LADY LAUREL.  
 330. LADY LAUREL.  
**F. A. Fleming, Weston, Ont.**  
 WILTON HILLHURST.  
 269. BARON BROADY.  
 281. PLAY FAIR.  
 323. LADY FENN 5th.  
 324. PLAYFUL 2d.  
**F. A. Fleming, Weston, Ont.**  
 COMMODORE.  
 343. LOTUS BEAUTY.

290. **BARMAN.**  
**LADY FENN** 7th.  
**PLAYFUL** 3d.

Section 12.—Two animals of either sex,  
 the produce of one cow.

	1st	2d	3d	4th
Premiums:	\$80.00	\$40.00	\$20.00	\$10.00

- W. S. Van Natta, Fowler Ind.**  
**CHERRY PIE** 2d.  
 257. **CHERRY BOY.**  
**CHERRY GIRL.**  
**Makin Bros., Florence, Kas.**  
**BERRINGTON** 2d.  
 253. **VINCENT** 2d.  
 311. **LADY MAUD VINCENT.**  
**Thomas Clark, Beecher, Ill.**  
**JESSE CLARK** 2d.  
 315. **JINGLE.**  
 334. **JUVENILE.**  
**E. E. Day, Weeping Water, Neb.**  
**MARION.**  
 317. **BEAUTY MAID.**  
 358. **LINDA.**  
**Cosgrove Live Stock Co., Le Sueur, Minn.**  
**LORENE.**  
 278. **BERT C.**  
 303. **WILTON LE SUEURESS** 4d.  
**Cosgrove Live Stock Co., Le Sueur, Minn.**  
**MISS POPPY.**  
 279. **WILDY** 60th.  
 320. **WILTONIE** 31st.  
**Gudgell & Simpson, Independence, Mo.**  
**DONNA ANNA.**  
 319. **DONNA ANNA** 7th.  
 287. **DON ALONZO.**  
**C. H. Elmendorf, Kearney, Neb.**  
**LADY WILTON.**  
 312. **DORIS.**  
 295. **MISS WILTON.**  
**H. D. Smith Compton, Quebec, Can.**  
**SILVIA.**  
**SPOT** 3d.  
 347. **CHERRY** 25th.  
**F. A. Fleming, Weston, Ont.**  
**MISS BROADY.**  
**MISS BROADY** 4th.  
**BARON BROADY.**  
**F. A. Fleming, Weston, Ont.**  
**PLAY.**  
**PLAY FAIR.**  
 324. **PLAYFUL.**

#### SWEEPSTAKES.

#### Section 13. Bull, any age.

Premium: \$50.00 and medal.

- W. S. Van Natta, Fowler, Ind.**  
 251. **CHERRY BOY.**  
 252. **HENGLER.**

- H. J. Fluck, Goodenow, Ill.**  
 266. **SITTING BULL.**  
**Makin Bros., Florence, Kas.**  
 253. **VINCENT** 2d.  
 264. **ANXIETY BOY.**  
**George S. Redhead, Des Moines, Iowa.**  
 255. **CAPTAIN GROVE.**  
**Thomas Clark, Beecher, Ill.**  
 256. **SANHEDRIM.**  
 273. **LARS.**  
**H. H. Clough, Elyria, Ohio.**  
 257. **ANCIENT BRITON.**  
 First Prize World's Columbian Exposition  
 258. **KODAK.**  
**E. E. Day, Weeping Water, Neb.**  
 259. **CAMEO.**  
**Gudgell & Simpson, Independence, Mo.**  
 260. **DON CARLOS.**  
 277. **LAMPLIGHTER.**  
**Cosgrove Live Stock Co., Le Sueur, Minn.**  
 261. **WILDY** 29th.  
 279. **WILDY** 60th.  
**Benjamin Todd, Sugar Grove, Ill.**  
 267. **WELTON GROVE.**  
**C. H. Elmendorf, Kearney, Neb.**  
 254. **EARL OF SHADELAND** 30th.  
**H. D. Smith, Compton, P. Q.**  
 262. **YOUNG TUSHINGHAM** 2d.  
 280. **YOUNG INGLESIDE.**

#### SWEEPSTAKES.

#### Section 14.—Cow, any age.

Premium: \$50.00 and medal.

- W. S. Van Natta, Fowler, Ind.**  
 291. **MISS BEAU REAL** 3d.  
 309. **ANNABEL.**  
**H. J. Fluck, Goodenow, Ill.**  
 331. **SARAH BERNHARDT.**  
**Makin Bros., Florence, Kas.**  
 293. **BERRINGTON** 2d.  
 311. **LADY MAUD VINCENT.**  
**George S. Redhead, Des Moines, Iowa.**  
 314. **CHERRY DUCHESS.**  
 332. **WALLFLOWER.**  
**Thomas Clark, Beecher, Ill.**  
 297. **BESS.**  
 298. **PLUM.**  
**H. H. Clough, Elyria, Ohio.**  
 299. **COCOANUT.**  
 316. **NEW YEAR'S GIFT.**  
**E. E. Day, Weeping Water, Neb.**  
 301. **HYPATIA.**  
**J. J. Steward, Fowler, Ind.**  
 339. **FOWLER QUEEN** 2d.  
**Gudgell & Simpson, Independence, Mo.**  
 302. **MYRTIS.**  
 319. **DONNA ANNA** 7th.  
**Cosgrove Live Stock Co., Le Sueur, Minn.**  
 303. **WILTON LE SUEURESS** 43d.  
 321. **WILTONIE** 3d.  
**C. H. Elmendorf, Kearney, Neb.**  
 294. **LILLIE.**  
 329. **LADY DAYLIGHT.**

H. D. Smith, Compton, P. M.  
306. LADY TUSHINGHAM.  
347. CHERRY 25th.

**CLASS III.—ABERDEEN-ANGUS.**

Location—Block C. Barn 6.

**Section 1.—Bull, 3 years old or over.**

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

Robert Craik, Montreal, Canada.  
411. EMLYN.  
Wallace Estill, Estill, Mo.  
412. HEATHER LAD 2d.  
Goodwin & Judy, Chicago, Ill.  
413. BLACK MONK.  
A. M. Kent, Jamestown, N. Y.  
416. LUDOLPH.  
B. R. Pierce, Creston, Ill.  
414. MOON ECLIPSE 8635, 5 years old; s. Rugby 6140; d. Moonshine 6432 by Sir Maurice 772.  
W. A. McHenry, Denison, Iowa.  
415. PRINCE OF THE REALM 8280, 5 years old; s. Baron Manrico 5442; d. Princess Adelaide 1744. Bred by J. J. Rodgers, Abingdon, Ill.

**Section 2.—Bull, 2 years old and under 3.**

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

Wallace Estill, Estill, Mo.  
417. GAY BLACKBIRD.  
J. J. Rodgers, Abingdon, Ill.  
418. YOUNG WELLINGTON.  
W. A. McHenry, Denison, Iowa.  
419. KEILLOR MCHENRY 13225, calved Nov. 21, 1890; s. Keillor Knight 3d 19349; d. Jasmine 11405. Bred by exhibitor.

**Section 3.—Bull, 1 year old and under 2.**

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

Robert Craik, Montreal, Canada.  
420. ROYAL BLACKBIRD.  
421. EMENSUS.  
Wallace Estill, Estill, Mo.  
422. EULALIE'S ERIC.  
W. A. McHenry, Denison, Iowa.  
423. JEAN'S ABACTOR 2d 15403, calved Dec. 1, 1891; s. Abactor 7435; d. Jean Keillor 4676. Bred by exhibitor.  
J. J. Rodgers, Abingdon, Ill.  
426. COLUMBIAN PRINCE.

**Section 4.—Bull, under 1 year.**

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

Robert Craik, Montreal, Canada.  
424. PRIDE IMPERIAL.  
Wallace Estill, Estill, Mo.  
425. BLACK KNIGHT OF ESTILL.  
Goodwin & Judy, Chicago, Ill.  
426. BLACKTAIN.  
427. ZAIRE 8th.  
B. R. Pierce, Creston, Ill.  
428. BLACKBIRD JIM 17574; s. Jim Jams 13896; d. Blackbird Lassie 9703 by Bismarck 3d 3609.  
W. A. McHenry, Denison, Iowa.  
429. ABACTOR'S BARBARY 17481, calved Oct. 5, 1892; s. Abactor 7426; d. Barbary 2d 5328. Bred by exhibitor.  
430. KEILLOR MINNIE 17502, calved Nov. 20, 1892; s. Keillor Knight 3d 10849; d. Minnie McHenry 2d 10844.

**Section 5.—Cow, 3 years old or over.**

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

Robert Craik, Montreal, Canada.  
431. FAIRY H. OF EASTVIEW.  
432. PRIDE OF GUISACHAN 34th.  
Wallace Estill, Estill, Mo.  
433. ABBESS OF TURLINGTON.  
Goodman & Judy, Chicago, Ill.  
434. BONNY MAID.  
J. J. Rodgers, Abingdon, Ill.  
437. MYRTLE PRIDE.  
A. M. Kent, Jamestown, N. Y.  
440. LADY ALEMENT.  
B. R. Pierce, Creston, Ill.  
435. HEATHER BLOOM of Turlington 7117, 6 years old; s. Black Knight 4751; d. Heartburn of Roos 4674 by Isadore Rosa 4675.  
436. BELL OF COTTAGE GROVE 13150, 3 years old; s. Heather Lad 2d 7965; d. Bell 8416 by Wellington 8413.  
W. A. McHenry, Denison, Iowa.  
438. PROGRESS OF TURLINGTON 7116, calved Jan. 25, 1887; s. Black Knight 4751; d. Progress 4720. Bred by T. W. Harvey, Turlington, Neb.  
439. NOVICE OF COTTAGE GROVE 13140, calved Mar. 16, 1890; s. Guido Knight 9330; d. Novice of North Oaks 8th 9606. Bred by Leslie & Burwell, Cottage Grove, Wis.

**Section 6.—Heifer, 2 years old and under 3.**

	1st	2d	3d	4th
Premiums:	\$50.00	\$30.00	\$20.00	\$15.00

**Robert Craik, Montreal, Canada.**

441. ERICACIA.  
 442. PRIDE OF THE ERMINE.  
**Wallace Estill, Estill, Mo.**  
 443. MAY OF ESTILL.  
**Goodwin & Judy, Chicago, Ill.**  
 444. ROSEBUD THETA.  
**J. J. Rodgers, Abingdon, Ill.**  
 446. NELL OF COTTAGE GROVE.  
**A. M. Kent, Jamestown, N. Y.**  
 449. DUCHESS VERA.  
**B. R. Pierce, Creston, Ill.**  
 445. PRINCESS OF WOODLAWN  
 18861; s. Wellington 8413; d. Princess of  
 Creston 10472, by Economic 7398.  
**W. A. McHenry, Denison, Iowa.**  
 447. NELL GWYNNE 3d 18139, calved  
 Nov. 20, 1890; s. Guido Knight 9390; d. Nell  
 Gwynne 2082. Bred by Leslie & Burwell,  
 Cottage Grove, Wis.  
 448. BLACKBIRD MCHENRY 2d  
 18745, calved Jan. 14, 1891; s. Abactor 7426;  
 d. Blackcap 4th 7192. Bred by exhibitor.

**Section 7.—Heifer, 1 year old and under 2.**

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

**Robert Craik, Montreal, Canada.**

450. PRIDE OF EMLYN.  
 451. EMLYN'S FAVORITE.  
**Wallace Estill, Estill, Mo.**  
 452. LENA ESTILL.  
 453. MAGGIE ESTILL.  
**Goodwin & Judy, Chicago, Ill.**  
 454. ZARA 4th.  
 455. ROSEBUD LAMBDA.  
**J. J. Rodgers, Abingdon, Ill.**  
 458. LILLIE BELLE.  
 459. PRINCESS MARTHA WASH-  
 INGTON.  
**A. M. Kent, Jamestown, N. Y.**  
 462. LADY ALEMENT 2d  
**B. R. Pierce, Creston, Ill.**  
 456. BLACKBIRD OF WOODLAWN  
 17558; s. Wellington 8413; d. Blackbird of  
 Creston 10474 by Economic 7389.  
 457. PRIDE 2d OF WOODLAWN  
 17560; s. Wellington 8413; d. Pride of  
 Turlington 5510, by Eurymedon 4261.  
**W. A. McHenry, Denison, Iowa.**  
 460. QUEEN MCHENRY 2d 15407,  
 calved Dec. 4, 1891; s. Keillor Knight 3d  
 10849; d. Jasmine 11405. Bred by exhibitor.  
 461. MINNIE MCHENRY 5th 15405,  
 calved Dec. 2, 1891; s. Keillor Knight 3d  
 10349; d. Minnie McHenry 2d 10844. Bred  
 by exhibitor.

**Section 8.—Heifer, under 1 year.**

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

**Robert Craik, Montreal, Canada.**

463. LADY FAIRY.  
**Wallace Estill, Estill, Mo.**  
 464. MAGGIE ESTILL 2d.  
 465. MAGGIE ESTILL 3d.  
**Goodwin & Judy, Chicago, Ill.**  
 466. EMILY 10th.  
 467. BESSIE RUSSET.  
**J. J. Rodgers, Abingdon, Ill.**  
 470. LOLA PRIDE.  
 471. EDITH BELLE.  
**A. M. Kent, Jamestown, N. Y.**  
 474. BEAUTY OF BUSTI.  
 475. DASIE 2d.  
**B. R. Pierce, Creston, Ill.**  
 468. YOUNG PEARL 17568; s. W  
 ington 8413; d. Pearl of Verulam 7407  
 Ermine-Bearer 1749.  
 469. HEATHER BLOOM OF E  
 17657; s. Guinea 18892; d. Heather Bloom  
 Turlington 7117 by Black Knight 4751.  
**W. A. McHenry, Denison, Iowa.**  
 472. BLACKBIRD MCHENRY  
 17479, calved Oct. 3, 1892; s. Abactor 7  
 d. Black Cap 4th 7192. Bred by exhib  
 473. BLACKBIRD MCHENRY  
 17480, calved Oct. 4, 1892; s. Abactor 7426  
 Blackbird of Hillhurst 2d 8048. Bred by  
 hibitor.

**Section 9.—Herd, consisting of one bull  
 years old or over, one cow 3 years old  
 over, one heifer 2 years old and under 3,  
 heifer 1 year old and under 2, one heifer  
 under 1 year.**

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

**Robert Craik, Montreal, Canada.**

411. EVELYN.  
 432. PRIDE OF GUISACHAN 34th.  
 441. ERICACIA.  
 450. PRIDE OF EVELYN.  
 463. LADY FAIRY.  
**Wallace Estill, Estill, Mo.**  
 412. HEATHER LAD 2d.  
 433. ABBESS OF TURLINGTON.  
 443. MAY OF ESTILL.  
 452. LENA ESTILL.  
 ESTILL.  
**Goodwin & Judy, Chicago, Ill.**  
 413. BLACK MONK.  
 434. BONNY MAID.  
 444. ROSEBUD THETA.  
 454. ZARA 4th.  
 466. EMILY 10th.  
**J. J. Rodgers, Abingdon, Ill.**  
 418. YOUNG WELLINGTON.  
 437. MYRTLE PRIDE.  
 446. NELL OF COTTAGE GROVE.  
 458. LILLIE BELLE.  
 470. LOLA PRIDE.

A. M. Kent, Jamestown, N. Y.

416. LUDOLPH.  
440. LADY ALEMENT.  
449. DUCHESS.  
462. LADY ALEMENT 2d.  
475. DASIE 2d.  
B. R. Pierce, Creston, Ill.  
414. MOON ECLIPSE.  
435. HEATHER BLOOM.  
445. PRINCESS OF WOODLAWN.  
458. BLACKBIRD OF WOODLAWN.  
468. YOUNG PEARL.

W. A. McHenry, Denison, Iowa.

415. PRIDE OF THE REALM 8260,  
calved Aug. 22, 1888; s. Baron Manrico 5442;  
d. Princess Adelaide 1744. Bred by J. J.  
Rodgers, Abingdon, Ill.

438. PROGRESS OF TURLINGTON  
7116; calved Jan. 25, 1887; s. Black Knight  
4751; d. Progress 4720. Bred by T. W.  
Harvey, Turlington, Neb.

448. BLACKBIRD McHENRY 2d  
13745; calved Jan. 14, 1891; s. Abactor 7426; d.  
Blackcap 4th 7192. Bred by exhibitor.

461. MINNIE McHENRY 5th 15405,  
calved Dec. 2, 1891; s. Keillor Knight 3d  
10349; d. Minnie McHenry 2d 10844. Bred  
by exhibitor.

472. BLACKBIRD McHENRY 3d  
17479; calved Oct. 8, 1892; s. Abactor 7426; d.  
Blackcap 4th 7192. Bred by exhibitor.

Section 10.—Young herd, consisting of  
one bull and four heifers, all under 2 years,  
bred by exhibitor.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

Wallace Estill, Estill, Mo.

425. BLACK KNIGHT OF ESTILL.  
452. LENA ESTILL.  
453. MAGGIE ESTILL.

- MAGGIE ESTILL 2d.  
MAGGIE ESTILL 3d.

Goodwin & Judy, Chicago, Ill.

477. ZAIRE 8th.  
454. ZARA 4th.  
455. ROSEBUD LAMBDA.  
EMILY 10th.  
CARRIE LITTLE.

J. J. Rodgers, Abingdon, Ill.

476. COLUMBIAN PRINCE.  
458. LILLIE BELLE.  
459. PRINCE'S MARTHA W.  
LOLA PRIDE.  
EDITH BELLE.

A. M. Kent, Jamestown, N. Y.

416. LUDOLPH.  
442. LADY ALEMENT 2d.  
474. BEAUTY OF BUSTI 8d.  
DASIE 2d.  
MAID OF BUSTI 5th.

W. A. McHenry, Denison, Iowa.

423. JEAN'S ABACTOR 2d 15403,  
calved Dec. 1, 1891; s. Abactor 7426; d. Jean  
Keillor 4876. Bred by exhibitor.

461. MINNIE McHENRY 5th 15405,  
calved Dec. 2, 1891; s. Keillor Knight 3d  
10349; d. Minnie McHenry 2d 10844. Bred  
by exhibitor.

460. QUEEN McHENRY 2d 1540  
calved Dec. 4, 1891; s. Keillor Knight 3d  
10349; d. Jasmine 11405. Bred by exhibitor.

472. BLACKBIRD McHENRY 3d  
12479; calved Oct. 3, 1892; s. Abactor 7426; d.  
Blackcap 4th 7192. Bred by exhibitor.

- QUEEN McHENRY 6th 17503,  
calved Nov. 28, 1892; s. Keillor Knight 3d  
10349; d. Jasmine 11405. Bred by exhibitor.

Section 11.—Four animals of either sex,  
under 4 years, the get of one sire.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

Robert Craik, Montreal, Can.

411. EMLYN.  
AMERICUS.  
450. PRIDE OF EMLYN.  
451. EMLYN'S FAVORITE.  
463. LADY FAIRY.

Wallace Estill, Estill, Mo.

412. HEATHER LAD 2d.  
417. GAY BLACKBIRD.  
425. BLACK KNIGHT OF ESTILL.  
464. MAGGIE ESTILL 2d.  
465. MAGGIE ESTILL 3d.

Goodwin & Judy, Chicago, Ill.

ABBOTTSFORD.

413. BLACK MONK.  
454. ZARA 4th.  
466. EMILY 10th.  
467. BESSIE RUSSET.

W. A. McHenry, Denison, Iowa.

- KEILLOR KNIGHT 8d.  
419. KEILLOR McHENRY.  
MINNIE McHENRY.  
KEILLOR MINNIE 5th.  
QUEEN McHENRY 6th.

W. A. McHenry, Denison, Iowa.

- KEILLOR KNIGHT 3d.  
49. KEILLOR McHENRY.  
MINNIE McHENRY 5th.  
430. KEILLOR MINNIE.  
QUEEN McHENRY 6th.

W. A. McHenry, Denison, Iowa.

- ABACTOR.  
423. JEAN'S ABACTOR 2d.  
429. ABACTOR'S BARBARY.  
448. BLACKBIRD McHENRY 2d.  
472. BLACKBIRD McHENRY 3d.

J. J. Rodgers, Abingdon, Ill.  
PRINCE REGENT.

476. COLUMBIAN PRINCE. W. A. W.  
COLUMBUS, JR.  
MINA COLUMBIA.  
470. LOLA PRIDE.  
B. R. Pierce, Creston, Ill.  
WELLINGTON.  
445. PRINCESS OF WOODLAWN.  
457. PRIDE 2d of WOODLAWN.  
468. YOUNG PEARL.  
456. BLACKBIRD OF WOODLAWN.

Section 12.—Two animals of either sex,  
the produce of one cow.

	1st	2d	3d	4th
Premiums:	\$80.00	\$40.00	\$20.00	\$10.00

- Robert Craik, Montreal, Can.  
PRIDE OF FINDHORN 3d.  
442. PRIDE OF THE ERMINE.  
450. PRIDE OF EMLYN.  
Wallace Estill, Estill, Mo.  
MAY OF AUCHTOCHRACH.  
443. MAY OF ESTILL.  
465. MAGGIE ESTILL 8d.  
Wallace Estill, Estill, Mo.  
BLACKBIRD OF WOODLAWN  
2d.  
417. GAY BLACKBIRD.  
425. BLACK KNIGHT OF ESTILL.  
Goodwin & Judy, Chicago, Ill.  
BLACKBIRD OF CORSKIE 4th.  
413. BLACK MONK.  
BLACK CHIEFTAIN.  
Goodwin & Judy, Chicago, Ill.  
ZARILDA 2d.  
ZAIRE 8th.  
454. ZARA 4th.  
W. A. McHenry, Denison, Iowa.  
MINNIE McHENRY 2d.  
461. MINNIE McHENRY 5th.  
430. KEILLOR MINNIE.  
W. A. McHenry, Denison, Iowa.  
BLACKCAP 4th.  
448. BLACKBIRD McHENRY 2d.  
472. BLACKBIRD McHENRY 3d.

## SWEEPSTAKES.

Section 13.—Bull, any age.

Premium: \$50.00 and medal.

- Robert Craik, Montreal, Can.  
411. EMLYN.  
420. ROYAL BLACKBIRD.  
Wallace Estill, Estill, Mo.  
412. HEATHER LAD 2d.  
425. BLACK KNIGHT OF ESTILL.  
Goodwin & Judy, Chicago, Ill.  
413. BLACK MONK.  
427. ZAIRE 8th

- W. A. McHenry, Denison, Iowa.  
415. PRINCE OF THE REALM.  
423. JEAN'S ABACTOR 2d.  
J. J. Rodgers, Abingdon, Ill.  
418. YOUNG WELLINGTON.  
476. COLUMBIAN PRINCE.  
A. M. Kent, Jamestown, N. Y.  
416. LUDOLPH.  
B. R. Pierce, Creston, Ill.  
414. MOON ECLIPSE.  
428. BLACKBIRD JIM.

Section 14.—Cow, any age.

Premium: \$50.00 and medal.

- Robert Craik, Montreal, Can.  
431. FAIRY A. OF EASTVIEW.  
432. PRIDE OF GUISSACHAN 34th.  
Wallace Estill, Estill, Mo.  
433. ABBESS OF TURLINGTON.  
443. MAY OF ESTILL.  
Goodwin & Judy, Chicago, Ill.  
444. ROSEBUD THETA.  
454. ZARA 4th.  
W. A. McHenry, Denison, Iowa.  
438. PROGRESS OF TURLINGTON.  
439. NOVICE OF COTTAGE GROVE.  
J. J. Rodgers, Abingdon, Ill.  
437. MYRTLE PRIDE.  
470. LOLA PRIDE.  
A. M. Kent, Jamestown, N. Y.  
440. LADY ALEMENT.  
449. DUCHESS VERA.  
B. R. Pierce, Creston, Iowa.  
435. HEATHER BLOOM.  
436. BELL OF COTTAGE GROVE.

## CLASS IV.—GALLOWAYS.

Section 1. Bull, 3 years or over.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

Location—Block C, Barns 6 and 7.

- Brookside Farm Co., Fort Wayne, Ind.  
501. KIKIONGO.  
First Prize World's Columbian Exposition.  
1029. LYNE'S 1st.  
S. P. Clarke, Dover, Ill.  
506. CRUSADER KING.  
Wm. Kough, Owen Sound, Ont.  
503. CLAVERHOUSE.  
504. GUY OF CLAVERHOUSE.  
Hugh Paul, Dundee, Minn.  
505. GALLANT GENERAL GOR-  
DON.

Section 2.—Bull, 2 years and under 3.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

- Brookside Farm Co., Fort Wayne, Ind.  
 507. BOB BEATY.  
 Second Prize World's Columbian Exposition  
 S. P. Clarke, Dover, Ill.  
 509. DIXON'S DIXIE.  
 Wm. McTurk & Sons, Crystal, Iowa.  
 511. HUNTER 2d OF DYKES  
 CREEK.  
 510. MARCO OF WOLF CREEK.  
 Hugh Paul, Dundee, Minn.  
 508. SPECULATOR.

Section 3.—Bull, 1 year and under 2.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

- Brookside Farm Co., Fort Wayne, Ind.  
 512. SIR EDWIN ARNOLD.  
 First Prize World's Columbian Exposition.  
 513. GLEN MORGAN.  
 S. P. Clarke, Dover, Ill.  
 517. DIXIE'S KING.  
 Wm. McTurk & Sons, Crystal, Iowa.  
 518. COLUMBUS OF WOLF CREEK.  
 519. SIR CHARLES OF WOLF  
 CREEK.  
 Wm. Kough, Owen Sound, Ont.  
 514. OTTAWA.  
 515. GLENCAIRN 2d.  
 Hugh Paul, Dundee, Minn.  
 516. COUNSELLOR.

Section 4.—Bull, under 1 year.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

- Brookside Farm Co., Fort Wayne, Ind.  
 520. CLEVELAND G. 6th.  
 Fourth Prize World's Columbian Exposition  
 521. GEORDIE DONALD 1st.  
 S. P. Clarke, Dover, Ill.  
 526. PRINCE MARC.  
 Wm. McTurk & Sons, Crystal, Iowa.  
 527. SULWOOD OF WOLF CREEK.  
 Wm. Kough, Owen Sound, Ont.  
 522. TRUMPETER OF TRAVER-  
 TINE.  
 523. SURELY.  
 Hugh Paul, Dundee, Minn.  
 524. VISCOUNT.  
 525. DEMOCRAT.

Section 5.—Cow, 3 years or over.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

- Brookside Farm Co., Fort Wayne, Ind.  
 528. BALIG LUCY 10th.  
 529. JULIET OF BROOKSIDE.  
 Fourth Prize World's Columbian Exposition  
 S. P. Clarke, Dover, Ill.  
 534. FLORENCE DIXIE 3d.  
 535. VENUS 4th OF C.  
 Wm. McTurk & Sons, Crystal, Iowa.  
 536. ALICE OF CORNWALL.  
 537. AURICULA 1st.  
 Wm. Kough, Owen Sound, Ont.  
 530. COUNTESS OF GLENCAIRN.  
 531. COUNTESS OF GLENCAIRN  
 3d.  
 Hugh Paul, Dundee, Minn.  
 532. MISS MURRAY.  
 533. SUPERBA.

Section 6.—Heifer, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

- Brookside Farm Co., Fort Wayne, Ind.  
 538. JULIA 1st OF BROOKSIDE.  
 First Prize World's Columbian Exposition.  
 539. BALIG LUCY 12th.  
 S. P. Clarke, Dover, Ill.  
 544. TAFFY 2d OF DOVER.  
 Wm. McTurk & Sons, Crystal, Iowa.  
 545. MARIA OF WOLF CREEK.  
 Wm. Kough, Owen Sound, Ont.  
 540. COUNTESS OF GLENCAIRN  
 4th.  
 541. RACHEL 3d.  
 Hugh Paul, Dundee, Minn.  
 542. MAVOURNEEN.  
 543. WAVERTREE MISS.

Section 7.—Heifer, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

- Brookside Farm Co., Fort Wayne, Ind.  
 546. BALIG LUCY 2d.  
 Third Prize World's Columbian Exposition.  
 547. BROOKSIDE MAID 1st.  
 S. P. Clarke, Dover, Ill.  
 552. NANNIE O'DOVER.  
 553. GEM OF IVY GATE.  
 Wm. McTurk & Sons, Crystal, Iowa.  
 554. FLORA OF WOLF CREEK.  
 555. QUEEN OF WOLF CREEK.  
 Wm. Kough, Owen Sound, Ont.  
 548. MARY 7th.  
 549. COUNTESS OF GLENCAIRN  
 5th.  
 Hugh Paul, Dundee, Minn.  
 550. FORTUNA.  
 551. MAGGIE MURPHY.

**Section 8.—Heifer, under 1 year.**

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

**Brookside Farm Co., Fort Wayne, Ind.**

550. JULIA 3d OF BROOKSIDE.

Third Prize World's Columbian Exposition.

577. BALIG BLACKIE 20th.

Second Prize World's Columbian Exposition

S. P. Clarke, Dover, Ill.

562. LAURIGG 8th.

563. ROSA OF IVY GATE.

Wm. McTurk, Crystal, Iowa.

564. MATILDA OF WOLF CREEK.

565. JUNE BUG OF WOLF CREEK.

Wm. Kough, Owen Sound, Ont.

558. MARY 8th.

559. AGNES K. 5th.

Hugh Paul, Dundee, Minn.

560. FLORA MACDONALD.

561. JESSIE GREY.

**Section 9.—Herd, consisting of one bull 2 years old or over, one cow 3 years old or over, one heifer 2 years old and under 3, one heifer 1 year old and under 2, one heifer under 1 year.**

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

**Brookside Farm Co., Fort Wayne, Ind.**

501. KIKIONGA.

529. MINNIE B. 2d.

538. JULIA 1st OF BROOKSIDE.

546. MINNIE B. 4th.

556. JULIA 3d OF BROOKSIDE.

First Prize World's Columbian Exposition.

S. P. Clarke, Dover, Ill.

509. DIXON'S DIXIE.

534. FLORENCE DIXIE 3d.

544. TAFFY 2d OF DOVER.

553. GEM OF IVY GATE.

562. LAURIGG 8th.

Wm. McTurk, Crystal, Iowa.

511. HUNTER 2d DYKE CREEK.

536. ALICE OF CORNWALL.

545. MARIA OF WOLF CREEK.

554. FLORA OF WOLF CREEK.

564. MATILDA OF WOLF CREEK.

Wm. Kough, Owen Sound, Ont.

503. IMP. CLAVERHOUSE.

531. COUNTESS OF GLENCAIRN 3d.

541. RACHEL 3d.

549. COUNTESS GLENCAIRN 5th.

558. MARY 8th.

Wm. Kough, Owen Sound, Ont.

504. GUY OF CLAVERHOUSE.

530. COUNTESS OF GLENCAIRN.

540. COUNTESS OF GLENCAIRN 4th.

548. MARY 7th.

559. AGNES K. 5th.

Hugh Paul, Dundee, Minn.

505. GALLANT GENERAL GORDON.

532. MISS MURRAY.

543. WAVERTREE MISS.

550. FORTUNA.

560. FLORA MACDONALD.

**Section 10.—Young herd, consisting of one bull and four heifers, all under 2 years, bred by exhibitor.**

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

**Brookside Farm Co., Fort Wayne, Ind.**

512. SIR EDWIN ARNOLD.

546. MINNIE B. 4th.

BALIG LUCY A. 2d.

547. BROOKSIDE MAID 1st.

556. JULIA 3d OF BROOKSIDE.

Second Prize World's Columbian Exposition

S. P. Clarke, Dover, Ill.

517. DIXIE'S KING.

553. GEM OF IVY GATE.

552. NANNIE O'DOVER.

LAURIGG.

563. ROSA OF IVY GATE.

Wm. McTurk &amp; Sons, Crystal, Iowa.

518. COLUMBUS OF WOLF CREEK.

555. QUEEN OF WOLF CREEK.

554. FLORA OF WOLF CREEK.

564. MATILDA OF WOLF CREEK.

565. JUNE BUG OF WOLF CREEK.

Wm. Kough, Owen Sound, Ont.

514. OTTAWA.

548. MARY 7th.

549. COUNTESS OF GLENCAIRN 5th.

558. MARY 8th.

559. AGNES K. 5th.

Hugh Paul, Dundee, Minn.

524. VISCOUNT.

550. FORTUNA.

551. MAGGIE MURPHY.

560. FLORA MACDONALD.

561. JESSIE GREY.

**Section 11.—Four animals of either sex, under 4 years, the get of one sire.**

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

**Brookside Farm Co., Fort Wayne, Ind.**

SIR ROGER OF OAKBANK.

SIR EDWIN ARNOLD.

JULIA 1st OF BROOKSIDE.

BALIG LUCY 12th.

JULIA 3d OF BROOKSIDE.

Third Prize World's Columbian Exposition.

S. P. Clarke, Dover, Ill.

506. CRUSADER KING.

517. DIXIE'S KING.

526. PRINCE MARC.

553. GEM OF IVY GATE.

552. NANNIE O'DOVER.

Wm. McTurk &amp; Sons, Crystal, Ill.

511. HUNTER 2d OF DYKE CREEK.

518. COLUMBUS OF WOLF CREEK.

ELLA OF WOLF CREEK.

CORRA OF WOLF CREEK.

545. MARIA OF WOLF CREEK.

Wm. Kough, Owen Sound, Ont.

503. CLAVERHOUSE.

515. GLENCAIRN 2d.  
AGNES K. 3d.  
DUCHESS LOUISE K. 4th.  
RACHEL 8d.

Hugh Paul, Dundee, Minn.

505. GALLANT GEN. GORDON.

524. VISCOUNT.

525. DEMOCRAT.

526. FLORA MACDONALD.

521. JESSIE GREY.

Hugh Paul, Dundee, Minn.

- HERO OF WAVERTREE.

532. SUPERBA.

- HUNTRESS.

543. WAVERTREE MISS.

542. MAVOURNEEN.

Section 12.—Two animals of either sex, the produce of one cow.

Premiums: 1st \$50.00 2d \$40.00 3d \$20.00 4th \$10.00

Brookside Farm Co., Fort Wayne, Ind.

JULIA OF CASTLEMILK.

538. JULIA 1st OF BROOKSIDE.

556. JULIA 2d OF BROOKSIDE.

Second Prize World's Columbian Exposition  
S. P. Clarke, Dover, Ill.

FLORENCE DIXIE.

509. DIXON'S DIXIE.

534. FLORENCE DIXIE 3d.

Wm. McTurk, Crystal, Iowa.

536. ALICE OF CORNWALL.

- ELLA OF WOLF CREEK.

539. SIR CHARLES OF WOLF CREEK.

Wm. Kough, Owen Sound, Ont.

530. COUNTESS OF GLENCAIRN.

- COUNTESS OF GLENCAIRN 3d.

- GLENCAIRN 2d.

Wm. Kough, Owen Sound, Ont.

530. COUNTESS OF GLENCAIRN.

504. GUY OF CLAVERHOUSE.

506. COUNTESS OF GLENCAIRN 1st.

4th.

Hugh Paul, Dundee, Minn.

532. MISS MURRAY.

533. SUPERBA.

551. MAGGIE MURPHY.

SWEEPSTAKES.

Section 13.—Bull, any age.

Premium: \$50.00 and medal.

Brookside Farm Co., Fort Wayne, Ind.

504. KIKIONGA.

First Prize World's Columbian Exposition.

512. SIR EDWIN ARNOLD.

S. P. Clarke, Dover, Ill.

506. CRUSADER KING.

509. DIXON'S DIXIE.

Wm. McTurk, Crystal, Iowa.

511. HUNTER 2d OF DYKE CREEK.

510. MARCO OF WOLF CREEK.

Wm. Kough, Owen Sound, Ont.

503. CLAVERHOUSE.

514. OTTAWA.

Section 14.—Cow, any age.

Premium: \$50.00 and medal.

Brookside Farm Co., Fort Wayne, Ind.

529. JULIET OF BROOKSIDE.

538. JULIA 1st OF BROOKSIDE.

S. P. Clarke, Dover, Ill.

534. FLORENCE DIXIE 3d.

553. GEM OF IVY GATE.

Wm. McTurk, Crystal, Iowa.

536. ALICE OF CORNWALL.

537. AURICULA.

Wm. Kough, Owen Sound, Ont.

531. COUNTESS OF GLENCAIRN

3d.

541. RACHEL 3d.

## CLASS V.—DEVONS.

Location—Block D. Barns 3, 5 and 8.

Section 1.—Bull, 3 years or over.

Premiums: 1st \$50.00 2d \$35.00 3d \$20.00 4th \$15.00

A. E. Baker, Beaver Dam, Wis.

593. GEN. GORDON 2d.

592. RECTOR.

D. J. Whitmore & Co., Casstown, Ohio.

591. LITTLE BRAT.

John Hudson, Moawequa, Ill.

594. ROYAL SOMERSET.

595. PRINCE OF WOODLAND.

W. J. Rudd, Eden Mills, Ont.

596. CAPTAIN.

Section 2.—Bull, 2 years and under 3.

Premiums: 1st \$50.00 2d \$35.00 3d \$20.00 4th \$15.00

A. E. Baker, Beaver Dam, Wis.

597. X. L. C. R.

John Hudson, Moawequa, Ill.

598. LORD BICKLEY.

599. FANCY'S ROBIN.

W. J. Rudd, Eden Mills, Ont.

600. BILLY.

Section 3.—Bull, 1 year and under 2.

Premiums: 1st \$50.00 2d \$35.00 3d \$20.00 4th \$15.00

A. E. Baker, Beaver Dam, Wis.

602. UPRIGHT.

603. THICKSET.

D. J. Whitmore, & Co. Casstown, Ohio.

601. BUTTERWORTH.

John Hudson, Moweaqua, Ill.  
 604. BEN ELFRIDGE.  
 605. WALTER FARTHING.  
 W. J. Rudd, Eden Mills, Ont.  
 606. CANADIAN BOY.

#### Section 4.—Bull, under 1 year.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

D. J. Whitmore & Co., Casstown, Ohio.  
 607. BRENNER.

John Hudson, Moweaqua, Ill.  
 609. FRAGRANT EAD.  
 608. GLADSTONE.  
 W. J. Rudd, Eden Mills, Ont.  
 610. STANLEY.  
 A. E. Baker, Beaver Dam, Wis.  
 642. LAPORT.

#### Section 5.—Cow, 3 years or over.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

A. E. Baker, Beaver Dam, Wis.  
 613. ULRICA.  
 614. CODATT.  
 D. J. Whitmore & Co., Casstown, Ohio.  
 611. IDA Y.  
 612. LEDA HEBE.  
 John Hudson, Moweaqua, Ill.  
 615. PICTURE 7th.  
 616. HEARTSEASE OF WOODLAND.  
 W. J. Rudd, Eden Mills, Ont.  
 617. BEAUTY I.O.E.F.  
 618. FANNY.

#### Section 6.—Heifer, 2 years and under 3.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

A. E. Baker, Beaver Dam, Wis.  
 620. FANCY.  
 621. CREATE.  
 D. J. Whitmore & Co., Casstown, Ohio.  
 620. JENNIE JUNE.  
 John Hudson, Moweaqua, Ill.  
 622. MYRTLE 17th.  
 623. HEARTSEASE OF WOODLAND 3d.  
 W. J. Rudd, Eden Mills, Ont.  
 624. RUBY.  
 625. MAUDE.

#### Section 7.—Heifer, 1 year and under 2.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

A. E. Baker, Beaver Dam, Wis.  
 628. LITTLE ULRICA.  
 629. MOLIE.

D. J. Whitmore & Co., Casstown, Ohio.  
 626. JESSICA.  
 627. UNDINE.

John Hudson, Moweaqua, Ill.  
 630. TULIP OF WOODLAND 4th.  
 631. TULIP OF WOODLAND 8th.  
 W. J. Rudd, Eden Mills, Ont.  
 632. FANNY 2d.  
 633. ROSE 2d.

#### Section 8.—Heifer, under 1 year.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

A. E. Baker, Beaver Dam, Wis.  
 636. POLLY.  
 637. NUGGET 2d.  
 D. J. Whitmore & Co., Casstown, Ohio.  
 634. LILLIAN.  
 635. CHARLOTTE BRONTE.  
 John Hudson, Moweaqua, Ill.  
 638. DUCHESS OF WOODLAND 2d.  
 639. HONEYDEW OF WOODLAND 6th.  
 W. J. Rudd, Eden Mills, Ont.  
 640. FANNY 3d.  
 641. BEAUTY 3d.

Section 9.—Herd, consisting of one bull 2 years old or over, one cow 3 years old or over, one heifer 2 years old and under 3, one heifer 1 year old and under 2, one heifer under 1 year old.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

A. E. Baker, Beaver Dam, Wis.  
 593. GEN. GORDON 2d.  
 SEABIRD.  
 FANCY.  
 628. LITTLE ULRICA.  
 ROLLEY.  
 D. J. Whitmore & Co., Beaver Dam, Wis.  
 591. LITTLE BRAT.  
 IDA.  
 ZETA HEBE.  
 629. JENNIE JUNE.  
 626. UNDINE.  
 634. LILLIAN.  
 John Hudson, Moweaqua, Ill.  
 594. ROYAL SOMERSET.  
 615. PICTURE 7th.  
 622. MYRTLE 17th.  
 630. TULIP OF WOODLAND 7th.  
 TULIP OF WOODLAND 6th.  
 John Hudson, Moweaqua, Ill.  
 595. PRINCE OF WOODLAND.  
 616. HEARTSEASE OF WOODLAND.  
 623. HEARTSEASE OF WOODLAND 3d.  
 631. TULIP OF WOODLAND 5th.  
 638. DUCHESS OF WOODLAND 2d.

- W. J. Rudd, Eden Mills, Ont.**  
 596. CAPTAIN.  
 BEAUTY 2d.  
 624. RUBY.  
 632. FANNIE 2d.  
 641. FANNIE 3d.

Section 10.—Young herd, consisting of one bull and four heifers, all under 4 years, bred by exhibitor.

Premiums: 1st \$100.00 2d \$75.00 3d \$50.00 4th \$25.00

- A. E. Baker, Beaver Dam, Wis.**  
 603. THICKSET.  
 628. LITTLE ULRICA.  
 MOLLY.  
 ROLLEY 2d.  
 NUGGET 2d.

**D. J. Whitmore & Co., Casstown, Ohio.**

621. BUTTERWORTH.  
 626. JESSICA.  
 627. UNDINE.  
 CLEOPATRA.  
 JANE EYRE.

**John Hudson, Moweaqua, Ill.**

604. BEN ELDREDGE.  
 630. TULIP OF WOODLAND 7th.  
 TULIP OF WOODLAND 4th.  
 HONEYDEW OF WOODLAND-4th.  
 MYRTLE 18th.

**W. J. Rudd, Eden Mills, Ont.**

605. CANADIAN BOY.  
 632. FANNIE 2d.  
 633. ROSE 2d.  
 640. FANNY 3d.  
 641. BEAUTY 3d.

Section 11.—Four animals of either sex, under 4 years, the get of one sire.

Premiums: 1st \$100.00 2d \$75.00 3d \$50.00 4th \$25.00

**A. E. Baker, Beaver Dam, Wis.**

592. RECTOR.  
 620. FANCY.  
 628. LITTLE ULRICA.  
 629. MOLLY.  
 ROLLEY.  
 NUGGET 2d.

**D. J. Whitmore & Co., Casstown, Ohio.**

601. BUTTERWORTH.  
 626. JESSICA.  
 627. UNDINE.  
 CLEOPATRA.  
 JANE EYRE.

**John Hudson, Moweaqua, Ill.**

- QUEBEC.  
 TULIP OF WOODLAND 4th.  
 SARAH OF WOODLAND.

623. HEARTSEASE OF WOODLAND 3d.

628. DUCHESS OF WOODLAND 2d.  
**John Hudson, Moweaqua, Ill.**  
 MILVERTON.

604. BEN ELDREDGE.

622. MYRTLE 17th.

630. TULIP OF WOODLAND 7th.

631. TULIP OF WOODLAND 8th.

**W. J. Rudd, Eden Mills, Ont.**  
 YOUNG ENSIGN.

625. MAUDE.

624. RUBY.

632. FANNY 2d.

633. ROSE 2d.

**W. J. Rudd, Eden Mills, Ont.**

600. BILLY.

640. FANNY 3d.

641. BEAUTY 3d.

610. STANLEY.

Section 12.—Two animals of either sex, the produce of one cow.

Premiums: 1st \$80.00 2d \$40.00 3d \$20.00 4th \$10.00

**A. E. Baker, Beaver Dam, Wis.**

613. ULRICA.

620. FANCY.

628. LITTLE ULRICA.

**John Hudson, Moweaqua, Ill.**

- MYRTLE 15th.

595. PRINCE OF WOODLAND.

622. MYRTLE 17th.

**John Hudson, Moweaqua, Ill.**

- HEARTSEASE 2d.

616. HEARTSEASE OF WOODLAND.

623. HEARTSEASE OF WOODLAND 3d.

**W. J. Rudd, Eden Mills, Ont.**

- LADY CREAMERY.

596. CAPTAIN.

600. BILLIE.

**W. J. Rudd, Eden Mills, Ont.**

618. FANNY.

632. FANNY 2d.

640. FANNY 3d.

SWEEPSTAKES.

Section 13.—Bull, any age.

Premium: \$50.00 and medal.

**A. E. Baker, Beaver Dam, Wis.**

593. GEN. GORDON.

**D. J. Whitmore & Co., Casstown, Ohio.**

591. LITTLE BRAT.

John Hudson, Moweaqua, Ill.  
 595. PRINCE OF WOODLAND.  
 594. ROYAL SOMERSET.  
 W. J. Rudd, Eden Mills, Ont.  
 596. CAPTAIN.  
 600. BILLIE.

#### Section 14.—Cow, any age.

Premium: \$50.00 and medal.

A. E. Baker, Beaver Dam, Wis.  
 613. ULRICA.  
 D. J. Whitmore & Co., Casatown, Ohio.  
 611. IDA Y.  
 612. LEDA HEBE.  
 John Hudson, Moweaqua, Ill.  
 622. MYRTLE 17th.  
 630. TULIP OF WOODLAND 7th.  
 W. J. Rudd, Eden Mills, Ont.  
 624. RUBY.  
 632. FANNY 2d.

#### CLASS VI.—JERSEYS.

Location—Block D. Barns 1, 2 and 3.

#### Section 1.—Bull, 3 years old or over.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

Thomas Beer, Bucyrus, Ohio.  
 681. SCHÖN KOPF.  
 Estate Franklin N. Billings, Woodstock, Vt.  
 684. GARFIELD STOKER POGIS.  
 685. GARFIELD OF WOODSTOCK.  
 James A. Blair, Guilford, Ont.  
 688. ROSE OF ERIN BUSTER.  
 A. H. Cooley, Little Britain, N. Y.  
 683. CHESTNUT BURK.  
 Latimer & Miller, Abingdon, Ill.  
 682. QUEEN'S DANDY.  
 La Veta Jersey Cattle Co., Topeka, Kas.  
 681. MR. STOKER.  
 C. F. Cobb, South Vassalboro, Me.  
 687. FANCY'S HARRY 7th.  
 T. S. Cooper, Coopersburg, Pa.  
 690. PEDRO.  
 First Prize World's Columbian Exposition.  
 Moore & Warren, Huntsville, Ala.  
 691. LITTLE HARRY.  
 Pittsford Farm, Pittsford, N. Y.  
 689. JEFFERSONIAN.  
 Rolla, Olliver Dearborn, Mo.  
 692. BOOM.  
 J. L. Clark, Brampton, Ont.  
 693. MIGHTY DOLLAR.  
 Richardson Bros., Davenport, Iowa.  
 834. CHROMO.

#### Section 2.—Bull, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

Latimer & Miller, Abingdon, Ill.  
 695. TURBIGO'S BEST SON.  
 La Veta Cattle Company, Topeka, Kas.  
 694. BOAZ OF LA VETA.  
 C. F. Cobb, South Vassalboro, Me.  
 696. HARRY PIERIOT.  
 T. S. Cooper, Coopersburg, Pa.  
 697. PEDRO'S ROYAL MARJORAM.  
 Third Prize World's Columbian Exposition.  
 698. PEDRO'S ROYAL POGIS.  
 Second Prize World's Columbian Exposition.  
 J. C. Snell, Edmonton, Ont.  
 699. JETSAM'S DOLLAR.  
 Geo. H. Shawhan, Lone Jack, Mo.  
 700. GOVERNOR HUGO.

#### Section 3.—Bull, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

Estate Franklin N. Billings, Woodstock, Vt.  
 704. LANDSEER'S COLUMBUS.  
 705. HOMORIA'S PRINCE.  
 A. H. Cooley, Little Britain, N. Y.  
 703. FROLIC'S MAJOR.  
 Latimer & Miller, Abingdon, Ill.  
 702. QUEEN'S CHRISTMAS GIFT.  
 La Veta Cattle Company, Topeka, Kas.  
 701. TOR ROY OF LA VETA.  
 A. P. Foster, Plainview, Minn.  
 706. TRUST.  
 T. S. Cooper, Coopersburg, Pa.  
 708. PEDRO'S SILVER RIOTER.  
 Second Prize World's Columbian Exposition.  
 709. MARJORAM'S PEDRO.  
 Geo. H. Shawhan, Lone Jack, Mo.  
 710. R—ROY.

#### Section 4.—Bull, under 1 year.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

A. H. Cooley, Little Britain, N. Y.  
 712. FROLICSOME.  
 Latimer & Miller, Abingdon, Ill.  
 1416. CRICHTON OF LA VETA.  
 A. P. Foster, Plainview, Minn.  
 714. ESCORT.  
 715. ALL TRUMPS.  
 C. F. Cobb, South Vassalboro, Me.  
 713. HARRY'S POGIS.  
 T. S. Cooper, Coopersburg, Pa.  
 716. PEDRO'S PRINCE. MARJORAM.  
 717. PEDRO'S PRETTY POGIS.  
 Fourth Prize World's Columbian Exposition.  
 Rolla Olliver, Dearborn, Mo.  
 718. MISSOURI BOY.

Pittsford Farm, Pittsford, N. Y.  
814. CAESER OF PITTSFORD.  
La Veta Cattle Company, Topeka, Kas.  
711. CRICHTON OF LURATA.

Section 5.—Cow, 4 years old and under.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

Pittsford Farm, Pittsford, N. Y.

813. KATHERINE OF PITTSFORD.  
729. ST. L'S SILKEN LES CATE-  
AREX.

William R. Reson, Huntsville, Ala.

734. SIGNAL'S LILY FLAG.

Rolla Oliver, Dearborn, Mo.

737. CARMEN OF ST. LAMBERTY.

738. CALCIUM.

C. F. Cobb, South Vassalboro, Me.

726. DORIS C.

Richardson Bros., Davenport, Iowa.

735. COMANCA.

736. ALEXA.

C. A. Sweet, Buffalo, N. Y.

732. ROMP'S PRINCESS.

Geo. H. Shawhan, Lone Jack, Mo.

733. ETHELAVIA.

Thomas Beer, Bucyrus, Ohio.

724. LADY ELFLED.

725. ALFRITHA.

Estate Franklin N. Billings, Woodstock, Vt.

722. MINNIE'S FAWN.

723. GARFIELD'S PRINCESS.

A. H. Cooley, Little Britain, N. Y.

721. QUEEN OF DOVER.

La Veta Cattle Company, Topeka, Kas.

719. KANSAS CINDERELLA.

720. COMASSIE OF LA VETA.

A. P. Foster, Plainview, Minn.

727. LEAF.

728. VIOLETTE.

Mrs. S. E. Hudson, Alexandria, N. Y.

739. EXILE'S LULU.

Edgar Brewer, Hockanum, Conn.

815. SAYDA.

P. J. Cogswell, Rochester, N. Y.

816. MOCHAS-PET-PHETA.

817. EXILE'S ST. JOHN.

Kentucky Agricultural Experiment Station, Lexington, Ky.

818. GAY ORPHAN.

819. JUSTA POGIS.

C. I. Hunt, Lowell, Mass.

820. ISLIP LENOX.

821. BROWN BESSIE.

O. & C. T. Graves, Maryland, Mo.

822. MERRY MAIDEN.

D. L. Heinsheimer, Glenwood, Iowa.

823. HUGO COUNTESS.

8-C

Frank Eno, Pine Plains, N. Y.  
824. SIGNAL QUEEN.  
M. C. Campbell, Spring Hill, Tenn.  
825. LILLY MARTIN.

Section 6.—Cow, 3 years old and under.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

Pittsford Farm, Pittsford, N. Y.

747. GORGIA OF SHELburn.

748. BEAUTY OF PITTSFORD.

Rolla Oliver, Dearborn, Mo.

752. NIAGARA'S LAST.

753. ANNIE OF CANTERBURY.

Estate Franklin N. Billings, Woodstock, Vt.

743. PRINCESS HONORIA.

744. GARFIELD'S RIOTRESS.

A. H. Cooley, Little Britain, N. Y.

741. TAG.

742. MY MARY ANN.

La Veta Cattle Company, Topeka, Kas.

740. LUCY T OF LA VETA.

C. F. Cobb, South Vassalboro, Me.

745. FLOSSANDA.

746. FLORIANADA.

T. S. Cooper, Coopersburg, Pa.

749. PEDRO'S BONNIE RAINBOW.

Fourth Prize World's Columbian Exposition

750. PEDRO'S PRETTY MARIO-  
RAM.

Fourth Prize World's Columbian Exposition

Geo. H. Shawhan, Lone Jack, Mo.

751. MATE OF ELM SPRING.

Section 7.—Heifer, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

Richardson Bros., Davenport, Iowa.

769. CAMPANIA.

T. S. Cooper, Coopersburg, Pa.

766. PEDRO'S ROYAL PRINCESS.

First Prize World's Columbian Exposition

767. PEDRO'S PRETTY FLOWER.

Fourth Prize World's Columbian Exposition

Geo. H. Shawhan, Lone Jack, Mo.

768. BULA SHAWHAN.

Pittsford Farm, Pittsford, N. Y.

764. JEANETTE OF PITTSFORD.

765. ESTELLE OF PITTSFORD.

Rolla Oliver, Dearborn, Mo.

770. ETHOL'S IRENE.

Estate Franklin Beers, Woodstock, Vt.

760. GARFIELD'S MATINELLA.

761. WOODSTOCK LADY.

A. H. Cooley, Little Britain, N. Y.

758. MY MARY ANNIE'S SISTER.

759. DUKE'S GEM.

Lathimer & Miller, Abingdon, Ill.

756. IMAGE.

757. PACK'S HALLIE.

## La Veta Cattle Company, Topeka, Kas.

754. PUELLA OF LA VETA.

755. VESTA.

## C. F. Cobb, South Vassalboro, Me.

762. ALICIA LANDSEER.

763. FLOSSIE LANDSEER.

## Section 8.—Heifer, 1 year old and under 2.

Premiums:	1st	2d	3d	4th
	\$40.00	\$30.00	\$20.00	\$15.00

## C. F. Cobb, South Vassalboro, Me.

781. LILY LANDSEER.

782. CLODIA LANDSEER.

## T. S. Cooper, Coopersburg, Pa.

787. PEDRO'S LADY PHYLLIS.

788. PEDRO'S PRETTY GIRL.

## First Prize World's Columbian Exposition.

## Geo. H. Shawhan, Lone Jack, Mo.

789. MISSOURI GIRL.

790. MARY KNOX.

## Pittsford Farm, Pittsford, N. Y.

785. WANDA OF PITTSFORD.

786. DAWN OF PITTSFORD.

## Rolla Olliver, Dearborn, Mo.

791. EDITH GOUGH.

792. NIAGARA'S FLOSS.

## Thomas Beer, Bucyrus, Ohio.

779. JAMESIA.

780. LEAL LASS.

## Estate Franklin N. Billings, Woodstock, Vt.

777. LILY GARFIELD.

778. BIJOU OF WOODSTOCK.

## A. H. Cooley, Little Britain, N. Y.

775. MARY OF CHESTNUT WOOD 2d.

776. MISS CORDILITE.

## Latimer &amp; Miller, Abingdon, Ill.

773. TURBIGO'S ALPHEA.

774. QUEEN'S KATISHA.

## La Veta Cattle Company, Topeka, Kas.

771. JUNIATA.

772. BARNES.

## A. P. Foster, Plainview, Minn.

783. SARNIA.

784. FIXTURE.

## Section 9.—Heifer, under 1 year.

Premiums:	1st	2d	3d	4th
	\$40.00	\$30.00	\$20.00	\$15.00

## Mortimer Levering, La Fayette, Ind.

807. ADELINA SIGNAL.

808. LUCY OF TAGHKANICK.

## Geo. H. Shawhan, Lone Jack, Mo.

806. ETHELAVIA.

## Pittsford Farm, Pittsford, N. Y.

802. SAILIN BIRD OF PITTSFORD.

803. TINY OF PITTSFORD.

## Rolla Olliver, Dearborn, Mo.

809. POGIS IRENE.

## Estate Franklin N. Billings, Woodstock, Vt.

796. LANDSEER'S MATINELLA.

797. MATINELLA.

## A. H. Cooley, Little Britain, N. Y.

794. CHESTNUT FROLIC.

795. FLOWER'S FANCY.

## La Veta Cattle Company, Topeka, Kas.

793. TIBBETS OF LA VETA.

## A. P. Foster, Plainview, Minn.

800. FRIXY.

801. ULMA.

## C. F. Cobb, South Vassalboro, Me.

798. HAPPY LANDSEER.

799. LILY OF LEEDS 2d.

## T. S. Cooper, Coopersburg, Pa.

804. INFANTA PEDRO MARJORAM.

805. MINETTE OF LINDEN.

## Wm. E. Mathews, Huntsville, Ala.

810. ALTERATION 3d.

Section 10.—Herd, consisting of one bull 2 years old or over, one cow 4 years old or over, one cow 3 years old and under 4, one heifer 2 years old and under 3, one heifer 1 year old and under 2, one heifer under 1 year.

Premiums:	1st	2d	3d	4th
	\$100.00	\$75.00	\$50.00	\$25.00

## Rolla Olliver, Dearborn, Mo.

692. BOOM.

737. CARMEN OF ST. LAMBERT.

752. NIAGARA'S LAST.

770. ETHOL'S IRENE.

792. NIAGARA'S FLOSS.

## C. F. Cobb, South Vassalboro, Me.

687. FANCY'S HARRY 7th.

726. DORIS C.

FLORADA.

762. ALICIA LANDSEER.

781. LILLY LANDSEER.

## T. S. Cooper, Coopersburg, Pa.

698. PEDRO'S ROYAL POGIS.

730. MARJORAM 2d.

749. PEDRO'S BONNIE RAINBOW.

766. PEDRO'S PRETTY GIRL.

787. PEDRO'S LADY PHYLLIS.

804. INFANTA PEDRO MARJORAM.

## First Prize World's Columbian Exposition.

## Estate Franklin N. Billings, Woodstock, Vt.

684. GARFIELD STOKER POGIS.

STOKER POGIS REGINA.

PRINCESS HONORORIA.

761. WOODSTOCK LADY.

POGUE RIOTRESS.

HONORITA.

## La Veta Cattle Company, Topeka, Kas.

681. MR. STOKER.

719. KANSAS CINDERELLA.

740. LUCY T. OF LA VETA.

755. VESTA.  
 771. JUNIATA.  
 793. TIBBETS OF LA VETA.  
 Geo. H. Shawhan, Lone Jack, Mo.  
 700. GOVERNOR HUGO.  
 733. ETHELAVIA.  
 751. MATE OF ELM SPRING.  
 768. BULA SHAWHAN.  
 789. MISSOURI GIRL.  
 806. ETHELAVIA 3d.  
 Pittsford Farm, Pittsford, N. Y.  
 689. JEFFERSONIAN.  
 813. KATHERINE OF PITTSFORD.  
 748. BEAUTY OF PITTSFORD.  
 765. ESTELLE OF PITTSFORD.  
 785. WANDA OF PITTSFORD.  
 803. SATIN BIRD OF PITTSFORD.

Section 11.—Young herd, consisting of one bull and four heifers all under 2 years, bred by exhibitor.

Premiums:	1st	2d	3d	4th
	\$100.00	\$75.00	\$50.00	\$25.00

- T. S. Cooper, Coopersburg, Pa.  
 768. PEDRO'S SILVER RIOTER.  
 788. PEDRO'S GREY GIRL.  
 PEDRO'S ROSY.  
 PEDRO'S HAPPY MAID.  
 PEDRO'S PRETTY PINK.  
 Geo. H. Shawhan, Lone Jack, Mo.  
 710. R-ROY.  
 789. MISSOURI GIRL.  
 798. MARY KNOX.  
 MISS GEORGE.  
 LORENA SHAWHAN.  
 Rolla Oliver, Dearborn, Mo.  
 718. MISSOURI BOY.  
 791. EDITH GOUGH.  
 792. NIAGARA'S FLOSS.  
 809. POGIS IRENE.  
 Estate Franklin N. Billings, Woodstock, Vt.

GARFIELD'S REGIUS.  
 GARFIELD'S PET.  
 DORA GARFIELD.  
 POGUE RIOTRESS.  
 HONORITA.

Latimer & Miller, Abingdon, Ill.  
 774. QUEEN'S CHRISTMAS GIFT.  
 QUEEN'S KATISHA.  
 BONNIE HALLIE.  
 QUEEN'S GORO.  
 KITTY'S KING'S PRINCESS.

La Veta Cattle Company, Topeka, Kas.  
 JUNIATA.  
 BERNICA.  
 SCITUATE OF LA VETA.  
 793. TIBBETS OF LA VETA.

A. P. Foster, Plainview, Minn.  
 ALL TRUMPS.  
 MARIE WINTHROP.  
 WIDOW MACHREE.  
 NUSKIE.  
 ESTORIA.

A. P. Foster, Plainview, Minn.  
 ESCORT.  
 LEAFBUD.

783. SARNIA.  
 784. FIXTURE.  
 FLEET.

C. F. Cobb, South Vassalboro, Me.

713. HARRY'S POGIS.  
 781. LILLY LANDSEER.  
 782. CLODIA LANDSEER.  
 798. HAPPY LANDSEER.  
 799. LILY OF LEEDS 2d.

T. S. Cooper, Coopersburg, Pa.

709. PEDRO'S ROYAL POGIS.  
 787. PEDRO'S LADY PHYLLIS.  
 788. PEDRO'S PRETTY GIRL.  
 PEDRO'S PRETTY RAINBOW.  
 PEDRO'S FAIR MAJORAM.

First Prize World's Columbian Exposition.

Section 12.—Four animals of either sex, the get of one sire.

Premiums:	1st	2d	3d	4th
	\$100.00	\$75.00	\$50.00	\$25.00

A. P. Foster, Plainview, Minn.

TRUMP.  
 783. SARNIA.  
 784. FIXTURE.  
 ESTORIA.  
 WIDOW MACHREE.

C. F. Cobb, South Vassalboro, Me.

687. FANCY'S HARRY 7th.  
 762. ALICIA LANDSEER.  
 763. FLOSSIE LANDSEER.  
 781. LILLY LANDSEER.  
 782. CLODIA LANDSEER.

T. S. Cooper, Coopersburg, Pa.

MARJORAM 2d.  
 PEDRO'S FAME.  
 PEDRO'S ROYAL MARJORAM.

T. S. Cooper, Coopersburg, Pa.

690. PEDRO.  
 749. PEDRO'S BONNIE RAINBOW.  
 PEDRO'S FAME.  
 730. PEDRO'S ROYAL POGIS.  
 766. PEDRO'S ROYAL PRINCESS.

Third Prize World's Columbian Exposition.

T. S. Cooper, Coopersburg, Pa.

708. PEDRO'S SILVER RIOTER.  
 787. PEDRO'S LADY PHYLLIS.  
 788. PEDRO'S PRETTY GIRL.  
 767. PEDRO'S PRETTY FLOWER.

First Prize World's Columbian Exposition.

Estate Franklin N. Billings, Woodstock, Vt.

684. GARFIELD STOKES POGIS.  
 GARFIELD'S REGIUS.  
 743. PRINCESS HONORIA.  
 777. LILY GARFIELD.  
 DORA GARFIELD.  
 POGUE RIOTRESS.  
 797. MATINELLA.

## DEPARTMENT C—LIVE STOCK

**La Veta Cattle Company, Topeka, Kas.**

681. MR. STOFFER  
720. COMA  
740. LUCY OF LINDEN  
BLENCH  
SCOTT

**A. P. Foster, Plainview, Minn.**

- TRUMP  
MARIE WINTHROP  
BLUFF  
NUSKIE  
LEAFELD

**Geo. H. Shawhan, Lone Jack, Mo.**

789. WOODFORD  
790. MISS O. F. GILL  
MART KNOX  
MISS GEORGE  
LOKNA SHAWHAN

**Pittsford Farm, Pittsford, N. Y.**

- LAMBERT  
KATHLENE OF PITTSFORD  
785. WANDA OF PITTSFORD  
729. ST. L'S SILKIN LESCATE  
AUX.

CARETA OF PITTSFORD.

Section 13. Two animals of either sex, the produce of one cow.

Premiums: 1st \$200.00, 2nd \$100.00, 3rd \$50.00, 4th \$25.00

**La Veta Cattle Company, Topeka, Kas.**  
ROSETTA OF WHIPPLELAND  
KANSAS CINDERELLA  
BLANCH

**A. P. Foster, Plainview, Minn.**

- WEEENA  
FLEET  
WIDOW MACHREE

**A. P. Foster, Plainview, Minn.**

727. LEE  
LEAFELD  
BLUFF

**C. F. Cobb, South Vassalboro, Me.**

- LILY OF LEEDS  
781. LILLY LANDSEER  
799. LILLY OF LEEDS 2d

**T. B. Cooper, Coopersburg, Pa.**

- MARJORAM OF LINDEN  
PEDROS ROYAL POGIS  
709. MARJORAM'S PEDRO

Third Prize World's Columbian Exposition.  
**Estate Franklin N. Billings, Woodstock, Vt.**

743. PRINCESS HONORIA  
706. HONORIA'S PRINCE  
HONORITA

**Latimer & Miller, Abingdon, Ill.**

- BONANZA QUEEN  
702. QUEEN'S CHRISTMAS GIFT  
QUEEN'S ZORO

**Latimer & Miller, Abingdon, Ill.**

- QUEEN OF CEDAR  
QUEEN'S DANDY

774. FLEET

779. FLEET

**Mortimer Leaning, Lakewood, Ill.**

807. ADAM  
808. ADAM

**Geo. H. Shawhan, Lone Jack, Mo.**

806. FLEET  
FLEET

**Pittsford Farm, Pittsford, N. Y.**

- KATE WANDA W  
813. KATHLENE OF PITTSFORD  
KATE OF PITTSFORD  
KATHLENE OF PITTSFORD

**Rolla Olliver, Dearborn, Mo.**

737. CARMEN  
752. NIAGARA  
791. EDITH GURGE  
792. NIAGARA  
718. MISS RIE

SWEETBARK

Section 14.—Bull, any age.

Premiums: \$500.00 and medal

**C. F. Cobb, South Vassalboro, Me.**

687. FANCY HARRY  
T. S. Cooper, Coopersburg, Pa.

668. PEDRO

First Prize World's Columbian Exposition  
**Moore & Warren, Huntsville, Ala.**

691. LITTLE HARRY  
J. C. Snell, Edmonton, Ont.

699. JELSAM'S DOLLAR

**Geo. H. Shawhan, Lone Jack, Mo.**

710. R. ROY  
700. GOVERNOR HUGO

**Pittsford Farm, Pittsford, N. Y.**

689. JEFFERSONIAN  
707. SIR ALBERT OF PITTSFORD

**Rolla Olliver, Dearborn, Mo.**

692. BOOM  
Thomas Beer, Bucyrus, Ohio.

686. SCHON KOPE

**Estate Frank in N. Billings, Woodstock, Vt.**

684. GARFIELD STOKES POGIS  
704. LANDSEER'S COLUMBUS

**James A. Blair, Guilford, Ont.**

608. ROSE OF ERIN BUSTER  
Latimer & Miller, Abingdon, Ill.

682. QUEEN'S DANDY

**La Veta Cattle Company, Topeka, Kas.**

681. MR. STOKER  
694. BOAZ OF LA VETA

**A. P. Foster, Plainview, Minn.**

706. TRUST  
J. L. Clark, Brampton, Ont.

693. MIGHTY DOLLAR

Section 15.—Cow, any age.

Premium: \$50.00 and medal.

- C. F. Cobb, South Vassalboro, Me.  
 726. DORISC.  
 Richardson Bros., Davenport, Iowa.  
 735. COMANCA.  
 736. ALEXA.  
 T. S. Cooper, Coopersburg, Pa.  
 731. MARJORAM 2d.  
 Sixth Prize World's Columbian Exposition.  
 The cows receiving the first five prizes were  
 selected from the dairy test, therefore, the  
 sixth was equal to first place.  
 C. A. Sweet, Buffalo, N. Y.  
 732. ROMP'S PRINCESS.  
 Geo. H. Shawhan, Lone Jack, Mo.  
 733. ETHELAVIA.  
 731. MATE OF ELM SPRING.  
 Pittsford Farm, Pittsford, N. Y.  
 813. KATHERINE OF PITTSFORD.  
 729. STL'S SILKEN LES-CATE AUX  
 William E. Resor, Huntsville, Ala.  
 734. SIGNAL'S LILY FLAG.  
 Thomas Beer, Bucyrus, Ohio.  
 724. LADY ELFLED.  
 Estate Franklin N. Billings, Woodstock,  
 Vt.  
 811. PRINCESS HONOR.  
 812. STOKE POGIS REGINA.  
 Latimer & Miller, Abingdon, Ill.  
 756. IMAGE.  
 757. PACK'S HALLIE.  
 La Veta Cattle Company, Topeka, Kas.  
 719. KANSAS CINDERELLA.  
 740. LUCY T. OF LA VETA.  
 A. P. Foster, Plainview, Minn.  
 747. LEAF.  
 728. VIOLETTE.  
 Rolla Oliver, Dearborn, Mo.  
 737. CARMEN OF ST. LAMBERT.  
 753. ANNIE OF CANTERBURY.  
 Hudson, Mrs. S. E., Alexandria, N. Y.  
 739. EXILE'S LULU.  
 Mortimer Levering, La Fayette, Ind.  
 877. ADELINA SIGNAL.  
 908. LUCY OF TAGHGAMEK.  
 W. E. Mathews, Huntsville, Ala.  
 810. ALTERNATION.  
 P. C. Cogswell, Rochester, N. Y.  
 816. MOCHA'S PET PHETA.  
 817. EXILE'S ST. JOHN.  
 Edgar Brewer, Horkannum, Conn.  
 815. SAYDA 8d.  
 M. C. Campbell, Spring Hill, Tenn.  
 815. LITTLE MARTIN.  
 C. A. Sweet, Buffalo, N. Y.  
 816. IDA MERRIGOLD.  
 Frank Eas, Pine Plains, N. Y.  
 814. SIGNAL QUEEN.

- D. L. Heinsheuer, Glenwood, Iowa.  
 823. HUGO COUNTLESS.  
 O. & C. T. Graves, Maitland, Mo.  
 822. MERRY MAIDEN.  
 C. I. Hunt, Lowell, Mass.  
 820. ISLIPLENEX.  
 821. BROWN BESSIE.  
 Kentucky Agricultural Experiment Station,  
 Lexington, Ky.  
 818. GAY ORPHAN.  
 819. JUSTA POGIS.

CLASS VII.—HOLSTEIN-FRIESIANS.

Location—Block C. Barn 8.

Section 1.—Bull, 3 years old or over.

Premiums: 1st 50.00 2d 35.00 3d 20.00 4th 15.00

- Wm. Rood, Binghampton, N. Y.  
 944. PARTHENEAS 2d SIR HENRY  
 12366, 4 years old; s. Sir Henry of Maple-  
 wood 2933; d. Imp. Parthena 9597 H. H. B.  
 945. SOLDENE 2d NETHERLAND  
 8519, 5 years old; s. Netherland Statesman  
 328; d. Soldene 2d 9808 H. H. B. & 493 A. R.  
 J. C. McNevin & Son, Winona, Ont.  
 941. SUPPLY-SEIPSKA 3d.  
 A. E. Riley, Walled Lake, Mich.  
 946. YKEMA MERCEDES.  
 D. F. Wilbur, Oneonta, N. Y.  
 942. SIR HENRY OF MAPLEWOOD.  
 943. COLANTHA'S 2d, SIR HENRY.  
 C. F. Stone, Peabody, Kas.  
 947. MECHTHALDER SIR H. OF M.

Section 2.—Bull, 2 years old and under 3.

Premiums: 1st 50.00 2d 35.00 3d 20.00 4th 15.00

- D. F. Wilbur, Oneonta, N. Y.  
 948. SIR GALATEA COLANTHUS.

Section 3.—Bull, 1 year old and under 2.

Premiums: 1st 50.00 2d 35.00 3d 20.00 4th 15.00

- J. C. McNevin & Son, Winona, Ont.  
 949. TENSEN THRSAMIA.  
 D. F. Wilbur, Oneonta, N. Y.  
 950. NICO'S ARTIS.  
 951. SIR PARTHENEAS MECH-  
 THILDE.  
 C. F. Stone, Peabody, Kas.  
 952. SIR HENRY.

## Section 4.—Bull, under 1 year.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

- D. F. Wilbur, Oneonta, N. Y.  
 953. COUNT CLOTHILDE BEAUTY.  
 954. CLOTHILDE REX.

## Section 5.—Cow, 4 years old or over.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

- J. C. McNevin & Son, Winona, Ont.

955. MAUD TENSEN.  
 956. MARGARET 4th.

- A. E. Riley, Walled Lake, Mich.

959. SENORA YKEMA.  
 960. DELANA.

- D. F. Wilbur, Oneonta, N. Y.

957. PIERTETJE 4th.  
 958. TACOMA.

- C. F. Stone, Peabody, Kas.

961. EMPRESS JOSEPHINE,  
 986. DULCINA.

## Section 6.—Cow, 3 years old and under 4.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

- J. C. McNevin & Son, Winona, Ont.

962. CRESSY TENSEN.

- A. E. Riley, Walled Lake, Mich.

965. SENORA YKEMA 2d.

- D. F. Wilbur, Oneonta, N. Y.

963. IRENE BARNUM.  
 964. MECHTHILDE.

- C. F. Stone, Peabody, Kas.

966. HARMENKER GEEBEN.  
 967. ULA SILVA.

## Section 7.—Heifer, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

- J. C. McNevin & Son, Winona, Ont.

968. CLARIBEL S. JUT.

- A. E. Riley, Walled Lake, Mich.

971. SUSIE SNEEKER 2d.

- D. F. Wilbur, Oneonta, N. Y.

969. HOLLANDER 2d COLANTHEE  
 970. PRINCESS GALATEA.

- C. F. Stone, Peabody, Kas.

972. PRINCESS TEL-MECHTHAL-  
 DER.

## Section 8.—Heifer, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

- J. C. McNevin & Son, Winona, Ont.

973. MADGE MERTON.

- D. F. Wilbur, Oneonta, N. Y.

974. PAULINE PAUL 2d.

975. COUNTESS INKA PIERTETJE.

- C. F. Stone, Peabody, Kas.

977. MAY OVERTON MECHTHAL-  
 DER.

978. SIEMKE 3d MECHTHALDER.

- A. E. Riley, Walled Lake, Mich.

976. SENOR LADY.

## Section 9.—Heifer, under 1 year.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

- J. C. McNevin & Son, Winona, Ont.

979. TERRANNIA BELLE.

- A. E. Riley, Walled Lake, Mich.

982. SENORA YKEMA 3d.

983. ORIFINO 2d.

- D. F. Wilbur, Oneonta, N. Y.

980. THISTLE MERCEDES JEWEL.

981. HERNSTINE OF MAPLEWOOD.

- C. F. Stone, Peabody, Kas.

984. GOLD LEAF 2d.

985. JANKE 5th PRIDE MECH-  
 THALDER.

Section 10. Herd, consisting of one bull 2 years old or over, one cow 4 years old or over, one cow 3 years old and under 4, one heifer 2 years old and under 3, one heifer 1 year old and under 2, one heifer under 1 year.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

- J. C. McNevin & Son, Winona, Ont.

941. SUPPLY SEEPSKY 8d.

955. MAUD TENSEN.

962. CRESSY TENSEN.

968. CLARIBEL S. JUT.

973. MADGE MERTON.

979. TERRANNIA BELLE.

- A. E. Riley, Walled Lake, Mich.

946. YKEMA-MERCEDES.

959. SENORA YKEMA.

960. DELANO.

965. SENORA OF YKEMA 2d.

- SUSIE SNEEKER.

976. SENOR LADY.

- D. F. Wilbur, Oneonta, N. Y.  
 943. COLANTHA'S 2d SIR HENRY.  
 958. TACOMA.  
 963. IRENE BARNUM.  
 970. PRINCESS GALATEA.  
 974. PAULINE PAUL 2d.  
 980. THISTLE MERCEDES JEWEL.

- D. F. Wilbur, Oneonta, N. Y.  
 942. SIR GALATEA COLANTHUS.  
 PIETERTJE 4th.  
 964. MECHTHILDE 4th.  
 969. HOLLANDER'S 2d COLANTHA.  
 975. COUNTESS INKA PIETERTJE.  
 981. HERMSTEIN OF MAPLEWOOD.

- C. F. Stone, Peabody, Kas.  
 947. MECHTHALDER SIR H. OF M.  
 PRINCESS PEL.  
 966. HARMENKER GEEBON.  
 SURESTER'S MECHTHELDER.  
 MARY OVERTON MECHTHELDER.  
 EMPRESS JOSEPHINE 3d OF SIR H.

Section 11.—Young herd, consisting of one bull and four heifers all under 2 years, and bred by exhibitor.

Premiums: 1st \$100.00 2d \$75.00 3d \$50.00 4th \$25.00

- C. F. Stone, Peabody, Kas.  
 EMPRESS JOSEPHINE 3d, SIR HENRY.  
 977. MAY OVERTON'S MECHTHELDIE.  
 SYNTHIA 2d MECHTHELDIE.  
 SWISTER MECHTHELDIE.  
 WICHITA BELLE'S MECHTHELDIE.

- D. F. Wilbur, Oneonta, N. Y.  
 COUNTSOLDENE CLOTHILDE.  
 HELEN CLOTHILDE.  
 BENETI 2d CLOTHILDE.  
 CRUMHORN LASS.  
 GENESTA ECHO 2d.

Section 12.—Four animals of either sex, the get of one sire.

Premiums: 1st \$100.00 2d \$75.00 3d \$50.00 4th \$25.00

- A. E. Riley, Walled Lake, Mich.  
 946. YKEMA MERCEDES.  
 976. SENORA LADY.  
 959. SENORA YKEMA.  
 D. F. Wilbur, Oneonta, N. Y.  
 942. SIR HENRY OF MAPLEWOOD.  
 943. COLANTHA'S 2d SIR HENRY.  
 970. PRINCESS GALATEA.  
 PARANNA ABBEKIRK 2d.  
 ALEXMA 4th.

- C. F. Stone, Peabody, Kas.  
 947. MECHTHELDIE SIR H. OF M.  
 977. MAY OVERTON'S MECHTHELDIE.  
 SYNTHIA 3d MECHTHELDIE.  
 SWISTER MECHTHELDIE.  
 GOLD LEAF 2d MECHTHELDIE.

Section 13.—Two animals of either sex, the produce of one cow.

Premiums: 1st \$80.00 2d \$40.00 3d \$20.00 4th \$10.00

- A. E. Riley, Walled Lake, Mich.  
 959. SENORA YKEMA.  
 965. SENORA YKEMA 2d.  
 982. SENOR YKEMA 3d.  
 D. F. Wilbur, Oneonta, N. Y.  
 PAULINE PAUL.  
 PAULINE PAUL 2d.  
 PAULINE PAUL 3d.

SWEEPSTAKES.

Section 14.—Bull, any age.

Premium: \$50.00 and medal.

- Wm. Rood, Binghampton, N. Y.  
 944. PARTHENA'S 2d.  
 945. SOLDENE OF NETHERLAND.  
 J. C. McNevin, Winona, Ont.  
 941. SUPPLY 3d.  
 949. TENSEN TIRANNIA CASTINE KING.  
 A. E. Riley, Walled Lake, Mich.  
 946. YKEMA MERCEDES.  
 D. F. Wilbur, Oneonta, N. Y.  
 942. SIR HENRY OF MAPLEWOOD.  
 943. COLANTHA'S 2d SIR HENRY.  
 C. F. Stone, Peabody, Kas.  
 947. MECHTHALDER SIR H. OF M.

Section 15.—Cow, any age.

Premium: \$50.00 and medal.

- J. C. McNevin & Son, Winona, Ont.  
 955. MAUD TENSEN.  
 968. CLARIBEL S. JUT.  
 A. E. Riley, Walled Lake, Mich.  
 959. SENORA YKEMA.  
 960. DELANO.  
 D. F. Wilbur, Oneonta, N. Y.  
 958. TACOMA.  
 957. PIETERTJE 4th.  
 C. F. Stone, Peabody, Kas.  
 961. EMPRESS JOSEPHINE 3d.  
 986. DULCINA.

## CLASS VIII.—AYRSHIRES.

Location—Block C. Barns 2 and 4

Section 1.—Bull, 3 years or over.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

P. Beatty, Pataskala, Ohio.

1029. TALLAHASSE.

1030. TALLAHOO.

J. H. Crane &amp; Sons, Toledo, Ohio.

1027. OKLAHOMA.

1028. PROUD FOOT.

Daniel Drummond, Petite Cote, Montreal, Can.

1025. TOM BROWN.

Thomas Guy, Oshawa, Ont.

1023. BARON OF PARK HILL.

Thomas Irving, Logan's Farm, Montreal, Can.

1022. GOLDEN BERRY.

Wm. Stewart, Jr., Menie, Ont.

1031. WHITE PRINCE 2d.

C. M. Winslow, Brandon, Vt.

1021. NONPAREIL.

J. Yuill &amp; Sons, Carleton Place, Ont.

1024. McNEIL.

W. M. Smith, Fairfield Plains, Ont.

1032. BURFORD.

Section 2.—Bull, 2 years and under 3.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

J. P. Beatty, Pataskala, Ohio.

1037. DIXIE.

J. H. Crane &amp; Sons, Toledo, Ohio.

1036. TOLEDO BOY.

L. D. Drew, Burlington, Vt.

1035. RISING STAR.

Daniel Drummond, Petite Cote, Montreal, Can.

1034. GLENCOE.

Thomas Guy, Oshawa, Ont.

1033. DEFENDER.

Section 3.—Bull, 1 year and under 2.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

J. P. Beatty, Pataskala, Ohio.

1043. BINGO.

J. H. Crane &amp; Sons, Toledo, Ohio.

1042. PEDRO.

Thos. Guy, Oshawa, Ont.

1041. SALISBURY.

Thomas Irving, Logans Farm, Montreal, Can.

1040. LORD LORN OF ROCKFIELD.

Robert Robertson, Howick, Quebec, Can.

1039. LORD ROLO.

Wm. Stewart, Jr., Menie, Ont.

1044. TAM GLEN 2d.

C. M. Winslow, Brandon, Vt.

1038. PARK HILL.

Section 4.—Bull, under 1 year.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

J. P. Beatty, Pataskala, Ohio.

1052. JO JO.

1053. BEN DAVIS.

J. H. Crane &amp; Sons, Toledo, Ohio.

1051. BENJAMIN H.

Thomas Guy, Oshawa, Ont.

1048. LORD ABERDEEN.

Thomas Irving, Logans Farm, Montreal.

1047. GYPSY BOY OF ROCKFIELD.

Robert Robertson, Howick, Quebec.

1046. PURE GOLD.

Wm. Stewart, Jr., Menie, Ont.

1055. ORPHAN BOY.

C. M. Winslow, Brandon, Vt.

1045. REFUGE.

J. Yuill &amp; Sons, Carleton Place, Ont.

1049. LEONARD MEADOWSIDE.

1050. LEE'S MEADOWSIDE.

Thomas Watson, Georgetown, Can.

1056. SILVER DOLLAR.

W. M. Smith, Fairfield Plains, Ont.

1142. STEVE BALDWIN.

1054. ADONIS.

Section 5.—Cow, 4 years old or over.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

J. P. Beatty, Pataskala, Ohio.

1068. HILLSIDE MAID.

1069. LADY JEWESS 2d.

J. H. Crane &amp; Sons, Toledo, Ohio.

1066. CORAL.

1067. HILLSIDE MAID 2d.

L. S. Drew, Burlington, Vt.

1143. VICTORINE.

1065. NANCY B.

Daniel Drummond, Petite Cote, Montreal, Can.

1063. NELLIE OSBORNE.

1064. MAGGIE OF THE HILL.

Thomas Irving, Logans Farm, Montreal, Can.

1059. GIPSY QUEEN 4th.

1060. WOODSIDE COUNTESS.

Wm. Stewart, Jr., Menie, Ont.

1070. PRIDE OF MENIE STOCK YARDS.

C. M. Winslow, Brandon, Vt.

1057. CLIO ROSE.

1058. CLIO.

J. Yuill & Sons, Carleton Place, Ont.  
1064. PORTULACA 2d.  
1062. LILY OF MEADOWSIDE.  
W. M. Smith, Fairfield Plains, Ont.  
1071. GUERTA 11th.  
1072. ADA.

Section 6.—Cow, 3 years old and under 4.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

J. P. Beatty, Pataskala, Ohio.  
1081. KLUCK.  
1082. DAISY QUESS.  
J. H. Crane & Sons, Toledo, Ohio.  
1080. BELLE TOLEDO.  
L. S. Drew, Burlington, Vt.  
1079. MINNEHAHA.  
Daniel Drummond, Petite Cote, Montreal, Can.  
1077. JESSIE OF BURNSIDE.  
Thomas Irving, Logan's Farm, Montreal, Can.  
1075. MINNA OF ROCKFIELD.  
Wm. Stewart, Jr., Menie, Ont.  
1083. NELL OF PARK HILL.  
C. M. Winslow, Brandon, Vt.  
1073. ACME 5th.  
1074. LILLIAN DOUGLAS.  
J. Yuill & Sons, Carleton Place, Ont.  
1076. PERFECTION OF MEADOWSIDE.  
W. M. Smith, Fairfield Plains, Ont.  
1084. DOLLY.

Section 7.—Heifer 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

J. P. Beatty, Pataskala, Ohio.  
1077. HILLSIDE MAID 4th.  
1098. DORA OF PATASKALA.  
J. H. Crane & Sons, Toledo, Ohio.  
1095. GLADIOLAS.  
1096. TOLEDO GIRL.  
L. S. Drew, Burlington, Vt.  
1093. ROANETTE.  
1094. LITTLE NELL.  
Daniel Drummond, Petite Cote, Montreal, Can.  
1091. WHITE FLOSS.  
1092. EVA OF BURNSIDE.  
Thomas Guy, Oshawa, Ont.  
1088. WHITE ROSE OF SYDENHAM.  
Thomas Irving, Logan's Farm, Ont.  
1087. MABEL OF BURNSIDE.  
Wm. Stewart, Jr., Menie, Ont.  
1099. CLARA BELL.

C. M. Winslow, Brandon, Vt.  
1085. BONNIE NANNIE 4th.  
J. Yuill & Sons, Carleton Place, Ont.  
1088. LADY MEADOWSIDE.  
1090. EVA MEADOWSIDE.  
W. M. Smith, Fairfield Plains, Ont.  
1090. BETSY.

Section 8.—Heifer, 1 year and under 2.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

J. P. Beatty, Pataskala, Ohio.  
1116. HESTUS MAID.  
1117. ROXIE.  
J. H. Crane & Sons, Toledo, Ohio.  
1114. MADAM DEVER.  
1115. LULU C.  
L. S. Drew, Burlington, Vt.  
1113. LITTLE JOSIE.  
Daniel Drummond, Petite Cote, Montreal, Can.  
1112. THE BLONDE OF WOODSIDE.  
Thomas Guy, Oshawa.  
1107. LADY WALLACE 4th.  
1108. DOLLY OF THE LAKE.  
Thomas Irving, Logan's Farm, Montreal, Can.  
1105. BERTIE.  
1106. KICKAPOO.  
Robert Robertson, Howick, Que.  
1103. BELLE HAMBLINE.  
1104. MINNIE BURNSIDE.  
Wm. Stewart, Jr., Menie, Ont.  
1118. WHITE LILY.  
1119. AYRSHIRE MAGGIE.  
W. M. Smith, Fairfield Plains, Ont.  
1120. GURTA 18th.  
1121. GURTA 19th.  
C. M. Winslow, Brandon, Vt.  
1101. ROSE ETHEL.  
1102. ROSE ALLIE.  
J. Yuill & Sons, Carleton Place, Ont.  
1109. PANSEY MEADOWSIDE.  
1110. LASS MEADOWSIDE.

Section 9.—Heifer, under 1 year.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

J. P. Beatty, Pataskala, Ohio.  
1136. LORA LEE.  
1137. VINA.  
J. H. Crane & Sons, Toledo, Ohio.  
1134. MINNIE H.  
1135. LADY MAY.  
L. S. Drew, Burlington, Vt.  
1132. PRIDE OF BURLINGTON.  
1133. MISS OLLIE.

- Daniel Drummond, Petite Cote, Montreal, Can.  
 1130. SILVER BLOSSOM.  
 1131. MISS EVA.  
 Thomas Guy, Oshawa, Ont.  
 1126. DOLLY OF ONTARIO.  
 1127. OSHAWA LASS 6th.  
 Thomas Irving, Logan's Farm, Montreal, Can.  
 1124. SHERBROOKE LASS OF ROCKFIELD.  
 1125. DUCHESS OF FIFE.  
 Robert Robertson, Howick, Que.  
 1123. BUD OF BURNSIDE.  
 Wm. Stewart, Jr., Menie, Ont.  
 1138. SCOTCH LASSIE JEAN.  
 1139. HIGHLAND MARY 2d.  
 C. M. Winslow, Brandon, Vt.  
 1122. ROSE SULTANA.  
 J. Yuill & Sons, Carleton Place, Ont.  
 1128. LOUIE MEADOWSIDE.  
 1129. MARY MEADOWSIDE.  
 W. M. Smith, Fairfield Plains, Ont.  
 1140. PAULINE HALL.  
 1141. ADA MARIUS.

Section 10.—Herd, consisting of one bull 2 years old or over, one cow 4 years old or over, one cow 3 years old and under 4, one heifer 2 years old and under 3, one heifer 1 year old and under 2, one heifer under 1 year.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

- J. P. Beatty, Pataskala, Ohio.  
 1029. TALLAHASSE.  
 1086. HILLSIDE MAID.  
 1081. KLUCK.  
 1098. DORA OF PATASKALA.  
 1116. HESTUS MAID.  
 1117. VINA.  
 J. H. Crane & Sons, Toledo, Ohio.  
 1027. OKLAHOMA.  
 1067. HILLSIDE MAID.  
 1080. BELLE OF TOLEDO.  
 1096. TOLEDO GIRL.  
 1114. MADAME DEVER.  
 1134. MINNIE H.  
 L. S. Drew, Burlington, Vt.  
 1035. RISING STAR.  
 1143. VICTORINE.  
 1079. MINNEHAHA.  
 1094. LITTLE NELL.  
 1113. LITTLE JOSIE.  
 1132. PRIDE OF BURLINGTON.  
 Daniel Drummond, Petite Cote, Montreal, Can.  
 1025. TOM BROWN.  
 1063. NELLIE OSBORNE.  
 1077. JESSIE OF BURNSIDE.  
 1091. WHITE FLOSS.

1112. THE BLOND OF WOODSIDE.  
 1130. SILVER BLOSSOM.  
 Thomas Irving, Logan's Farm, Montreal, Can.  
 1022. GOLDEN BERRY.  
 1059. GIPSEY QUEEN 4th.  
 1075. MINNA OF ROCKFIELD.  
 1087. MABEL OF BURNSIDE.  
 1106. KICKAPOO.  
 1125. DUCHESS OF FIFE.  
 Wm. Stewart, Jr., Menie, Ont.  
 1031. WHITE PRINCE 2d.  
 1070. PRIDE OF MENIE STOCK YARDS.  
 1083. NELL OF PARK HILL.  
 1099. CLARA BELL.  
 1118. WHITE LILY.  
 HIGHLAND MARY.  
 C. M. Winslow, Brandon, Vt.  
 1021. NONPAREIL.  
 ROSS.  
 1073. ACME 5th.  
 DARTMOUTH DUCHESS.  
 1101. ROSE ETHEL.  
 1122. ROSE SULTANA.  
 W. M. Smith, Fairfield Plains, Ont.  
 1032. BURFORD.  
 1072. ADA.  
 1084. DOLLY.  
 1100. BETSY.  
 GURTA.  
 1140. PAULINE HALL.

Section 11.—Young herd, consisting of one bull and four heifers, all under 2 years bred by exhibitor.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

- J. P. Beatty, Pataskala, Ohio.  
 1043. BINGO.  
 1116. HESTUS MAID.  
 1117. ROXIE.  
 1136. LORA LEE.  
 J. H. Crane & Sons, Toledo, Ohio.  
 1051. BENJAMIN H.  
 1114. MADAME DEVER.  
 1115. LULU C.  
 1134. MINNIE H.  
 1135. LADY MAY.  
 Thomas Guy, Oshawa, Ont.  
 1041. SALISBURY.  
 1108. DOLLY OF THE LAKE.  
 1107. LADY WALLACE 4th.  
 1126. DOLLY OF ONTARIO.  
 1127. OSHAWA LASS 6th.  
 Robert Robertson, Howick, Quebec.  
 1039. LORD ROLLO.  
 BUD OF BURNSIDE.  
 QUEEN OF BURNSIDE.  
 1103. BELLE HAMLIN.  
 1104. MINNIE OF BURNSIDE.

Wm. Stewart, Jr., Menie, Ont.

1044. TAM GLEN.  
1118. WHITE LILY.  
1119. AYRSHIRE MAGGIE.  
1138. SCOTCH LASSIE JEAN.  
1139. HIGHLAND MARY.

C. M. Winslow, Brandon, Vt.

1045. REFUGE.  
1101. ROSE ETHEL.  
1102. ROSE ALLIE.  
ROSE CLENN.  
1122. ROSE SULTANA.

W. M. Smith, Fairfield Plains, Ont.

1054. ADONIS.  
1120. GURTA 18th.  
1121. GURTA 19th.  
1140. PAULINE HALL.  
1141. ADA MARIUS.

Section 12.—Four animals of either sex,  
the get of one sire.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

J. P. Beatty, Pataskala, Ohio.

1029. TALLAHASSE.  
1097. HILLSIDE MAID 4th.  
1098. DORA OF PATASKALA.  
1116. HESTUS MAID.  
1117. ROXIE.

J. H. Crane & Sons, Toledo, Ohio.

- LUCAS.  
1096. TOLEDO BOY.  
1051. BENJAMIN H.  
1114. MADAME DEVER.  
1135. LADY MAY.

L. S. Drew, Burlington, Vt.

- TASCOTT.  
1035. RISING STAR.  
1093. ROANETTE.  
1094. LITTLE NELL.  
1113. LITTLE JOSIE.

Thomas Guy, Oshawa, Ont.

1023. BARON OF PARK HILL.  
1032. DEFENDER.  
1048. LORD ABERDEEN.  
1107. LADY WALLACE 4th.  
1127. OSHAWA LASS 6th.

Thomas Irving, Logans Farm, Montreal, Can.

- ROB ROY OF P. H.  
LORD LORNE.  
GIPSEY BOY OF ROCKFIELD.  
MINNA OF ROCKFIELD.

Robert Robertson, Howick Quebec.

1046. EVA.  
GOLDEN GUINEA.  
GOLDEN BERRY.  
JESSIE OF BURNSIDE.  
THE BLONDE OF WOODSIDE.

Robert Robertson, Howick, Que.

- GOLDEN GUINEA.  
1039. LORD ROLLO.  
1104. MINNIE OF BURNSIDE.  
1103. BELLE HAMLIN.  
BUD OF BURNSIDE.

Wm. Stewart, Jr., Menie, Ont.

1031. WHITE PRINCE 2d.  
1044. TAM GLEN.  
1118. WHITE LILY.  
1119. AYRSHIRE MAGGIE.  
1138. SCOTCH LASSIE JEAN.

C. M. Winslow, Brandon, Vt.

- CASINO.  
1101. ROSE ETHEL.  
ROSE CLENN.  
1102. ROSE ALLIE.  
1122. ROSE SULTANA.

Section 13.—Two animals of either sex,  
the produce of one cow.

	1st	2d	3d	4th
Premiums:	\$80.00	\$40.00	\$20.00	\$10.00

J. P. Beatty, Pataskala, Ohio.

1081. KLUCK.  
1117. ROXIE.  
J. H. Crane & Sons, Toledo, Ohio.  
1066. CORA L.  
1036. TOLEDO BOY.  
1042. PEDRO.

L. S. Drew, Burlington, Vt.

- PRINTSLEP 2d.  
LITTLE NELL.  
1113. LITTLE JOSIE.

L. S. Drew, Burlington, Vt.

- MISS CORNELIA.  
1065. NANCY B.  
1079. MINNEHAHA.

Daniel Drummond, Petite Cote, Montreal, Can.

- MAY FLOWER.  
1077. JESSIE OF BURNSIDE.  
1092. EVA OF BURNSIDE.

Thomas Guy, Oshawa, Ont.

- VIOLET.  
1033. DEFENDER.  
1048. LORD ABERDEEN.

Thomas Guy, Oshawa, Ont.

- DOLLY.  
1108. DOLLY OF THE LAKE.  
1126. DOLLY OF ONTARIO.

Thomas Irving, Logana Farm, Montreal, Can.

- ARDGOWAN LASS 2d.  
1040. LORD LORNE OF ROCKFIELD.

Robert Robertson, Howick, Quebec.

1075. MINNA OF ROCKFIELD.  
LUNA 2d.  
1104. MINNIE OF BURNSIDE.  
QUEEN OF BURNSIDE.

Robert Robertson, Howick, Quebec.

- FLORENCE.  
1064. MAGGIE OF THE HILL.  
1046. PURE GOLD.

Wm. Stewart, Jr., Menie, Ont.

- ANNIE LAURIE.  
1070. PRIDE OF MENIE STOCK-  
YARDS.  
1139. HIGHLAND MARY 2d.

#### Section 14.—Bull, any age.

Premium: \$50.00 and medal.

J. P. Beatty, Pataskala, Ohio.

1029. TALLAHASSE.  
1037. DIXIE.

J. H. Crane & Sons, Toledo, Ohio.

1027. OKLAHOMA.  
1036. TOLEDO BOY.

L. S. Drew, Burlington, Vt.

1035. RISING STAR.

Daniel Drummond, Petite Cote, Montreal,

- Can.  
1025. TOM BROWN.  
1034. GLENCOE.

Thomas Irving, Logans Farm, Montreal,

- Can.  
1022. GOLDEN BERRY.  
1040. LORD LORNE.

Robert Robertson, Howick, Quebec.

1039. LORD ROLLO.  
1046. PURE GOLD.

Wm. Stewart, Jr., Menie, Ont.

1037. WHITE PRINCE 2d.  
1044. TAM GLEN.

C. M. Winslow, Brandon, Vt.

1021. NONPAREIL.  
1038. PARK HILL.

J. Yuill & Sons, Carleton Place, Ont.

1024. MACNEIL.  
1049. LEONARD MEADOWSIDE.

W. M. Smith, Fairfield Plains, Ont.

1032. BURFORD.  
1054. ADONIS.

Thomas N. Watson, Georgetown, Can.

1056. SILVER DOLLAR.

#### Section 15.—Cow, any age.

Premium: \$50.00 and medal.

J. P. Beatty, Pataskala, Ohio.

1068. HILLSIDE MAID.  
1098. DORA OF PATASKALA.

J. H. Crane & Sons, Toledo, Ohio.

1066. CORA L.  
1067. HILLSIDE MAID 2d.

L. S. Drew, Burlington, Vt.

1143. VICTORINE.  
1065. NANCY B.

Daniel Drummond, Petite Cote, Montreal,

- Can.  
1063. NELLIE OSBORNE.  
1091. WHITE FLOSS.

Thomas Guy, Oshawa, Ont.

1088. WHITE ROSE OF SYDER  
HAM.

Thomas Irving, Logans Farm, Montreal,

- Can.  
1059. GIPSEY QUEEN.  
1060. WOODSIDE COUNTESS.

Robt. Robertson, Howick, Quebec.

1104. MINNIE OF BURNSIDE.  
1103. BELLE HAMLIN.

Wm. Stewart, Jr., Menie, Ont.

1070. PRIDE OF MENIE STOCK  
YARDS.

1099. CLARA BELL.

C. M. Winslow, Brandon, Vt.

1057. CLIO ROSE.

J. Yuill & Sons, Carleton Place, Ont.

1061. PORTULACA 2d.  
1076. PERFECTION OF MEADOW-  
SIDE.

W. M. Smith, Fairfield Plains, Ont.

1072. ADA.  
1071. GERTIE 11th.

#### CLASS IX.—GUERNSEYS.

Location—Block C. Barns 2 and 4.

#### Section 1.—Bull, 3 years old or over.

Premiums:	1st	2d	3d	4th
	\$50.00	\$35.00	\$20.00	\$15.00

W. D. Richardson, Garden City, Miss.

1161. YEKSA'S PRINCE.

J. N. Greenshields, Isaleigh Grange, Dan-  
ville, Can.

1164. ONTARIO'S PRIDE.

Francis Shaw, Wayland, Mass.

1162. DEPUTY.

A. J. Cassatt, Berwyn, Pa.

1165. FLIPPANT.

1166. NONESUCHSON.

G. Howard Davison, Millbrook, N. Y.

1163. LORD STRANFORD.

#### Section 2.—Bull, 2 years old and under 3.

Premiums:	1st	2d	3d	4th
	\$50.00	\$35.00	\$20.00	\$15.00

W. D. Richardson, Garden City, Miss.

1167. LINDEN PRINCE.

## Section 3.—Bull, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

W. D. Richardson, Garden City, Minn.

1168. BERKSHIRE SELECT.

G. Howard Davison, Millbrook, N. Y.

1169. CARMAN.

## Section 4.—Bull, under 1 year.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

W. D. Richardson, Garden City, Minn.

1170. HAZEL'S PRINCE.

J. N. Greenfields, Isleigh Grange, Danville, Can.

1172. ISALEIGH CHOICE.

A. J. Cassatt, Berwyn, Pa.

1173. BARD.

G. Howard Davison, Millbrook, N. Y.

1171. DAVISON'S DUKE.

## Section 5.—Cow, 4 years old or over.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

W. D. Richardson, Garden City, Minn.

1174. BERKSHIRE MAID.

1175. IMP. OPHIR.

A. J. Cassatt, Berwyn, Pa.

1176. ENCORE.

1179. VALENCIA.

G. Howard Davison, Millbrook, N. Y.

1176. PURITY.

1177. GLORIANA 3d.

## Section 6.—Cow, 3 years old and under 4.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

W. D. Richardson, Garden City, Minn.

1180. HAZLE OF HAZLEWOOD.

1181. MILK MAID 2d.

A. J. Cassatt, Berwyn, Pa.

1184. CLELLA'S PET.

1185. NELLIE OVID.

G. Howard Davison, Millbrook, N. Y.

1182. MISS HUDDAN 2d.

1183. INDIANA GIRL 3d.

## Section 7.—Heifer, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$50.00	\$35.00	\$20.00	\$15.00

W. D. Richardson, Garden City, Minn.

1186. OPHIR'S EVALINE.

1187. HURTHA.

G. Howard Davison, Millbrook, N. Y.

1188. BEORA.

## Section 8.—Heifer, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

W. D. Richardson, Garden City, Minn.

1189. BELLE R.

1190. EROL.

A. J. Cassatt, Berwyn, Pa.

1193. MANDINA OF CHESTER.

1194. PETITE OF CHESTER.

G. Howard Davison, Millbrook, N. Y.

1191. CZARINA OF MILEBROOK.

N. Y.

1192. DAVISON'S PRIDE.

## Section 9.—Heifer, under 1 year.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$15.00

W. D. Richardson, Garden City, Minn.

1195. OPHIR'S PEARL.

A. J. Cassatt, Berwyn, Pa.

1198. VEXATION.

1199. VIRTUE OF CHESTER.

G. Howard Davison, Millbrook, N. Y.

1196. DAREMERE.

1197. DELFINE.

Section 10.—Herd, consisting of one bull 2 years old or over, one cow 4 years old or over, one cow 3 years old and under 4, one heifer 2 years old and under 3, one heifer 1 year old and under 2, one heifer under 1 year old.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

W. D. Richardson, Garden City, Minn.

1161. YEKSA'S PRINCE.

1174. BERKSHIRE MAID.

1181. MILK MAID 2d.

1187. HURTHA.

1189. BELLE R.

1195. OPHIR'S PEARL.

A. J. Cassatt, Berwyn, Pa.

1165. FLIPPANT.

1178. ENCORE.

1185. NELLIE OVID.

1183. MILLVEST.

1193. MAUDINA OF CHESTER.

1198. VEXATION.

G. Howard Davison, Millbrook, N. Y.

1163. LORD STRANFORD.

1176. PURITY.

1183. INDIANA GIRL 3d.

1188. BEORA.  
1191. CZARINA OF MILLBROOK.  
1196. DAREMERE.

Section 11.—Young herd, consisting of one bull and four heifers, all under 2 years. Bred by exhibitor.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

A. J. Cassatt, Berwyn, Pa.

1173. BARD.  
1193. MAUDINA OF CHESTER.  
FLOSSIE OVID.  
VERA'S PET.

1194. PETITE CHESTER.

G. Howard Davison, Millbrook, N. Y.

- DAVISON'S DUKE.  
1191. CZARINA OF MILLBROOK.  
1192. DAVISON'S PRIDE.  
1196. DAREMERE.  
1197. DELFINE.

Section 12.—Four animals of either sex, the get of one sire.

	1st	2d	3d	4th
Premiums:	\$100.00	\$75.00	\$50.00	\$25.00

W. D. Richardson, Garden City, Minn.

1161. YEKSA'S PRINCE.  
1186. OPHIR'S EVALINE.  
1187. HURTHA.  
1189. BELLE R.  
1190. EROL.

A. J. Cassatt, Berwyn, Pa.

- NONESUCH.  
1173. BARD.  
1193. MAUDINA OF CHESTER.  
1198. VEXATION.  
ENCHANTRESS.

G. Howard Davison, Millbrook, N. Y.

- HERO OF SPRINGSIDE.  
1191. CZARINA OF MILLBROOK.  
1192. DAVISON'S PRIDE.  
1196. DAREMERE.  
1197. DELFINE.

Section 13. Two animals of either sex, the produce of one cow.

	1st	2d	3d	4th
Premiums:	\$50.00	\$40.00	\$20.00	\$15.00

W. D. Richardson, Garden City, Minn.

- OPHIR.  
OPHIR'S EVALINE.  
OPHIR'S PEARL.

A. J. Cassatt, Berwyn, Pa.

- ENCORE.  
ENCHANTRESS.  
ENJOY.

A. J. Cassatt, Berwyn, Pa.

1184. CLELLA'S PET.  
1194. PETITE OF CHESTER.  
COUNT OF BERWYN.

G. Howard Davison, Millbrook, N. Y.

1176. PURITY.  
1191. CZARINA OF MILLBROOK.  
1196. DAREMERE.

Section 14.—Bull, any age.

Premium: \$50.00 and medal.

W. D. Richardson, Garden City, Minn.

1161. YEKSA'S PRINCE.  
J. N. Greenshields, Isaleigh Grange, Danville, Quebec, Can.

1164. ONTARIO'S PRIDE.

1172. ISALEIGH CHOICE.

Francis Shaw, Wayland, Mass.

1162. DEPUTY.

A. J. Cassatt, Berwyn, Pa.

1165. FLIPPANT.

1163. BARD.

G. Howard Davison, Millbrook, N. Y.

1163. LORD STRANFORD.

1169. CARMAN.

Section 15.—Cow, any age.

Premium: \$50.00 and medal.

W. D. Richardson, Garden City, Minn.

1174. BERKSHIRE MAID.

A. J. Cassatt, Berwyn, Pa.

1200. BIRDIE OF BERWYN.

1179. VISTA'S VALENCIA.

G. Howard Davison, Millbrook, N. Y.

1176. PURITY.

1196. DAREMERE.

## CLASS XI.—RED-POLLS.

Location—Block D. Barns 1, 2 and 3.

Section 1.—Bull, 3 years old or over.

	1st	2d	3d	4th
Premiums:	\$35.00	\$25.00	\$15.00	\$10.00

J. H. Gilfillan, Maquoketa, Iowa.

1221. DAVYSON 18th.

1222. IOWA DAVYSON 14th.

J. S. & L. K. Haseltine, Dorchester, Mo.

1224. JUMBO 1894, calved July 18, 1888;

s. High Sheriff 109; d. Gravel 3480 by Lord

Charles 693. Bred by exhibitor.

V. T. Hills, Delaware, Ohio.

1225. WILD ROY.

1226. PANDO.

Wm. Miller's Sons, Wayne, Neb.

1223. IOWA DAVYSON 10th.

# RED-POLLS.

## Section 2.—Bull, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$35.00	\$25.00	\$15.00	\$10.00

- J. H. Gilfillan, Maquoketa, Iowa.  
 1227. IOWA DAVYSON 20th.  
 V. T. Hills, Delaware, Ohio.  
 1228. GLEANER.  
 1229. MELTON CHIEF.

## Section 3.—Bull, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$35.00	\$25.00	\$15.00	\$10.00

- J. H. Gilfillan, Maquoketa, Iowa.  
 1230. IOWA DAVYSON 22d.  
 1231. COLUMBUS.  
 S. & L. K. Haseltine, Dorchester, Mo.  
 1232. JUMBO 10th.  
 1233. FRANCILLO 11th.  
 V. T. Hills, Delaware, Ohio.  
 1234. CHIME.

## Section 4.—Bull, under 1 year.

	1st	2d	3d	4th
Premiums:	\$25.00	\$20.00	\$15.00	\$10.00

- J. H. Gilfillan, Maquoketa, Iowa.  
 1235. IOWA DAVYSON 23d.  
 1236. IOWA DAVYSON 24th.  
 J. S. & L. K. Haseltine, Dorchester, Mo.  
 1239. JUMBO 13th.  
 1240. JUMBO 18th.  
 V. T. Hills, Delaware, Ohio.  
 1241. PAT ROY.  
 1242. LUCRE.  
 Wm. Miller's Sons, Wayne, Neb.  
 1237. LORD HASTINGS.  
 1238. EARL OF BROOKDALE.

## Section 5.—Cow, 4 years old or over.

	1st	2d	3d	4th
Premiums:	\$35.00	\$25.00	\$15.00	\$10.00

- J. H. Gilfillan, Maquoketa, Iowa.  
 1243. PRISCILLA.  
 1244. EULALIE 2d.  
 J. S. & L. K. Haseltine, Dorchester, Mo.  
 1247. AURORA.  
 1248. NELL 2d.  
 V. T. Hills, Delaware, Ohio.  
 1249. CHIC.  
 1250. CHERRY RIPE.  
 Wm. Miller's Sons, Wayne, Neb.  
 1245. RUPERTA.  
 1246. WELCOME.

## Section 6.—Cow, 3 years old and under 4.

	1st	2d	3d	4th
Premiums:	\$35.00	\$20.00	\$15.00	\$10.00

- J. H. Gilfillan, Maquoketa, Iowa.  
 1251. EULALIE 3d.  
 1252. IOWA DAVY 9th.  
 J. S. & L. K. Haseltine, Dorchester, Mo.  
 1255. MIGNONETTE 3d.  
 1256. NELL 3d.  
 V. T. Hills, Delaware, Ohio.  
 1257. POCAHONTAS.  
 1258. NANNY.  
 Wm. Miller's Sons, Wayne, Neb.  
 1253. IOWA DAVY 10th.  
 1254. 1st LADY OF BROOKDALE.

## Section 7.—Heifer, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$35.00	\$25.00	\$15.00	\$10.00

- J. H. Gilfillan, Maquoketa, Iowa.  
 1259. IOWA DAVY 12th.  
 1260. IOWA DAVY 13th.  
 J. S. & L. K. Haseltine, Dorchester, Mo.  
 1262. VICTORIA 2d.  
 1263. MISS BERTHA 4th.  
 V. T. Hills, Delaware, Ohio.  
 1264. ULTIMATE.  
 1265. TINSEL.  
 Wm. Miller's Sons, Wayne, Neb.  
 1261. MISS MUFFITT, calved April 1,  
 1891; s. Davyson 18th 822; d. Eugenia 1499  
 by Pop Gun 542. Bred by Gilfillan & Mur-  
 ray, Maquoketa, Iowa.

## Section 8.—Heifer, 1 year and under 2.

	1st	2d	3d	4th
Premiums:	\$25.00	\$20.00	\$15.00	\$10.00

- J. H. Gilfillan, Maquoketa, Iowa.  
 1266. IOWA DAVY 14th.  
 1267. IOWA DAVY 15th.  
 J. S. & L. K. Haseltine, Dorchester, Mo.  
 1270. NAN OF ELMHAM 2d.  
 1271. CHERRY BLOSSOM 3d.  
 V. T. Hills, Delaware, Ohio.  
 1272. PATTERN.  
 1273. CRYSTAL.  
 Wm. Miller's Sons, Wayne, Neb.  
 1268. 2d LADY OF BROOKDALE.  
 1269. MAY DAY QUEEN.

## Section 9.—Heifer, under 1 year.

	1st	2d	3d	4th
Premiums:	\$25.00	\$20.00	\$15.00	\$10.00

- J. H. Gilfillan, Maquoketa, Iowa.  
 1274. MUNNIS.  
 1275. GLADYS.  
 J. S. & L. K. Haseltine, Dorchester, Mo.  
 1277. COSMETIC 2d.  
 1278. NELL 4th.  
 V. T. Hills, Delaware, Ohio.  
 1279. GLINT.  
 1280. NANCY.  
 Wm. Miller's Sons, Wayne, Neb.  
 1276. MISS MELTON.

Section 10.—Herd, consisting of one bull 2 years old or over, one cow 3 years old or over, one heifer 2 years old and under 3, one heifer 1 year old and under 2, one heifer under 1 year.

	1st	2d	3d	4th
Premiums:	\$80.00	\$60.00	\$40.00	\$25.00

- J. H. Gilfillan, Maquoketa, Iowa.  
 1227. IOWA DAVYSON 20th.  
 1251. EULALIE 3d.  
 1260. IOWA DAVY 18th.  
 1266. IOWA DAVY 14th.  
 1274. MUNNIS.  
 J. H. Gilfillan, Maquoketa, Iowa.  
 1221. DAVYSON 18th.  
 1243. PRISCILLA.  
 1259. IOWA DAVY 12th.  
 1267. IOWA DAVY 15th.  
 GLADYS 3d.  
 J. S. & L. K. Haseltine, Dorchester, Mo.  
 1224. JUMBO.  
 1247. AURORA.  
 1263. MISS BERTHA 4th.  
 1270. NAN OF ELMHAM 2d.  
 1278. NELL 4th.  
 V. T. Hills, Delaware, Ohio.  
 1225. WILD ROY.  
 1249. CHIC.  
 1264. ULTIMATE.  
 1272. PATTERN.  
 1279. GLINT.  
 V. T. Hills, Delaware, Ohio.  
 1226. PANDOR.  
 1250. CHERRY RIPE.  
 1265. TINSEL.  
 1273. CRYSTAL.  
 1280. NANCY.  
 Wm. Miller's Sons, Wayne, Neb.  
 1223. IOWA DAVYSON 10th.  
 1245. RUPERTA.  
 1253. IOWA DAVY 10th.  
 1261. MISS MUFFITT.  
 1268. 2d LADY OF BROOKDALE.  
 1276. MISS MILTON.

Section 11.—Young head, consisting of one bull and four heifers, all under 2 years. Bred by exhibitor.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

- J. H. Gilfillan, Maquoketa, Iowa.  
 1230. IOWA DAVYSON 22d.  
 1266. IOWA DAVY 14th.  
 1267. IOWA DAVY 15th.  
 1274. MUNNIS.  
 GLADY'S 3d.  
 J. S. & L. K. Haseltine, Dorchester, Mo.  
 1233. FRANCILLO 11th.  
 CHARM 6th.  
 MISS FALSTAFF 2d.  
 VICTORY 4th.  
 EYKE RUBY 4th.  
 J. S. & L. K. Haseltine, Dorchester, Mo.  
 1232. JUMBO 10th.  
 1270. NAN OF ELMHAM.  
 CHERRY BLOSSOM 8d.  
 JUNO 8d.  
 SUMMER FLOWER 4th.  
 V. T. Hills, Delaware, Ohio.  
 CHIME.  
 PANTOMIME.  
 1272. PATTERN.  
 1273. CRYSTAL.  
 PARADOX.  
 V. T. Hills, Delaware, Ohio.  
 1242. LUCRE.  
 ROSE LOVELY.  
 ROXINA.  
 1279. GLINT.  
 1280. NANCY.  
 Wm. Miller's Sons, Wayne, Neb.  
 LORD HASTINGS.  
 1268. 2d LADY OF BROOKDALE.  
 1269. MAYDAY QUEEN.  
 DUCHESS OF BROOKDALE.  
 COQUETTE OF BROOKDALE.

Section 12.—Four animals of either sex under 4 years, get of one sire.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

- J. H. Gilfillan, Maquoketa, Iowa.  
 1221. DAVYSON 18th.  
 IOWA DAVYSON 10th.  
 1259. IOWA DAVY 12th.  
 1260. IOWA DAVY 13th.  
 1266. IOWA DAVY 14th.  
 J. H. Gilfillan, Maquoketa, Iowa.  
 1221. DAVYSON 18th.  
 1230. IOWA DAVYSON 22d.  
 1236. IOWA DAVYSON 24th.  
 1267. IOWA DAVY 15th.  
 1274. MUNNIS.

J. S. &amp; L. K. Haseltine, Dorchester, Mo.

1224. JUMBO.  
 1232. JUMBO 10th.  
 1270. NAN OF ELMHAM 2d.  
 1271. CHERRY BLOSSOM 3d.  
 VICKY 2d.

J. S. &amp; L. K. Haseltine, Dorchester, Mo.

- FRANCILLO 5th.  
 VICTORY 4th.  
 MISS FALSTAF 2d.  
 JUNO 3d.

1277. COSMETIC 2d.

V. T. Hills, Delaware, Ohio.

- PANDO.  
 MELTON CHIEF.  
 1236. TINSEL.  
 1234. CHIME.  
 PANTOMIME.

V. T. Hills, Delaware, Ohio.

1225. WILD ROY.  
 1228. GLEANER.  
 1272. PATTERN.  
 ROSE LOVELY.  
 1264. ULTIMATE.

Wm. Miller's Sons, Wayne, Neb.

1221. DAVYSON 18th.  
 1223. IOWA DAVYSON 10th.  
 1261. MISS MUFFITT.  
 1254. 1st LADY OF BROOKDALE.  
 1253. IOWA DAVY 10th.

Section 13.—Two animals of either sex,  
 the produce of one cow.

Premiums:	1st	2d	3d	4th
	\$40.00	\$30.00	\$20.00	\$10.00

J. H. Gilfillan, Maquoketa, Iowa.

- DAVY 59th.  
 1227. IOWA DAVYSON 20th.  
 1230. IOWA DAVYSON 22d.

J. H. Gilfillan, Maquoketa, Iowa.

- IOWA DAVY.  
 1260. IOWA DAVY 13th.  
 1266. IOWA DAVY 14th.

J. S. &amp; L. K. Haseltine, Dorchester, Mo.

- GRAVEL.  
 1224. JUMBO.  
 1233. FRANCILLO 11th.

V. T. Hills, Delaware, Ohio.

- GLEAM.  
 GLENMORE.  
 1228. GLEANER.

V. T. Hills, Delaware, Ohio.

- NAN.  
 1258. NANNY.  
 NANCY.

Wm. Miller's Sons, Wayne, Neb.

- EYEBRIGHT 2d.  
 1254. 1st LADY OF BROOKDALE.  
 1268. 2d LADY OF BROOKDALE.

## SWEEPSTAKES.

## Section 14.—Bull, any age.

Premium: \$50.00 and medal.

J. H. Gilfillan, Maquoketa, Iowa.

1227. IOWA DAVYSON 20th.  
 1222. DAVYSON 18th.

J. S. &amp; L. K. Haseltine, Dorchester, Mo.

1224. JUMBO.

V. T. Hills, Delaware, Ohio.

1225. WILD ROY.  
 1226. PANDO.

Wm. Miller's Sons, Wayne, Neb.

1223. IOWA DAVYSON 10th.  
 1237. LORD HASTINGS.

## Section 15.—Cow, any age.

Premium: \$50.00 and medal.

J. H. Gilfillan, Maquoketa, Iowa.

1251. EULALIE 3d.  
 1259. IOWA DAVY 12th.

J. S. &amp; L. K. Haseltine, Dorchester, Mo.

1247. AURORA.  
 1270. NAN OF ELMHAM 2d.

V. T. Hills, Delaware, Ohio.

1249. CHIC.  
 1250. CHERRY RIPE.

Wm. Miller's Sons, Wayne, Neb.

1245. RUPERTA.  
 1246. WELCOME.

## CLASS XII.—POLLED DURHAMS.

Location—Block D. Barn 4.

## Section 1.—Bull, 3 years old or over.

Premiums:	1st	2d	3d	4th
	\$35.00	\$25.00	\$15.00	\$10.00

J. F. and A. E. Burleigh &amp; Dewey, Mazon, Ill.

1301. RED DUKE.

J. H. Miller, Mexico, Ind.

1302. YOUNG HAMILTON.  
 1303. BILL DUKE.

## Section 3.—Bull, 1 year old and under 2.

Premiums:	1st	2d	3d	4th
	\$35.00	\$25.00	\$15.00	\$10.00

J. F. and A. E. Burleigh &amp; Dewey, Mazon, Ill.

1304. ROYAL.  
 1305. SUPER.

J. H. Miller, Mexico, Ind.  
1306. GROVER.  
1307. RED CLOUD.

Section 4.—Bull, under 1 year.

	1st	2d	3d	4th
Premiums:	\$25.00	\$20.00	\$15.00	\$10.00

J. F. and A. E. Burleigh & Dewey, Mazon, Ill.  
1308. TRIUMPH.  
1309. DUKE OF HEDGE LAWN.  
J. H. Miller, Mexico, Ind.  
1310. GAY HARRY.  
1311. CADO.

Section 5.—Cow, 3 years old or over.

	1st	2d	3d	4th
Premiums:	\$35.00	\$25.00	\$15.00	\$10.00

J. F. and A. E. Burleigh & Dewey, Mazon, Ill.  
1312. PRIDE.  
1313. PATTIE.  
J. H. Miller, Mexico, Ind.  
1314. MARY.  
1315. ABBESS.

Section 6.—Heifer, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$35.00	\$25.00	\$15.00	\$10.00

J. F. and A. E. Burleigh & Dewey, Mazon, Ill.  
1316. BONNIE BRIDE.  
J. H. Miller, Mexico, Ind.  
1317. ANNA CRANE.  
1318. OPHELIA BEAUTY 2d.

Section 7.—Heifer, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$25.00	\$20.00	\$15.00	\$10.00

J. F. and A. E. Burleigh & Dewey, Mazon, Ill.  
1319. PATTIE'S PRIDE.  
1320. PRIDE 2d.  
J. H. Miller, Mexico, Ind.  
1321. CHERRY MAY 2d.  
1322. MODEL.

Section 8.—Heifer, under 1 year.

	1st	2d	3d	4th
Premiums:	\$25.00	\$20.00	\$15.00	\$10.00

J. H. Miller, Mexico, Ind.  
1324. KITTIE WALLS.  
1325. KITTIE MAYO.

J. F. and A. E. Burleigh & Dewey, Mazon, Ill.  
1323. CARNATION.

Section 9.—Herd, consisting of one bull 2 years old or over, one cow 3 years old or over, one heifer 2 years old and under one heifer 1 year old and under 2, or heifer calf under 1 year.

	1st	2d	3d	4th
Premiums:	\$80.00	\$60.00	\$40.00	\$25.00

J. F. and A. E. Burleigh & Dewey, Mazon, Ill.  
1301. RED DUKE.  
1313. PATTIE.  
1316. BONNIE BRIDE.  
1319. PATTIE'S PRIDE.  
FLORA B. 2d.  
J. H. Miller, Mexico, Ind.  
1302. YOUNG HAMILTON.  
1314. MARY.  
1317. ANNA CRANE.  
1322. MODEL.  
1314. KITTIE WALLS.  
J. H. Miller, Mexico, Ind.  
DUKE.  
1315. ABBESS.  
OPHELIA BEAUTY 3d.  
1321. CHERRY MAY 2d.  
1325. KITTIE MAYO.

Section 10.—Young herd, consisting of one bull and four heifers, all under 2 years of age. Bred by exhibitor.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

J. F. and A. E. Burleigh & Dewey, Mazon, Ill.  
1314. ROYAL.  
1319. PATTIE'S PRIDE.  
1320. PRIDE 2d.  
MOSS ROSE 2d.  
FOSSILIE.  
J. H. Miller, Mexico, Ind.  
1310. GAY HARRY.  
1321. CHERRY MAY 2d.  
1322. MODEL.  
1324. KITTIE WALLS.  
1325. KITTIE MAYO.

Section 11.—Four animals of either sex under 4 years of age, get of one sire.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

J. F. and A. E. Burleigh & Dewey, Mazon, Ill.  
1301. RED DUKE.

J. H. Miller, Mexico, Ind.  
OLIVER B.  
CHERRY MAY 2d.  
MODEL.  
KITTIE WALLS.  
KITTIE MAYO.

J. H. Miller, Mexico, Ind.  
OLIVER B.  
1306. GROVER.  
1307. RED CLOUD.  
1309. GAY HARRY.  
1311. CADO.

Section 12.—Two animals of either sex, the produce of one cow.

Premiums:	1st	2d	3d	4th
	\$40.00	\$30.00	\$20.00	\$10.00

J. F. and A. E. Burleigh & Dewey, Mazon, Ill.  
1313. PATTIE.  
1309. PATTIE'S PRIDE.  
SUPER.

J. H. Miller, Mexico, Ind.  
LADY MAY.  
1306. GROVER.  
1311. CADO.

J. H. Miller, Mexico, Ind.  
CHERRY MAY.  
1321. CHERRY MAY 2d.  
1325. KITTIE MAYO.

**SWEEPSTAKES.**

Section 13.—Bull, any age.

Premium: \$50.00 and medal.

J. F. and A. E. Burleigh & Dewey, Mazon, Ill.  
1301. RED DUKE.  
1304. ROYAL.

J. H. Miller, Mexico, Ind.  
1302. YOUNG HAMILTON.  
1310. GAY HARRY.

Section 14.—Cow, any age.

Premium: \$50.00 and medal.

J. H. Miller, Mexico, Ind.  
1314. MAY.  
1315. ABBESS.

**CLASS XIII.—DUTCH BELTED CATTLE.**

Location—Block D. Barn 1.

Section 1.—Bull, 3 years old or over

Premiums:	1st	2d	3d	4th
	\$35.00	\$25.00	\$15.00	\$10.00

H. B. Richards, Easton, Pa.  
1341. BYRNO.

Section 2.—Bull, 2 years old and under 3.

Premiums:	1st	2d	3d	4th
	\$35.00	\$25.00	\$15.00	\$10.00

H. B. Richards, Easton, Pa.  
1342. ALDINO ALDINE.

Section 3.—Bull, 1 year old and under 2.

Premiums:	1st	2d	3d	4th
	\$35.00	\$20.00	\$15.00	\$10.00

H. B. Richards, Easton, Pa.  
1343. HARRY BYRON.

Section 4.—Bull, under 1 year.

Premiums:	1st	2d	3d	4th
	\$25.00	\$20.00	\$15.00	\$10.00

H. B. Richards, Easton, Pa.  
1344. BOB BYRON.  
1345. CHIEF BYRON.

Section 5.—Cow, 4 years old or over.

Premiums:	1st	2d	3d	4th
	\$35.00	\$25.00	\$15.00	\$10.00

H. B. Richards, Easton, Pa.  
1346. LADY BAIRD.  
1347. BESSIE ALDINE.

Section 6.—Cow, 3 years old and under 4.

Premiums:	1st	2d	3d	4th
	\$35.00	\$25.00	\$15.00	\$10.00

H. B. Richards, Easton, Pa.  
1348. ANNIE FERN.  
1349. NETTIE K.

Section 7.—Heifer, 2 years old and under 3.

Premiums:	1st	2d	3d	4th
	\$35.00	\$25.00	\$15.00	\$10.00

H. B. Richards, Easton, Pa.  
1350. DORA HEAGLE.  
1351. EVENSIDE.

Section 8.—Heifer, 1 year old and under 2.

Premiums:	1st	2d	3d	4th
	\$25.00	\$20.00	\$15.00	\$10.00

H. B. Richards, Easton, Pa.  
1352. MAUD ALDINE.  
1353. IVORINE.

## Section 9.—Heifer, under 1 year.

	1st	2d	3d	4th
Premiums:	\$25.00	\$20.00	\$15.00	\$10.00

H. B. Richards, Easton, Pa.  
 1354. NELLIE PALMER.  
 1355. SABINA.

Section 10.—Herd, consisting of one bull 2 years old or over, one cow 4 years old or over, one cow 3 years old and under 4, one heifer 2 years old and under 3, one heifer 1 year old and under 2, one heifer under 1 year.

	1st	2d	3d	4th
Premiums:	\$30.00	\$60.00	\$40.00	\$25.00

H. B. Richards, Easton, Pa.  
 1341. BYRON.  
 1347. BESSIE ALDINE.  
 1348. ANNIE FERN.  
 1350. DORA HEAGLE.  
 1352. MAUD ALDINE.  
 1354. NELLIE PALMER.

Section 11.—Young herd, consisting of one bull and four heifers, all under 2 years. Bred by exhibitor.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

H. B. Richards, Easton, Pa.  
 1342. ALDINO ALDINE.  
 1346. LADY BAIRD.  
 1349. NETTIE K.  
 1351. EVENTIDE.  
 1353. IVORINE.  
 1355. SABINA.

Section 12.—Four animals of either sex, the produce of one cow.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

H. B. Richards, Easton, Pa.  
 1341. BYRON.  
 1344. BOB BYRON.  
 1352. MAUD ALDINE.  
 NINA MAY.  
 1354. NELLIE PALMER.

Section 13.—Two animals of either sex, the produce of one cow.

	1st	2d	3d	4th
Premiums:	\$40.00	\$60.00	\$20.00	\$10.00

H. B. Richards, Easton, Pa.  
 1347. BESSIE ALDINE.  
 1352. MAUD ALDINE.  
 1345. CHIEF BYRON.

## SWEEPSTAKES

## Section 14.—Bull, any age.

Premium: \$50.00 and medal.

H. B. Richards, Easton, Pa.  
 1341. BYRON.

## Section 15.—Cow, any age.

Premium: \$50.00 and medal.

H. B. Richards, Easton, Pa.  
 1347. BESSIE ALDINE.  
 1346. LADY BAIRD.

## CLASS XIV.—BROWN SWISS CATTLE

## Location—Dairy Barn 5.

## Section 1.—Bull, 3 years old or over.

	1st	2d	3d	4th
Premiums:	\$35.00	\$25.00	\$15.00	\$10.00

E. M. Barton, Hinsdale, Ill.  
 1370. MOUNT BLANC.  
 1371. WERNER STAUFFACHER.  
 A. M. Kent, Jamestown, N. Y.  
 1372. DUKE OF KENT 2d.  
 F. A. Squires, Blue Earth, Minn.  
 1373. BONA FIDE.

## Section 2.—Bull, 2 years old and under

	1st	2d	3d	4th
Premiums:	\$35.00	\$25.00	\$15.00	\$10.00

Abe Bourquin, Nokomis.  
 1374. MUGGINS.

## Section 3.—Bull, 1 year old and under

	1st	2d	3d	4th
Premiums:	\$35.00	\$25.00	\$15.00	\$10.00

E. M. Barton, Hinsdale, Ill.  
 1375. GROVER BLANC.  
 1376. RICHARD STAUFFACHER

## Section 4.—Bull, under 1 year.

	1st	2d	3d	4th
Premiums:	\$35.00	\$25.00	\$15.00	\$10.00

E. M. Barton, Hinsdale, Ill.  
 1378. HEINRICH.

Abe Bourquin, Nokomis, Ill.

1377. TEDDY.

F. A. Squires, Blue Earth, Minn.

1379. BEN FRANKLIN.

1380. ABBOTT.

## Section 5.—Cow, 4 years old or over.

Premiums:	1st	2d	3d	4th
	\$35.00	\$25.00	\$15.00	\$10.00

E. M. Barton, Hinsdale, Ill.

1383. NANCY.

1384. NIGHTINGALE.

Abe Bourquin, Nokomis, Ill.

1381. BRIENZ.

1382. CORNELIA.

F. A. Squires, Blue Earth, Minn.

1385. BOADICEA.

1386. SARAH.

## Section 6.—Cow, 3 years old and under 4.

Premiums:	1st	2d	3d	4th
	\$35.00	\$25.00	\$15.00	\$10.00

E. M. Barton, Hinsdale, Ill.

1389. ZOE.

1390. MOLLIE GARFIELD.

Abe Bourquin, Nokomis, Ill.

1397. GERTIE.

1398. CLOE.

F. A. Squires, Blue Earth, Minn.

1391. ELIZA DILLARD.

## Section 7.—Heifer, 2 years old and under 3.

Premiums:	1st	2d	3d	4th
	\$35.00	\$25.00	\$15.00	\$10.00

E. M. Barton, Hinsdale, Ill.

1393. MAY STAUFFACHER.

1394. STIEFNITTERCHER.

Abe Bourquin, Nokomis, Ill.

1392. LELIA B.

F. A. Squires, Blue Earth, Minn.

1395. LYDIA.

1396. LEAH.

## Section 8.—Heifer, 1 year old and under 2.

Premiums:	1st	2d	3d	4th
	\$25.00	\$20.00	\$15.00	\$10.00

E. M. Barton, Hinsdale, Ill.

1399. TESS.

1400. LEAPYEAR BLANC.

Abe Bourquin, Nokomis, Ill.

1397. ERMIA.

1398. ANITA.

F. A. Squires, Blue Earth, Minn.

1401. BIDA REX 2d.

1402. NUTULA.

## Section 9.—Heifer, under 1 year.

Premiums:	1st	2d	3d	4th
	\$25.00	\$20.00	\$15.00	\$10.00

E. M. Barton, Hinsdale, Ill.

1404. NICOLA.

1405. GABRIELLE.

Abe Bourquin, Nokomis, Ill.

1402. ROXY.

1403. EDITH.

F. A. Squires, Blue Earth, Minn.

1406. MELOS.

1407. HENGIS.

Section 10.—Herd, consisting of one bull 2 years old or over, one cow 4 years old or over, one cow 3 years old and under 4, one heifer 2 years old and under 3, one heifer 1 year old and under 2, one heifer under 1 year.

Premiums:	1st	2d	3d	4th
	\$80.00	\$60.00	\$40.00	\$25.00

E. M. Barton, Hinsdale, Ill.

1370. MOUNT BLANC.

STAUFFACHER.

1383. NANCY.

1384. NIGHTINGALE.

1389. ZOE.

1390. MOLLIE GARFIELD.

1393. MAY STAUFFACHER.

1394. STIEFNITTERCHEN.

1399. TESS.

ROSEBUD BLANC.

1404. NICOLA.

1405. GABRIELLE.

Abe Bourquin, Nokomis, Ill.

1374. MUGGINS.

1381. BRIENZ.

1387. GERTIE.

1392. LELIA B.

1397. ERMIA.

1398. EDITH.

F. A. Squires, Blue Earth, Minn.

1373. BONAFIDE.

1386. SARAH.

1391. ELIZA DILLARD.

1395. LYDIA.

1401. BIDA REX 2d.

Section 11.—Young herd, consisting of one bull and four heifers, all under 2 years. Bred by exhibitor.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

E. M. Barton, Hinsdale, Ill.

1376. RICHARD STAUFFACHER.

1399. TESS.

ECHO.

VIRGILIA.

1405. GABRIELLE.

Abe Bourquin, Nokomis, Ill.

1377. TEDDY.

EMMA.

1398. ANITA.

1402. ROXY.

1403. EDITH.

Section 12.—Four animals of either sex, get of one sire.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

E. M. Barton, Hinsdale, Ill.

1371. WARNER STAUFFACHER.

1399. TESS.

1394. STEFFNITZER.

1376. RICHARD STAUFFACHER.

BERNHARD.

E. M. Barton, Hinsdale, Ill.

1370. MOUNT BLANC.

ROSEBUD BLANC.

1400. LEAPYEAR BLANC.

1375. GROVER BLANC.

1404. NICOLA.

Abe Bourquin, Nokomis, Ill.

FREDERIC SCHILLER.

1374. MUGGINS.

1387. GERTIE.

1388. CLOE.

1392. LELIA B.

Section 13.—Two animals of either sex, the produce of one cow.

	1st	2d	3d	4th
Premiums:	\$40.00	\$30.00	\$20.00	\$10.00

E. M. Barton, Hinsdale, Ill.

1384. NIGHTINGALE.

ROSEBUD BLANC.

1404. NICOLA.

E. M. Barton, Hinsdale, Ill.

BIBER.

1390. MOLLIE GARFIELD.

BERNHARD.

Abe Bourquin, Nokomis, Ill.

MARGIE.

1374. MUGGINS.

1387. GERTIE.

Abe Bourquin, Nokomis, Ill.

MARGIE.

1397. ERMIE.

1398. EDITH.

SWEEPSTAKES.

Section 14.—Bull, any age.

Premium: \$50.00 and medal.

E. M. Barton, Hinsdale, Ill.

1371. WERNER STAUFFACHER.

1370. MOUNT BLANC.

Abe Bourquin, Nokomis, Ill.

1374. MUGGINS.

A. M. Kent, Jamestown, N. Y.

1372. DUKE OF KENT 2d

F. A. Squires, Blue Earth, Minn.

1373. BONA FIDE.

Section 15.—Cow, any age.

Premium: \$50.00 and medal.

E. M. Barton, Hinsdale, Ill.

1383. NANCY.

1384. NIGHTINGALE.

Abe Bourquin, Nokomis, Ill.

1381. BRIENZ.

1387. GERTIE.

F. A. Squires, Blue Earth, Minn.

1386. SARAH.

1391. ELIZA DILLARD.

CLASS XIV ½.—PURE BRED ZEBUS.  
(Special.)

Section 1.—Bull, 3 years or over.

Government Stock Farm, Port of Spain  
Trinidad.

JUMBO.

Section 7.—Cow, 2 years and under 3.

Government Stock Farm, Port of Spain  
Trinidad.

COLUMBIA.

Section 13.—Bull, any age.

Government Stock Farm, Port of Spain  
Trinidad.

JUMBO.

Section 14.—Cow, any age.

Government Stock Farm, Port of Spain  
Trinidad.

COLUMBIA.

**CLASS XVII.—GRAND SWEEPSTAKES HERD.**

(Open to all Beef Breeds.)

Section 1.—Herd, consisting of one bull 2 years old or over, one cow 4 years old or over, one heifer 2 years old and under 3, one heifer 1 year old and under 2, one heifer under 1 year.

Premiums: 1st \$500.00 2d \$300.00 3d \$200.00 4th \$100.00

**SHORT-HORNS.**

Green Bros., Indianola, Ill.

20. ROYAL PHILLIS 3d.

77. ROULETTE.

104. SHARONESS OF MAPLE GROVE 3d.

EASTER DAY OF MAPLE GROVE 4th.

159. YOUNG MARY OF MAPLE GROVE 4th.

J. H. Potts, Jacksonville, Ill.

1. THISTLEWOOD.

66. EMMA 11th.

94. SURPRISE OF OAKLAND 3d.

116. SURPRISE OF OAKLAND 4th.

147. FANNY AIRDRIE 35th.

H. F. Brown, Minneapolis, Minn.

9. EARL FAME 8th.

107. IMP. RED EMPRESS.

131. ELVIRA OF BROWDALE 5th.

164. ROSE MARY OF BROWDALE.

T. S. Moberley, Richmond, Ky.

YOUNG ABBOTTSBURN.

68. 3d HUDSON DUCHESS OF FOREST GROVE.

97. GEM OF HICKORY PARK.

118. MARY ABBOTTSBURN 1st.

148. MARY ABBOTTSBURN 5th.

T. S. Moberley, Richmond, Ky.

3. NONPAREIL CHIEF.

67. FOREST BELLE 15th.

FOREST GROVE FANTAIL 6th.

FOREST GROVE PHYLIS 7th.

149. MARY ABBOTTSBURN 7th.

**HEREFORDS.**

George S. Redhead, Des Moines, Iowa.

255. CAPTAIN GROVE.

266. SUNOL.

314. CHERRY DUCHESS.

332. WALLFLOWER.

354. DORA.

Thomas Clark, Beecher, Ill.

256. SANHEDRIM.

268. PLUM.

315. JINGLE.

333. EVERGREEN FAIRY.

356. SUNFLOWER 2d.

E. E. Day, Weeping Water, Neb.

259. CAMEO.

301. HYPATIA.

318. BRIGHTLIGHT.

GERTRUDE.

358. LINDA.

Cosgrove Live Stock Co., Le Sueur, Minn.

261. WILDY 29th.

303. WILTON LE SUEURESS 48d.

321. WILTONIE 33d.

344. WILTONIE 41st.

360. JENNIE C.

**ABERDEEN-ANGUS.**

Robert Craik, Montreal, Can.

411. EMLYN.

FAIRY A. OF EASTVIEW.

441. ERICACEA.

450. PRIDE OF EMLYN.

463. LADY FAIRY.

Goodwin & Judy, Chicago, Ill.

413. BLACK MONK.

434. BONNY MAID.

444. ROSEBUD THETA.

454. ZARA 4th.

466. EMILY 10th.

**GALLOWAYS.**

Brookside Farm Co., Fort Wayne, Ind.

501. KIKIONGA.

520. JULIET OF BROOKSIDE.

538. JULIA 1st OF BROOKSIDE.

BALIG LUCY A. 2d.

556. JULIA 3d OF BROOKSIDE.

Wm. Kough, Owen Sound, Ontario, Can.

503. CLAVERTHOUSE.

531. COUNTESS OF GLENCAIRN 3d.

541. RACHEL 3d.

549. COUNTESS OF GLENCAIRN

5th.

558. MARY 8th.

Wm. Kough, Owen Sound, Ontario, Can.

504. GUY OF CLAVERTHOUSE.

AGNES K. 3d.

540. COUNTESS OF GLENCAIRN K.

4th.

548. MARY 7th.

559. AGNES 5th.

**HOLSTEIN-FRIESIANS.**

A. C. Riley, Walled Lake, Mich.

946. YKEMA MERCEDES.

959. SENORA YKEMA.

965. SENORA YKEMA 2d.

971. SUSIE SNEEKEE.

976. SENORA LADY.

982. SENORA YKEMA 3d.

**RED-POLLS.**

J. S. &amp; L. K. Haseltine, Dorchester, Mo.

1224. JUMBO.  
 1247. AURORA.  
 1256. NELL 3d.  
 1263. MISS BERTHA 4th.  
 1270. NAN OF ELMHAM 2d.  
 1278. NELL 4th.

**POLLED DURHAMS.**

J. H. Miller, Mexico, Ind.

1302. YOUNG HAMILTON.  
 1314. MARY.  
 1317. ANNA CRANE.  
 1322. MODEL.  
 1324. KITTIE WALLS.

Section 2.—Young herd, consisting of one bull and four heifers, all under 2 years. Bred by exhibitor.

	1st	2d	3d	4th
Premiums:	\$300.00	\$200.00	\$100.00	\$50.00

**SHORT-HORNS.**

Green Bros., Indianola, Ill.

35. ROYAL CONSUL 2d.  
 128. LUCILLE 5th.  
 127. EASTER DAY OF MAPLE GROVE 2d.  
 YOUNG MARY OF MAPLE GROVE 3d.  
 SHARONNESS OF MAPLE GROVE 5th.

Abram Renick, Sycamore, Ky.

19. 10th AIRDRIE OF SHARON.  
 75. ROSE OF NIAGARA.  
 AIRDRIE ROSE.  
 125. MINNIE'S 27th DUCHESS OF GENEVA.  
 157. RED ROSE OF SHARON 19th.  
 Abram Renick, Sycamore, Ky.  
 34. ACKLAM SHARON 5th.  
 125. MINNIE'S 27th DUCHESS OF GENEVA.  
 126. POPPY 80th.  
 157. RED ROSE OF SHARON 19th.  
 158. MINNIE'S 28th DUCHESS OF GENEVA.

J. H. Potts, Jacksonville, Ill.

29. LAVENDER KING.  
 116. SURPRISE OF OAKLAND 4th.  
 117. CAROLINE OF OAKLAND 6th.  
 SANSPAREIL OF OAKLAND 6th.  
 EMMA 13th.

H. F. Brown, Minneapolis, Minn.

38. SCOTCHMAN 4th.  
 131. ELVIRA OF BROWNDAL 5th.  
 MYSIE OF BROWNDAL 3d.

132. MYSIE OF BROWNDAL.  
 CONSTANCE OF BROWNDAL 18th.

T. S. Moberley, Richmond, Ky.

30. PHYLLIS ABBOTTSBURN.  
 118. MARY ABBOTTSBURN 1st.  
 FOREST GROVE PHYLLIS 3d.  
 MARY ABBOTTSBURN 2d.  
 119. MARY ABBOTTSBURN 3d.

**HEREFORDS.**

Thomas Clark, Beecher, Ill.

273. LARS.  
 333. EVERGREEN FAIRY.  
 JUVENILE.  
 BEAUTY.  
 BIRDIE.

E. E. Day, Weeping Water, Neb.

276. DUKE OF THE SPRIGS.  
 MYRTLE.  
 GERTRUDE.  
 KATHERINE.  
 LINDA.

Cosgrove Live Stock Co., Le Sueur, Minn.

279. WILDY 60th.  
 WILTONIE 42d.  
 WILTONIE 46th.  
 WILTONIE 41st.  
 WILTONIE 44th.

**ABERDEEN-ANGUS.**

Goodwin &amp; Judy, Chicago.

427. ZAIRE 8th.  
 ZARA 4th.  
 ROSEBUD LAMBDA.  
 466. EMILY 10th.  
 CARRIE LITTLE.

**GALLOWAYS.**

Brookside Farm Co., Fort Wayne, Ind.

512. SIR EDWIN ARNOLD.  
 539. BALIG LUCY A.  
 546. MINNIE B. 4th.  
 547. BROOKSIDE MAID.  
 556. JULIA 3d OF BROOKSIDE.

Wm. Kough, Owen Sound, Ont.

514. OTTAWAY.  
 548. MARY 7th.  
 549. COUNTESS OF GLENCAIRN 5th.  
 558. MARY 8th.  
 559. AGNES K. 5th.

**RED-POLLS.**

J. S. &amp; L. K. Haseltine, Dorchester, Mo.

1232. JUMBO 10th.  
 1270. NAN OF ELMHAM 2d.  
 1271. CHERRY BLOSSOM 3d.  
 JUNO 3d.  
 SUMMER FLOWER 4th.

**POLLED DURHAMS.**

- J. H. Miller, Mexico, Ind.  
 1370. GAY HARRY.  
 1321. CHERRY MAY.  
 1322. MODEL.  
 1324. KITTIE WALLS.  
 1325. KITTIE MAYO.

**CLASS XVIII.—GRAND SWEEPSTAKES HERD.**

(Open to all General Purpose Breeds.)

Section 1.—Herd, consisting of one bull 2 years old or over, one cow 4 years old or over, one cow 3 years old and under 4, one heifer 2 years old and under 3, one heifer 1 year old and under 2, one heifer under 1 year.

1st	2d	3d	4th
Premiums: \$350.00	\$250.00	\$200.00	\$150.00

**SHORT-HORNS.**

- J. G. Robbins & Sons, Horace, Ind.  
 1. SANTA CLAUS.  
 78. MODESTY.  
 129. PEERLESS.  
 162. SUNFLOWER.  
 168. RED BELLE.  
 L. W. Brown & Sons, New Berlin, Ill.  
 16. YOUNG MARSHALL.  
 MARY OF MAPLEWOOD.  
 69. ACOMB OF MAPLEWOOD.  
 98. FANNIE OXFORD 4th.  
 120. MARGUERITE 5th.  
 150. LADY MASON OF BERLIN.  
 T. S. Moberley, Richmond, Ky.  
 3. NONPAREIL CHIEF.  
 67. FOREST BELLE 15th.  
 68. 3d HUDSON DUCHESS OF FOREST GROVE.  
 13th ROSE OF FOREST GROVE.  
 FOREST GROVE PHYLLIS 3d.  
 149. MARY ABBOTTSBURN 7th.

**DEVONS.**

- A. E. Baker, Beaver Dam, Wis.  
 593. GEN. GORDON.  
 SEA BIRD.  
 620. FANCY.  
 628. LITTLE ULRIGA.  
 ROLLEY 2d.  
 D. J. Whitmore & Co., Casstown, Ohio.  
 591. LITTLE BRAT.  
 611. IDA Y.  
 612. LEDA HEBE.  
 620. JENNIE JUNE.  
 626. JESSICA.  
 634. LILLIAN.

John Hudson, Moweaqua, Ill.

594. ROYAL SOMERSET.  
 615. PICTURE 7th.  
 TULIP OF WOODLAND 4th.  
 622. MYRTLE 17th.  
 TULIP OF WOODLAND.  
 HONEYDEW OF WOODLAND.

**JERSEYS.**

Geo. H. Shawhan, Lone Jack, Mo.

700. GOVERNOR HUGO.  
 733. ETHELAVIA.  
 751. MATE OF ELM SPRING.  
 768. BULA SHAWHAN.  
 789. MISSOURI GIRL.  
 806. ETHELAVIA 3d.  
 T. S. Cooper, Coopersburg, Pa.  
 698. PEDRO'S ROYAL POGIS.  
 730. PEDRO'S ROSEBUD.  
 749. PEDRO'S BONNIE RAINBOW.  
 766. PEDRO'S ROYAL PRINCESS.  
 787. PEDRO'S LADY PHYLLIS.  
 804. INFANTA PEDRO MARJORAM.

**HOLSTEIN-FRIESLIANS.**

C. F. Stone, Peabody, Kas.

947. MECHTHELDER'S SIR H. OF M.  
 EMPRESS JOSEPHINE 3d.  
 967. ULA SILVA 3d.  
 972. PRINCESS PEL MECHTHELDER.  
 977. MAY OVERTON MECHTHELDER.  
 984. GOLDLEAF 2d.  
 D. F. Wilbur, Oneonta, N. Y.  
 943. COLANTHA'S 2d SIR HENRY.  
 958. TACOMA.  
 963. IRENE BARNUM.  
 969. HOLLANDER 2d COLANTHA.  
 974. PAULINE PAUL 2d.  
 980. THISTLE MERCEDES JEWELL.

D. F. Wilbur, Oneonta, N. Y.

948. SIR GALATEA COLANTHUS.  
 PIETERTIE 4th.  
 964. MECHTHELDE 4th.  
 970. PRINCESS GALATEA.  
 975. COUNTESS INKA PIETERTIE.  
 981. HERNSTEIN OF MAPLEWOOD

**AYRSHIRES.**

Thomas Irving, Logans Farm, Montreal Can.

1022. GOLDEN BERRY.  
 1059. GIPSEY QUEEN 4th.  
 1075. MINNA OF ROCKFIELD.  
 1087. MABEL OF BURNSIDE.  
 1106. KICKAPOO.

1125. DUCHESS OF FIVE, no. 1125, 1127, 1129

**GUERNSEYS.**

A. J. Cassatt, Berwyn, Pa.

1165. FLIPPANT.  
BERDIA OF BERWYN.  
1185. NELLIE OVID.  
MILLREST.  
1193. MANDINA.  
1199. VIRTUE.

**RED-POLLS.**

V. T. Hills, Delaware, Ohio.

1225. WILD ROY.  
PATIENCE.  
1257. POCAHONTAS.  
1264. ULTIMATE.  
1272. PATTERN.  
1279. GLINT.

T. Hills, Delaware, Ohio.

1226. PANDO.  
1249. CHIC.  
1258. NANNY.  
1265. TINSEL.  
1273. CRYSTAL.  
1280. NANCY.

m. Miller's Sons, Wayne, Neb.

1223. IOWA DAVYSON 10th.  
1245. RUPERTA.  
1253. IOWA DAVY 10th.  
1261. MISS MUFFITT.  
1268. 2d LADY OF BROOKDALE.  
1276. MISS MILTON.

**DUTCH BELTED CATTLE.**

H. B. Richards, Easton, Pa.

1341. BYRON.  
1347. BESSIE ALDINE.  
1348. ANNIE FERN.  
1350. DORA DEAGLE.  
1352. MAUD ALDINE.  
1354. NELLIE PALMER.

**BROWN SWISS CATTLE.**

Abe Bourquin, Nokomis, Ill.

1374. MUGGINS.  
1381. BRIENZ.  
1387. GERTIE.  
1392. LELIA B.  
1397. ERMIA.  
1403. EDITH.

Section 2. A young herd consisting of one bull and four heifers, all under 2 years. Bred by exhibitor.

Premiums: 1st \$200.00 2d \$150.00 3d \$100.00 4th \$50.00

**SHORT-HORNS.**

A. D. De Garmo, Highland Station, Mich.

35. POLLED DUKE.  
160. FANNY 61st.  
161. FANNY 59th.  
DE GARMO'S OXFORD VAN-  
QUISH.  
DE GARMO'S BELLE DUCH-  
ESS.

J. D. Varner, Indianapolis, Ill.

56. RED KNIGHT.  
RED PRINCESS.  
168. CLARIBELLE.  
169. NEW YEAR'S GIFT.  
ISABELLE.

T. C. Moberley, Richmond, Ky.

45. PROUD ABBOTTSFORD.  
5th HUDSON DUCHESS OF  
FOREST GROVE.  
MARY ABBOTTSBURN 4th.  
148. MARY ABBOTTSBURN 5th.  
149. MARY ABBOTTSBURN 7th.

**DEVONS.**

A. E. Baker, Beaver Dam, Wis.

603. THICKSET.  
628. LITTLE ULRICA.  
629. MOLLY.  
ROLLEY 2d.  
637. 2d NUGGET.

A. E. Baker, Beaver Dam, Wis.

601. BUTTERWORTH.  
626. JESSICA.  
627. UNDINE.  
CLEOPATRA.  
JANE EYRE.

John Hudson, Moweaqua, Ill.

604. BEN ELDREDGE.  
631. TULIP OF WOODLAND 7th.  
632. TULIP OF WOODLAND 8th.  
MYRTLE 18th.  
639. HONEYDEW OF WOODLAND

**JERSEYS.**

Geo. H. Shawhan, Lone Jack, Mo.

710. R-ROY.  
789. MISSOURI GIRL.  
790. MARY KNOX.  
MISS GEORGE.  
LORENA SHAWHAN.

T. S. Cooper, Coopersburg, Pa.

789. MARJORAM'S PEDRO.  
 787. PEDRO'S LADY PHYLLIS.  
 788. PEDRO'S PRETTY GIRL.  
 PEDRO'S PRETTY RAINBOW.  
 PEDRO'S FAIR MARJORAM.

**HOLSTEINS.**

- D. F. Wilbur, Oneonta, N. Y.  
 COUNT SOLDENE GLO-  
 THILDE.  
 HELEN CLOTHILDE.  
 BENNETT 2d CLOTHILDE.  
 CRUMHORN LASS.  
 GENESTA ECHO 2d.

**AYRSHIRES.**

Robt. Robertson, Howick, Que.

1039. LORD ROLLO.  
 DAISY OF BURNSIDE.  
 QUEEN OF BURNSIDE.  
 1104. MINNIE OF BURNSIDE.  
 1103. BELLE HAMLIN.

**GUERNSEYS.**

A. J. Cassatt, Berwyn, Pa.

1173. BARD.  
 VERA'S PET.  
 1193. MANDINA.  
 1199. VIRTUE.  
 1194. PETITE OF CHESTER.

**RED POLLS.**

V. T. Hills, Delaware, Okla.

1242. LUCRE.  
 ROSE LOVEEY.  
 1279. GLINT.  
 1280. NANCY.  
 ROXINA.

Wm. Miller's Sons, Wayne, Neb.

1237. LORD HASTINGS.  
 1268. 2d LADY OF BROOKDALE.  
 1269. MAY DAY QUEEN.  
 DUCHESS OF BROOKDALE.  
 COQUETTE OF BROOKDALE.

**DUTCH BELTED CATTLE.**

H. B. Richards, Easton, Pa.

1243. HARRY BYRON.  
 1352. MAUD ALDINE.  
 1353. IVORINE.  
 1354. NELLIE PALMER.  
 NINA MAY.

**BROWN SWISS CATTLE.**

Abe Bourquin, N.omis, Ill.

1377. TEDDY.  
 1397. ERMIA.  
 1398. ANITA.  
 1402. ROXY.  
 1403. EDITH.

# DIVISION B.--HORSES.

## CLASS XXIII.--FRENCH COACHES.

Location--Block A. Barns 4 and 5.

Section 1.--Stallion, 5 years old or over.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.

1545. PERFECTION.

First Prize World's Columbian Exposition.

1546. KERMLA.

Second Prize World's Columbian Exposition

Ed. Miller, Arcona, Ill.

1538. JONGLEUR.

Willard & Fuller, Mapleton, Minn.

1542. INTREPID.

1543. IMPERIAL.

Ira L. Otis, Rochester, N. Y.

1544. DANSEUR.

E. B. Hoge, West Chester, Pa.

1532. ISIGNY (379), 7 years old; s. Calas;

d. Pilote. Bred by M. Bartette of Lully,

Dept. of Calvados, France. Winner first

prize at Philadelphia and New York Horse

shows, 1893. For sale, price \$15,000.

H. C. Farnum, Grosse Ile, Mich.

1537. GENERAL.

Henry Baillet, Tonganoxie, Kas.

1541. JOYAU 568, 6 years old; s. Ulbach;

d. Mignon by Ovide. Bred by Minard of

Beuveron, Dept. of Calvados, France.

Leonard Johnson, Northfield, Minn.

1540. CAPTAIN.

Mathew & Groft, Armandale, Minn.

1536. KEDOLF.

E. A. Globensky, St. Eustace, Can.

1533. KANT.

E. Knott & Co., Waverly, Iowa.

1531. FASHION.

W. B. Otto & Foster, Charlotte, Mich.

1530. FAUST.

National Haras, Montreal, Can.

1534. HOLOPHERNE.

R. Ness, Howick, Can.

1535. MAI TOI.

J. P. McWilliams, Dwight, Ill.

1500. DANDELO.

Section 2: Stallion, 4 years old and under 5.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.

1550. LONIA.

First Prize World's Columbian Exposition

1551. CAGNA.

Second Prize World's Columbian Exposition

T. S. & J. S. De Lancy, Northfield, Minn.

1548. FLOREN.

R. Ness, Howick, Can.

1547. CALVADOS.

Section 3.--Stallion, 3 years old and under 4.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.

1552. LANCIER.

First Prize World's Columbian Exposition.

1553. URBIN.

Second Prize World's Columbian Exposition

Section 4.--Stallion, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.

1557. MONACO.

First Prize World's Columbian Exposition.

1556. NUNUPHAR.

Second Prize World's Columbian Exposition

H. C. Farnum, Grosse Ile, Mich.

1554. KALMIA.

1555. KUBAN.

J. P. McWilliams, Dwight, Ill.

1591. GENERAL.

Section 5.--Stallion, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.

1559. PRINCE COLIBRI.

Second Prize World's Columbian Exposition

1558. PATRICIAN.

Third Prize World's Columbian Exposition

J. P. McWilliams, Dwight, Ill.

1594. MAJOR.

1595. DAN.

Section 6.--Stallion, under 1 year.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$25.00	\$12.50

M. W. Dunham, Wayne, Ill.

1560. PARTISAN.

First Prize World's Columbian Exposition

1561. FROSIERO.

Third Prize World's Columbian Exposition

Section 7.--Stallion and three of his colts of either sex, under 4 years.

	1st	2d	3d	4th
Premiums:	\$250.00	\$150.00	\$75.00	\$37.50

M. W. Dunham, Wayne, Ill.

1545. PERFECT N.

F. F. FANCE.

S. F. F.

S. F. F.

First Prize World's Columbian Exposition

**H. C. Farnum, Grosse Ile, Mich.**

1537. GENERAL.

1554. KALMIA.

1555. KUBAN.

1574. SYLVIA.

**Section 8.—Mare, 5 years old or over.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**M. W. Dunham, Wayne, Ill.**

1568. ECLATANTE.

First Prize World's Columbian Exposition.

1567. LIBERTA.

Second Prize World's Columbian Exposition

Ira L. Otis, Rochester, N. Y.

1565. TIGRESSE.

1566. EMMELINE.

**H. C. Farnum, Grosse Ile, Mich.**

1563. BACCARAT.

Leonard Johnson, Northfield, Minn.

1569. PEARL.

**E. A. Globensky, St. Eustace, Can.**

1562. GABRIELLE.

**Section 9.—Mare, 4 years old and under 5.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**M. W. Dunham, Wayne, Ill.**

1573. MODESTINE.

First Prize World's Columbian Exposition.

1472. TEMPEST.

Second Prize World's Columbian Exposition

Willard &amp; Fuller, Mapleton, Minn.

1570. MERMAID.

1571. LA VALLIERE.

**Section 10.—Mare, 3 years old and under 4.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**M. W. Dunham, Wayne, Ill.**

1575. VERVEINE.

First Prize World's Columbian Exposition.

**H. C. Farnum, Grosse Ile, Mich.**

1574. SYLVIA.

**Section 11.—Mare, 2 years old and under 3.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**M. W. Dunham, Wayne, Ill.**

1589. MIGNONNE.

Third Prize World's Columbian Exposition.

Ira L. Otis, Rochester, N. Y.

Leonard Johnson, Northfield, Minn.

1577. BEAUTY.

1578. DAISY.

J. P. McWilliams, Dwight, Ill.

1592. BEAUTY.

1593. DAISY.

**Section 12.—Mare, 1 year and under 2.**

	1st	2d	3d	4th
Premiums:	\$180.00	\$100.00	\$50.00	\$25.00

**M. W. Dunham, Wayne, Ill.**

1583. SAPPHO.

First Prize World's Columbian Exposition.

1582. ELEGANCE.

Second Prize World's Columbian Exposition

Ira L. Otis, Rochester, N. Y.

1581. LUCILE.

J. P. McWilliams, Dwight, Ill.

ESTELLA.

**Section 13.—Mare, under 1 year.**

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

**M. W. Dunham, Wayne, Ill.**

1587. GABRIELLE.

First Prize World's Columbian Exposition.

1588. MARIANNE.

Second Prize World's Columbian Exposition

**H. C. Farnum, Grosse Ile, Mich.**

1584. MIGNONETTE.

1585. MERCEDES.

**Section 14.—Mare and two of her colts of either sex.**

	1st	2d	3d	4th
Premiums:	\$200.00	\$100.00	\$50.00	Diploma

**M. W. Dunham, Wayne, Ill.**

ECLATANTE.

1588. ELEGANCE.

PERFECT.

First Prize World's Columbian Exposition.

**M. W. Dunham, Wayne, Ill.**

1568. LIBERTY.

1583. IDALE.

1561. PRINCE COLIBRI.

Third Prize World's Columbian Exposition.

**H. C. Farnum, Grosse Ile, Mich.**

1563. BACCARAT.

1554. KALMIA.

1584. MIGNONETTE.

SWEEPSTAKES.

**Section 15.—Stallion, any age.**

Premium: Medal.

**M. W. Dunham, Wayne, Ill.**

1545. PERFECTION.

First Prize World's Columbian Exposition.

1546. RAPID.

Second Prize World's Columbian Exposition

Willard &amp; Fuller, Mapleton, Minn.

1542. INTREPID.

1543. IMPERIAL.

Ira L. Otis, Rochester, N. Y.

1544. DANSEUR.

**H. C. Farnum, Grosse Ile, Mich.**

1537. GENERAL.

1554. KALMIA.

Leonard Johnson, Northfield, Minn.

1540. CAPTAIN.

Ed. Miller, Ancona, Ill.  
 1538. JONGLEUR.  
 National Haras, Montreal, Can.  
 1534. HOLOPHERNE.  
 Matthew & Graft, Appandale, Minn.  
 1536. KEDVIE.  
 T. S. & J. S. De Lancy, Northfield, Minn.  
 1548. LECTURER.  
 E. A. Globensky, St. Eustace, Can.  
 1533. KANT.  
 E. Knott & Co., Waverly, Iowa.  
 1531. FASHION.  
 R. Ness, Howick, Can.  
 1547. CALVADOS.  
 W. B. Otto & Foster, Charlotte, Mich.  
 1539. FAUST.  
 E. B. Hoge, West Chester, Pa.  
 1532. ISIGNY.  
 Henry Balliet, Tonganoxie, Kas.  
 1541. JOYAU.  
 Section 16. Mare, any age.  
 Premium: Medal.

M. W. Dunham, Wayne, Ill.  
 1575. VERVENINE.  
 First Prize World's Columbian Exposition.  
 1567. MODESTINE.  
 Second Prize World's Columbian Exposition  
 Willard & Fuller, Mapleton, Minn.  
 1570. MERMAID.  
 1571. LA VALLIERE.  
 Ira L. Otis, Rochester, N. Y.  
 1566. EMMELINE.  
 1565. TIGRESSE.  
 H. C. Farnum, Grosse Ile, Mich.  
 1563. BACCARAT.  
 1574. SYLVIA.  
 Leonard Johnson, Northfield, Minn.  
 1569. PEARL.  
 1540. CAPTAIN 2d's BELL.  
 E. A. Globensky, St. Eustace, Can.  
 1562. GABRIELLE.  
 J. P. McWilliams, Dwight, Ill.  
 1592. BEAUTY.  
 1593. DAISY.  
 Section 17. Collection, to consist of two  
 stallions and three mares, all to be 4 years  
 old or under, and bred by exhibitor.  
 Premium: Medal.

M. W. Dunham, Wayne, Ill.  
 1559. PRINCE COLIBRI.  
 1560. PARISIAN.  
 1582. ELEGANCE.  
 1583. SAPHO.  
 BARBARINA.  
 First Prize World's Columbian Exposition.  
 M. W. Dunham, Wayne, Ill.  
 PARTHIAN.  
 PERUVIAN.  
 ESMERALDA.  
 ATLANTA.  
 HERVINE.  
 Second Prize World's Columbian Exposition.

H. C. Farnum, Grosse Ile, Mich.  
 1554. KALMIA.  
 1555. KUBAN.  
 1574. SYLVIA.  
 1585. MERCEDES.  
 1584. MIGNONETTE.

#### CLASS XXIV.—GERMAN COACHES.

Location—Blocks A and B. Barns 2 and 5.

Section 1.—Stallion, 5 years old or over.

Premiums: <sup>1st</sup> \$150.00 <sup>2d</sup> \$100.00 <sup>3d</sup> \$50.00 <sup>4th</sup> \$25.00

T. Boekhoff, Watseka, Ill.  
 1618. PHILLIP.  
 Oltmanns Bros., Watseka, Ill.  
 1619. WACHTMEISTER.  
 1621. HERO.  
 Oltmanns Bros. (Agents), Watseka, Ill.  
 1614. EMMO.  
 J. Crouch & Sons, La Fayette, Ind.  
 1620. KARL.  
 1622. ROLAND.  
 A. B. Holbert (Agent), Greeley, Iowa.  
 1661. MOLTKE.  
 First Prize World's Columbian Exposition.  
 Holbert & Lewis, Greeley, Iowa.  
 1612. MUSIKANT.  
 Jacob Heyl, Milwaukee, Wis.  
 1616. NEGFR.  
 1617. VIRGIL.  
 E. Knott & Co., Waverly, Iowa.  
 1615. YOUNG REYENHOLD.  
 Verband of the Holstein Marshes, G.  
 many. (A. H. Holbert, Agt., Greeley,  
 Iowa.)  
 1613. AMANDUS.  
 Fourth Prize World's Columbian Exposition.  
 Koopmann Harmenthausen, Oldenburg.  
 1666. BERNHARD.  
 H. Gerdes, Oldenburg.  
 1667. AGOBARD.  
 Third Prize World's Columbian Exposition.  
 H. Gerdes, Oldenburg.  
 1668. CARDINAL.

Section 2.—Stallion, 4 years old and under 5.

Premiums: <sup>1st</sup> \$150.00 <sup>2d</sup> \$100.00 <sup>3d</sup> \$50.00 <sup>4th</sup> \$25.00

Oltmanns Bros., Watseka, Ill.  
 1627. DORN.  
 Oltmanns Bros. (Agents), Watseka, Ill.  
 1628. MONS.  
 J. Crouch & Sons, La Fayette, Ind.  
 1632. LUDWIG.  
 1633. ROLAND.

Ulfert Poppen, German Valley, Ill.  
1631. YOUNG ALEXANDER.

A. B. Holbert, Greeley, Iowa.  
1635. MIKADO.

Third Prize World's Columbian Exposition.  
1626. FIGARO.

E. Knott & Co., Waverly, Iowa.  
1629. DIOCLETIAN.

1630. ERZFEIND.

Verband of the Holstein Marshes, Germany. (A. H. Holbert, Agt., Greeley, Iowa.)

1623. KAISER FREDERICK.  
Second Prize World's Columbian Exposition

1624. DIPLOMAT.  
H. Gerdes, Oldenburg.

1629. STATTHALTER.  
H. Gerdes, Oldenburg.

1670. HINDRANG.

Section 3.—Stallion, 3 years old and under 4.

Premiums: 1st \$150.00 2d \$100.00 3d \$50.00 4th \$25.00

Oltmanns Bros., Watseka, Ill.  
1633. MANINGA.

Oltmanns Bros. (Agents), Watseka, Ill.  
1642. HABBO.

1639. RYSUM.  
B. Holbert, Greeley, Iowa.

1636. AFFECT.  
1637. VON MOLTKE.

E. Knott & Co., Waverly, Iowa.  
1640. TOTALISATOR.

1641. SPERBER.

Verband of the Holstein Marshes, Germany. (A. H. Holbert, Agt., Greeley, Ia.)

1634. WEISSFUSS.  
Third Prize World's Columbian Exposition.

1635. ANTON.  
C. Bulling, Schlute, Oldenburg.

1673. ROLAND.  
H. Gerdes, Moorsee, Oldenburg.

1674. NACHTFALTER.  
Fourth Prize World's Columbian Exposition

Coopmann, Harmenhausen, Oldenburg.

1675. OPAL.  
H. Gerdes, Oldenburg.

1676. ANDULF.  
H. Gerdes, Oldenburg.

1677. MALUK.  
C. Bulling, Schlute, Oldenburg.

1678. ALTHING.  
Fifth Prize World's Columbian Exposition.

Coopmann, Harmenhausen, Oldenburg.  
1679. EGON.

Section 4.—Stallion, 2 years old and under 4.

Premiums: 1st \$150.00 2d \$100.00 3d \$50.00 4th \$25.00

Oltmanns Bros. (Agents), Watseka, Ill.  
1681. ALAX.

1682. BERTUS.

Verband of the Holstein Marshes, Germany. (A. H. Holbert, Agt., Greeley, Iowa)

1644. BODEL.  
First Prize World's Columbian Exposition.

1643. BLONDEL.  
Third Prize World's Columbian Exposition.

E. Knott & Co., Waverly, Iowa.  
1647. MINISTER.

1648. DANILO.

Section 5.—Stallion, 1 year old and under 2.

Premiums: 1st \$150.00 2d \$100.00 3d \$50.00 4th \$25.00

Ulfert, Poppen, German Valley, Ill.  
1651. FELIX.

1652. FERDINAND.  
E. Knott & Co., Waverly, Iowa.

1649. GOLDSUCKER.  
1650. ROTHBART.

Section 6.—Stallion, under 1 year.

Premiums: 1st \$75.00 2d \$50.00 3d \$30.00 4th \$20.00

Ulfert, Poppen, German Valley, Ill.  
1653. MAGNET.

Section 7.—Stallion and three of his colts of either sex, under 4 years.

Premiums: 1st \$200.00 2d \$100.00 3d \$50.00 4th Diploma

Ulfert, Poppen, German Valley, Ill.  
1631. YOUNG ALEXANDER.

1651. FELIX.  
1652. FERDINAND.

CLARA.  
E. Knott & Co., Waverly, Iowa.

1615. YOUNG REYENHOLD.  
PROMOTEUR.

GROBIAN.  
STEPHANI.

Section 8.—Mare, 5 years old or over.

Premiums: 1st \$150.00 2d \$100.00 3d \$50.00 4th \$25.00

Oltmanns Bros., Watseka, Ill.  
1655. ANNA.

1654. ELSE.  
Ulfert Poppen, German Valley, Ill.

1656. AUGUSTA.  
H. Gerdes, Oldenburg.

1678. FILIALE.  
Fourth Prize World's Columbian Exposition

C. H. Bulling, Schlute, Oldenburg.  
1681. HIRSE.

Third Prize World's Columbian Exposition.  
Wm. Kopke, Elbdeich, Hanover.

1682. NUSS.  
T. Eckhoff, Steinkirchen, Hanover.

1689. MELANIE.

**H. Grube, Butlingen, Hanover.**

1683. SIDONIE.

**C. Cordes, Steinkirchen, Hanover.**

1684. HELDIN.

**First Prize World's Columbian Exposition.****E. Wubber, Spika--Neufeld, Hanover.**

1685. SONNE.

**C. Horwege, Butzfleth, Hanover.**

1686. MAUS.

**H. Dreyer, Bullenhof, Hanover.**

1687. PYTHIA.

**Second Prize World's Columbian Exposition****H. Wessels, Bremen.**

1688. EDELDAME.

**Section 9.—Mare, 4 years old and under 5.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**G. P. Gerdes, Moorsee, Oldenburg.**

1679. PERSIA.

**First Prize World's Columbian Exposition.****H. Gerdes, Oldenburg.**

1680. CROOLIN.

**Second Prize World's Columbian Exposition****Section 10.—Mare, 3 years old and under 4.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**Oltmanns Bros. (Agents), Watseka, Ill.**

1659. HENRIETTE.

**Verband of the Holstein Marshes, Germany.**

(A. H. Holbert, Agt., Greeley, Iowa.)

1658. LILLIE.

**Second Prize World's Columbian Exposition**

1657. DORA.

**Third Prize World's Columbian Exposition.****H. Gerdes, Oldenburg.**

1699. MODENE.

**Fourth Prize World's Columbian Exposition****Section 11. Mare, 2 years old and under 3.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**Oltmanns Bros., Watseka, Ill.**

1660. BELLE OF WATSEKA.

**C. Von Drathen, Greeley, Iowa.**

DORA.

LILLIE.

**J. Crouch & Sons, La Fayette, Ind.**

SIEGERIN.

ELVESE.

**Ulft Poppen, German Valley, Ill.**

1661. FREDERIQUE.

**H. Gerdes, Oldenburg.**

1701. INDORA.

**First Prize World's Columbian Exposition.****H. Gerdes, Oldenburg.**

1700. EDALE.

**Second Prize World's Columbian Exposition****Section 12.—Mare, 1 year old and under 2.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**Oltmanns Bros., Watseka, Ill.**

1662. COLUMBIA.

**Section 13.—Mare, under 1 year.**

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

**Ulft Poppen, German Valley, Ill.**

1663. CLARA.

1664. SARAH.

**Section 14.—Mare and two of her colts, either sex.**

	1st	2d	3d	4th
Premiums:	\$200.00	\$100.00	\$50.00	Diploma

**Oltmanns Bros., Watseka, Ill.**

1655. ANNA.

1660. BELLE OF WATSEKA.

1662. COLUMBIA.

**Ulft Poppen, German Valley, Ill.**

1656. AUGUSTA.

1661. FREDERIQUE.

1663. CLARA.

**SWEEPSTAKES.****Section 15.—Stallion, any age.**

Premium: Medal.

**T. Boekhoff, Watseka, Ill.**

1618. PHILLIP.

**Oltmanns Bros., Watseka, Ill.**

1619. WACHTMEISTER.

1621. HERO.

**Oltmanns Bros. (Agents), Watseka, Ill.**

1614. EMMO.

1628. MONS.

**J. Crouch & Sons, La Fayette, Ill.**

1632. LUDWIG.

1620. KARL.

**Ulft Poppen, German Valley, Ill.**

1631. YOUNG ALEXANDER.

**A. B. Holbert (Agent), Greeley, Iowa.**

1611. MOLTKE.

**First Prize World's Columbian Exposition****Holbert & Lewis, Greeley, Iowa.**

1612. MUSIKANT.

**A. B. Holbert, Greeley, Iowa.**

1636. AFFECT.

1637. VON MOLTKE.

**Jacob Heyl, Milwaukee, Wis.**

1616. NEGER.

1617. VIRGIL.

**E. Knott & Co., Waverly, Iowa.**

1615. YOUNG REYENHOLD.

SUPERBER.

Verband of the Holstein Marshes, Germany.

(A. H. Holbert, Agent, Greeley, Iowa.)

1623. KAISER FREDERICK.

1643. BLONDEL.

H. Gerdes, Oldenburg.

1667. AGOBARD.

1668. CARDINAL.

1669. STATTHALTER.

1670. HINDRANG.

1676. ANDULF.

1677. MALUK.

C. H. Bulling, Schlute, Oldenburg.

1673. ROLAND.

1671. ALTHING.

Third Prize World's Columbian Exposition.

B. Koopman, Harmerhausen, Oldenburg.

1666. BERNHARD.

1675. OPAL.

1672. EGON.

G. P. Gerdes, Moorsee, Oldenburg.

1674. NACHTFALTER.

Section 16. -- Mare, any age.

Premium: Medal.

Ottmanns Bros., Watseka, Ill.

1655. ANNA.

1654. ELSE.

Ottmanns Bros. (Agents), Watseka, Ill.

1659. HENRIETTE.

Ulfert Poppen, German Valley, Ill.

1656. AUGUSTA.

1661. FREDERICK.

Verband of the Holstein Marshes, Germany.

(A. H. Holbert, Agent, Greeley, Iowa.)

1658. LILLIE.

Fifth Prize World's Columbian Exposition.

1665. LERCHE.

Third Prize World's Columbian Exposition.

H. Gerdes, Oldenburg.

1678. FILIALE.

1680. CREOLIN.

1700. EDALE.

Wm. Kopke, Elbdeich, Hanover.

1682. NUSS.

T. Eckhoff, Steinkirchen, Hanover.

1689. MELANIE.

H. Grube, Butlingen, Hanover.

1693. SIDONIE.

C. Cordes, Steinkirchen, Hanover.

1684. HEIDIN.

First Prize World's Columbian Exposition.

E. Wubber, Spika-Neufeld, Hanover.

1685. SONNE.

J. Horwege, Butzfleth, Hanover.

1686. MAUS.

F. Dreyer, Bullenhof, Hanover.

1687. PYTHIA.

Second Prize World's Columbian Exposition.

J. Wessels, Bremen.

1688. EDELDALE.

Section 17. Collection, to consist of two stallions and three mares, all to be 4 years old or under, and bred by exhibitor.

Premium: Medal.

Ulfert Poppen, German Valley, Ill.

1652. FERDINAND.

1651. FELIX.

1661. FREDERICKE.

1663. CLARA.

1664. SARAH.

Verband of the Holstein Marshes, Germany.

(A. H. Holbert, Agent, Greeley, Iowa.)

1643. BLONDEL.

1658. LILLIE.

1665. LERCHE.

1657. DORA.

## CLASS XXV. CLEVELAND BAYS.

Location Blocks B and C. Barn 1.

Section 1. -- Stallion, 5 years old or over.

Premiums: <sup>1st</sup> \$150.00 <sup>2d</sup> \$100.00 <sup>3d</sup> \$50.00 <sup>4th</sup> \$25.00

Samuel J. Acker, Charlotte, Mich.

1729. HOREFALLS MARVEL.

George E. Brown, Aurora, Ill.

1721. ECLAT.

1722. ESCORT.

Peter Arkell, Teeswater, Ont.

1727. WHITEBY.

A. C. McMillan, Erin, Ont.

1728. SHINING LIGHT.

W. Hinckle Smith, Armenia, N. D.

1726. CHESTERFIELD 79.9 years old; s. Wonderful Lad 536; d. by Naylor 1247. Bred by Thos. Walker, Wath, York, England.

Robert M. Sharra, Oswego, N. Y.

1725. SAILOR.

Stericker Bros., Springfield, Ill.

1724. INGMANTHORPE BARON.

1723. HIGHCLIFFE.

Section 2. Stallion, 4 years old and under 5.

Premiums: <sup>1st</sup> \$150.00 <sup>2d</sup> \$100.00 <sup>3d</sup> \$50.00 <sup>4th</sup> \$25.00

George E. Brown, Aurora, Ill.

1730. MARMION.

1731. CONQUEST.

B. F. Dorsey Sons & Co., Perry, Ill.

1734. RILLINGTON KAISER 1100, 4 years old; s. Sportsman 299; d. My Lady 636 by Speculation. Bred by J. Lett, Rillington, York, Eng.

Cleveland Bay Horse Co., Paw Paw, M

1735. KITCHEN'S TOP SAWYER

Thos. Irving, Winchester, Can.

1737. PRINCE ARTHUR.

P. L. Bordine, St. Louis, Mich.

1736. LAUREL CHIEF.

Sutherland & Crowley, Saginaw, Mich.

1738. PRINCE OF WALES.

Stericker Bros., Springfield, Ill.

1732. SIR JAMES.

1733. MAGNET.

Section 3.—Stallion, 3 years old and under 4.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

George E. Brown, Aurora, Ill.

1739. SIR CHRISTOPHER.

B. F. Dorsey Sons & Co, Perry, Ill.

1742. LORD LYTTON 1190, 3 years old; s. Grosmont Wonder 888; d. by Colonel 75. Bred by James Lett, Rillington, York, Eng.

A. B. Holbert, Greeley, Iowa.

1743. ALMONER.

Cleveland Bay Horse Co., Paw Paw, Mich.

1744. PRINCE OLIVER.

1745. PRINCE HUBERT.

Stericker Bros. Springfield, Ill.

1740. PARAGON.

Section 4.—Stallion, two years old and under 3.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

George E. Brown, Aurora, Ill.

1746. HARKAWAY.

J. B. Sharra, Mexico, N. Y.

1748. EARL DOUGLASS.

Cleveland Bay Horse Co., Paw Paw, Mich.

1747. EARL B.

Section 5.—Stallion, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

George E. Brown, Aurora, Ill.

1749. RUBY.

Cleveland Bay Horse Co., Paw Paw, Mich.

1751. SIR JAMES.

Stericker Bros., Springfield, Ill.

1750. PAUL PRY.

Section 7.—Stallion and three of his colts, either sex under 4 years.

	1st	2d	3d	4th
Premiums:	\$200.00	\$100.00	\$50.00	Diploma

George E. Brown, Aurora, Ill.

GLOUCESTER.

SIR CHRISTOPHER.

HARKAWAY.

RUBY.

Stericker Bros., Springfield, Ill.

LORD CHIEF JUSTICE.

1740. PARAGON.

1759. PRIMROSE.

1750. PAUL PRY.

1762. POPPY.

Section 8.—Mare, 5 years old or over.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

George E. Brown, Aurora, Ill.

1752. TRINKET.

Cleveland Bay Horse Co., Paw Paw, Mich.

1754. ADELAIDE.

1755. LILLINGTON.

Stericker Bros., Springfield, Ill.

1753. DEWDROP.

Section 9.—Mare, 4 years old and under 5.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Cleveland Bay Horse Co., Paw Paw, Mich.

1756. QUEEN BEE.

Section 10.—Mare, 3 years old and under 4.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

George E. Brown, Aurora, Ill.

1757. EVALINE.

1758. ESTHER.

Stericker Bros., Springfield, Ill.

1759. PRIMROSE.

Section 11.—Mare, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

George E. Brown, Aurora, Ill.

1760. LORAINÉ.

Section 12.—Mare, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Cleveland Bay Horse Co., Paw Paw, Mich.

1761. JOSEPHINE.

Section 13.—Mare, under 1 year.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

Cleveland Bay Horse Co., Paw Paw, Mich.

1763. LADY B.

Stericker Bros., Springfield.

1762. POPPY.

Section 14.—Mare and two of her colts of either sex.

Premiums: 1st \$200.00 2d \$100.00 3d \$50.00 4th Diploma

George E. Brown, Aurora, Ill.  
1752. TRINKET.  
1739. SIR CHRISTOPHER.  
1746. HARKAWAY.  
Cleveland Bay Horse Co., Paw Paw, Mich.  
1756. QUEEN BEE.  
SIR JAMES.  
1751. LADY B.  
Stericker Bros., Springfield, Ill.  
1755. DEWDROP.  
1759. PRIMROSE.  
1762. POPPY.

#### SWLEPSTAKES.

Section 15.—Stallion, any age.  
Premium: Medal.

George E. Brown, Aurora, Ill.  
1721. ECLAT.  
1739. MARMION.  
Peter Arkell, Teeswater, Ont.  
1727. WHITBY.  
A. C. McMillen, Erin, Ont.  
1728. SHINING LIGHT.  
B. A. Holbert, Greeley, Iowa.  
1743. ALMONER.  
W. Hinckle Smith, Armenia, N. D.  
1726. CHESTERFIELD.  
Cleveland Bay Horse Co., Paw Paw, Mich.  
1744. PRINCE OLIVER.  
1745. PRINCE HUBERT.  
P. L. Bordine, St. Louis, Mich.  
1736. LAUREL CHIEF.  
Robert M. Sharra, Oswego, N. Y.  
1725. SAILOR.  
Sutherland & Crowley, Saginaw, Mich.  
1738. PRINCE OF WALES.  
Stericker Bros., Springfield, Ill.  
1723. HIGHCLIFFE.  
1724. INGMANTHORPE BARON.  
B. F. Dorsey Sons & Co., Perry, Ill.  
1724. RILLINGTON KAISER.  
1742. LORD LYTON.  
S. J. Acker, Charlotte, Mich.  
1729. MARVEL.  
Thomas Irving, Winchester, Can.  
1737. PRINCE ARTHUR.  
J. B. Sharra, Mexico, N. Y.  
1748. EARL DOUGLASS.

Section 16.—Mare, any age.  
Premium: Medal.

George E. Brown, Aurora, Ill.  
1758. ESTHER.  
1757. EVALINE.  
Cleveland Bay Horse Co., Paw Paw, Mich.  
1754. ADELAIDE.  
1755. LILLINGTON.

Stericker Bros., Springfield, Ill.  
1753. DEWDROP.  
1759. PRIMROSE.

#### CLASS XXVI.—PERCHERONS.

Location—Block A. Barns 3 and 4.

Section 1.—Stallion, 5 years old or over.

Premiums: 1st \$150.00 2d \$100.00 3d \$50.00 4th \$25.00

M. W. Dunham, Wayne, Ill.  
1800. FIER A BRAS.  
First Prize World's Columbian Exposition.  
2217. FORFAIT.  
Second Prize World's Columbian Exposition.  
W. B. Otto, Charlotte, Mich.  
1784. CONSTANT.  
H. A. Briggs, Elkhorn, Wis.  
1782. LOUIS.  
1783. FERTOIS.  
H. C. Farnum, Grosse Ile, Mich.  
1784. FENELON.  
Mark M. Coad, Fremont, Neb.  
1794. TURK 6539, 8 years old; s. Confi-  
dent 3647 (397); d. Rosette 8524 by Favori  
1542 (765). Bred by M. Gustave, Louille,  
La-Ferte, Bernard.  
Leonard Johnson, Northfield, Minn.  
1797. GILBERT.  
1798. BELL OISEAN.  
T. L. & J. L. De Lancy, Northfield, Minn.  
1793. SPULLEN.  
J. L. Merritt, Crawford, Mich.  
1792. SIR GILBERT.  
J. P. McWilliams, Dwight, Ill.  
1801. VALSEUR.  
Esra Stetson & Son, Neponset, Ill.  
1795. VICTOR 1141, 19 years old.  
The old white horse of Sec's. Admired by all.  
1796. HERCULES.  
E. Woodman, Paw Paw, Mich.  
1791. HORACE.  
Paul Wattiz, Montreal, Can.  
1785. BONNE CHANCE.  
National Haras of Montreal, Can.  
1786. BOSTON.  
1787. BRILLIANT BLEU.  
Th. Dobbie, Lachute, Can.  
1790. CLODIUS.  
Oliver Benoit, St. Marie De Monoir, Can.  
1789. DELICAT.  
R. R. P. Trappistes, Oka, Can.  
1789. BERTRAND.

Section 2.—Stallion, 4 years old and under 5.

Premiums: 1st \$150.00 2d \$100.00 3d \$50.00 4th \$25.00

**M. W. Dunham, Wayne, Ill.**  
 1805. INTROVABLE.  
 First Prize World's Columbian Exposition.  
**W. B. Otto, Charlotte, Mich.**  
 1802. PRINCE DE CONDE.  
 1803. ROYAL STAR.  
**J. Beaubien, Outremont, Can.**  
 1804. VOLTAIRE.

**Section 3. Stallion, 3 years and under 4.**

Premiums: 1st \$150.00 2d \$100.00 3d \$50.00 4th \$25.00

**M. W. Dunham, Wayne, Ill.**  
 1813. COCARDUS.  
 First Prize World's Columbian Exposition.  
 1812. ARGENTINE.  
 Second Prize World's Columbian Exposition.  
**W. B. Otto, Charlotte, Mich.**  
 1809. JOHN L. SULLIVAN.  
**H. A. Briggs, Elkhorn, Wis.**  
 1807. CONDE.  
 1808. BOISGELIN.  
**Leonard Johnson, Northfield, Minn.**  
 1814. ROYAL PRODUCT.  
**T. L. & J. L. De Lancy, Northfield, Minn.**  
 1811. TITUS.  
**H. C. Waldron, Worden, Mich.**  
 1810. PLUVIOSE.

**Section 4. Stallion, 2 years old and under 3.**

Premiums: 1st \$150.00 2d \$100.00 3d \$50.00 4th \$25.00

**M. W. Dunham, Wayne, Ill.**  
 1825. ADRIEN.  
 First Prize World's Columbian Exposition.  
 1823. ENDORME.  
 Fifth Prize World's Columbian Exposition.  
**W. P. Baldwin, Plainview, Minn.**  
 1830. SAM.  
**E. F. Kleinmeyer, Wilton Junction, Iowa.**  
 1824. PRINCE MODEL 1834, 2 years old, s. Colored Gentleman 4531; d. Rodau by Duke of LaSalle 1799. Bred by exhibitor.  
**H. A. Briggs, Elkhorn, Wis.**  
 1815. LOUIS XI.  
 1816. OTHELLO.  
**Leonard Johnson, Northfield, Minn.**  
 1820. ROBIN.  
 1821. GILBERT, JR.  
**Mark M. Coad, Fremont, Neb.**  
 1818. YOUNG MUIR 1838, 2 years old, s. Pure black 10052; d. Sebecine 1792 by Duke of LaSalle 1799.  
 1819. NINE PLAINDE 1838, 2 years old, s. Pure black 10052; d. A. Sebecine 1792 by Duke of LaSalle 1799.  
**H. C. Waldron, Worden, Mich.**  
 1822. ANTON.

**Section 5. Stallion, 1 year old and under 2.**

Premiums: 1st \$150.00 2d \$100.00 3d \$50.00 4th \$25.00

**M. W. Dunham, Wayne, Ill.**  
 1834. MORERI.  
 First Prize World's Columbian Exposition.  
 1835. BOISSY.  
 Second Prize World's Columbian Exposition.  
**H. A. Briggs, Elkhorn, Wis.**  
 1838. WISCONSIN.  
**Ed. Hodgson, El Paso, Ill.**  
 1825. DUNCAN.  
 1826. MACES.  
**Willard & Fuller, Mapleton, Minn.**  
 1827. DAGOBERT, JR.  
**Mark M. Coad, Fremont, Neb.**  
 1830. MONARCH 16670, 1 year old - Turc 6539 (10052); d. Vaillante 4787 (10052) by Vaillant 404. Bred by exhibitor.  
 1831. PLATO 16671; 1 year old; s. Turc 6539 (10052); d. Appoline 4778 (10052) by Favori 3d (1881). Bred by exhibitor.  
**J. D. McWilliams, Dwight, Ill.**  
 1836. SEDUCTOR.  
 1837. AUBERT.  
**H. C. Waldron, Worden, Mich.**  
 1828. GALATINE.  
 1829. HORTENSE.  
**Leonard Johnson, Northfield, Minn.**  
 1832. ROESTER.  
 1833. BRILLIANT.

**Section 6. Stallion, under 1 year.**

Premiums: 1st \$75.00 2d \$50.00 3d \$25.00 4th \$12.50

**M. W. Dunham, Wayne, Ill.**  
 1842. ALCALDE.  
 First Prize World's Columbian Exposition.  
 1841. BOABDIL.  
 Second Prize World's Columbian Exposition.  
**W. P. Baldwin, Plainview, Minn.**  
 1840. REX.  
**E. F. Kleinmeyer, Wilton Junction, Iowa.**  
 1844. MODEL 1844, 1 year old, s. Colored Gentleman 4531; d. Rodau by Duke of LaSalle 1799.  
**Mark M. Coad, Fremont, Neb.**  
 1843. STARLIGHT.  
 Turc 6539 (10052); d. A. Sebecine 1792 by Favori 3d (1881).

**Section 7. - Stallion and mare of either sex, under 4 years**

Premiums: 1st \$250.00 2d \$150.00 3d \$75.00 4th \$37.50

**M. W. Dunham, Wayne, Ill.**  
 1799. AIGLON.  
 1812. DOLLENTON.

1842. ALCALDE.  
1892. JOY.  
First Prize World's Columbian Exposition.  
W. B. Otto, Charlotte, Mich.  
1784. CONSTANT.  
1803. ROYAL STAR.  
1871. PRIDE OF BENTON.  
1809. JOHN L. SULLIVAN.  
1808. BESSIE.  
1802. PRINCE DE CONDE.  
H. A. Briggs, Elkhorn, Wis.  
1782. LOUIS.  
1815. LOUIS 2d.  
CHERI.  
1838. WISCONSIN.  
1890. ROSA BONHEUR.  
H. C. Farnum, Grosse Ile, Mich.  
1781. FENELON.  
1845. ARBALLETT.  
1886. AMY 2d.  
1867. ERCELLENA.  
Mark M. Coad, Fremont, Neb.  
1794. TURK.  
1818. YOSEMITE.  
1819. NAPERTANDE.  
1831. PLATO.  
1830. MONARCH.  
Leonard Johnson, Northfield, Minn.  
1797. GILBERT.  
1814. ROYAL PRODUCT.  
1820. ROBIN.  
1821. GILBERT, JR.

Section 8. --Mare, 5 years old or over.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.  
1862. BERTHA.  
First Prize, World's Columbian Exposition.  
1863. ETOILE DE PERCHE.  
Third Prize, World's Columbian Exposition.  
W. B. Otto, Charlotte, Mich.  
1849. FLEURETTA.  
1850. EDITH.  
Ed. Hodgson, El Paso, Ill.  
1847. ESTELLE.  
1848. ANEMONE.  
H. C. Farnum, Grosse Ile, Mich.  
1845. ARBALETTE.  
1846. BERLINE.  
Mark M. Coad, Fremont, Neb.  
1859. VAILLANTE 4787 (2453), 10 years  
old; s. Vaillant 404; d. Pelote belonging to  
M. Forgey of Preaux. Bred by M. Forgey  
of Preaux.  
Mark M. Coad, Fremont, Neb.  
1860. APPOLINE 4778 (4003), 10 years  
old; s. Favori 3d (1381); d. Lisette 4002 by  
Moulton 1640. Bred by exhibitor.  
Leonard Johnson, Northfield, Minn.  
1861. JUBINE.

Deaf and Dumb Institution, Mile End,  
Quebec, Can.  
1851. TENTATION.  
1852. FRILEUSE.  
J. Beaubien, Montreal, Can.  
1853. FANCHETTE.  
1854. AGATHE.  
T. L. & J. L. De Lancy, Northfield, Minn.  
1858. CHARMANT.  
Ezra Stetson & Son, Neponset, Ill.  
1856. BALTIMORE BELLE.  
1857. TOPSY 3d.  
E. Woodman, Paw Paw, Mich.  
1855. SUSETTE.  
H. C. Waldron, Worden, Mich.  
1864. GALANTINE.  
1865. HORTENSE.

Section 9. --Mare, 4 years old and under 5.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

W. P. Baldwin, Plainview, Minn.  
1873. TAMBELLE.  
H. C. Farnum, Grosse Ile, Mich.  
1866. AMY.  
1867. EXCELLENCE.  
Leonard Johnson, Northfield, Minn.  
1870. BERTHINE.  
1868. CANTINENE.

Section 10. --Mare, 3 years old and under 4.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.  
1872. FANTINE.  
First Prize World's Columbian Exposition.  
W. B. Otto, Charlotte, Mich.  
1871. PRIDE OF BENTON.

Section 11. Mare, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.  
1888. VIOLA.  
First Prize, World's Columbian Exposition.  
1877. JEANNE D'ARC.  
Second Prize, World's Columbian Exposition.  
Mark M. Coad, Fremont, Neb.  
1875. MAY FLOWER 16563, 2 years old;  
s. Turc 6539 (10052); d. Maud 10407 by  
Xerxes 4517 (148). Bred by exhibitor.  
1876. VANITY FAIR 16568, 2 years old;  
s. Turc 6539 (10052); d. Mirza 4759 (4050)  
by Buckey-Brilliant 1931 (1035). Bred by  
exhibitor.

**N. K. Serol, Newburg, Minn.**  
 1889. LENORE.  
**H. C. Waldron, Worden, Mich.**  
 1874. ADELL.

**Section 12. —Mare, 1 year old and under 2.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**M. W. Dunham, Wayne, Ill.**  
 1892. JOY.  
 First Prize, World's Columbian Exposition.  
 1891. VALTINE.  
 Second Prize, World's Columbian Exposition.  
**E. F. Kleinmeyer, Wilton Junction, Iowa.**  
 1895. PRINCESS OF WILTON 17744,  
 1 year old; s. Colored Gentleman 4613; d.  
 Pride of Perche 8644. Bred by exhibitor.  
**H. A. Briggs, Elkhart, Wis.**  
 1890. ROSA BONHEUR.  
**Mark M. Coad, Fremont, Neb.**  
 1893. HILDA 16677, 1 year old; s. Turc  
 6539, 10052; d. Pelote 4757 (2995) by Brill-  
 iant 1271 (755). Bred by exhibitor.  
 1894. DUCHESS.

**Section 13. —Mare, under 1 year.**

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

**M. W. Dunham, Wayne, Ill.**  
 1899. BALLENTINE.  
 First Prize, World's Columbian Exposition.  
 1900. ELPHIN.  
 Second Prize, World's Columbian Exposition.  
**W. B. Otto, Charlotte, Mich.**  
 1898. BESSIE.  
**H. C. Farnum, Grosse Ile, Mich.**  
 1896. ERCELLENA.  
 1897. AMY 2d.  
**T. L. & J. L. De Lancy, Northfield, Minn.**  
 1903. CHARMANT'S FOAL.  
**H. C. Waldron, Worden, Mich.**  
 1901. FENELINE.  
 1902. PREMIER.

**Section 14. Mare and two of her colts  
 of either sex.**

	1st	2d	3d	4th
Premiums:	\$200.00	\$100.00	\$50.00	Diploma

**M. W. Dunham, Wayne, Ill.**  
 1891. VALLENTINE.  
 1888. VIOLA.  
 VALTINE.  
 First Prize, World's Columbian Exposition.  
**W. B. Otto, Charlotte, Mich.**  
 1849. FLEURETTA.  
 1802. PRINCE DE CONDE.  
 1871. PRIDE OF BENTON.

**W. B. Otto, Charlotte, Mich.**  
 1850. EDITH.  
 1803. ROYAL STAR.  
 1809. JOHN L. SULLIVAN.  
 1808. BESSIE.  
**Mark M. Coad, Fremont, Neb.**  
 1860. APPOLINE.  
 1819. NAPERTANDE.  
 1831. PLATO.  
 1843. STARLIGHT.

**SWEEPSTAKES.**

**Section 15.—Stallion, any age.**

Premium: Medal.

**M. W. Dunham, Wayne, Ill.**  
 1805. INTROVABLE.  
 First Prize, World's Columbian Exposition.  
 1800. FIER A' BRAS.  
**E. F. Kleinmeyer, Wilton Junction, Iowa.**  
 1844. MODEL.  
 1824. PRINCE MODEL.  
**W. B. Otto, Charlotte, Mich.**  
 1784. CONSTANT.  
 1802. PRINCE DE CONDE.  
**H. A. Briggs, Elkhart, Wis.**  
 1783. FERTOIS.  
 1816. OTHELLO.  
**H. C. Farnum, Grosse Ile, Mich.**  
 1781. FENELOW.  
**W. P. Baldwin, Plainview, Minn.**  
 1839. SAM.  
 1840. REX.  
**Ed. Hodgson, El Paso, Ill.**  
 1825. DUNCAN.  
 1826. MACES.  
**Mark M. Coad, Fremont, Neb.**  
 1794. TURK.  
 1818. YOSEMITE.  
**T. L. & J. L. De Lancy, Northfield, Minn.**  
 1793. SPULLEN.  
 1811. TITUS.  
**J. L. Merritt, Crawford, Mich.**  
 1792. SIR GINBERT.  
**J. P. McWilliams, Dwight, Ill.**  
 1801. VALSEUR.  
 1836. SEDUCTOR 2d.  
**Ezra Stetson & Son, Neponset, Ill.**  
 1795. VICTOR.  
 1796. HERCULES.  
**E. Woodman, Paw Paw, Mich.**  
 1791. HORACE.  
**Paul Waite, Montreal, Can.**  
 1785. BONNE CHANCE.  
**The Haras National, Montreal, P. Q.**  
 1786. BOSTON.  
 1787. BRILLIANT BLEU.  
**R. R. & P. P. Trappistes, Oka, P. Q.**  
 1788. BERTRAND.  
**C. Benoit, Marieville, P. Q.**  
 1789. DELICATE.  
**C. H. Doblie, Montreal, P. Q.**  
 1804. VOLTAIRE.

H. C. Waldron, Worden, Mich.

1870. PLUVOISE.

1877. PLUTARQUE.

Leonard Johnson, Northfield, Minn.

1797. GILBERT.

1798. BELVISCAN.

Section 16.—Mare, any age.

Premium: Medal.

M. W. Dunham, Wayne, Ill.

1862. BERTHA.

First Prize World's Columbian Exposition.

1872. FANTINE.

W. P. Baldwin, Plainview, Minn.

1873. TAMBELLA 2d.

E. F. Kleinmeyer, Wilton Junction, Iowa.

1895. PRINCESS OF WILTON.

W. B. Otto, Charlotte, Mich.

1850. EDITH.

1871. PRIDE OF BENTON.

H. A. Briggs, Elkhart, Wis.

1890. ROSA BONHEUR.

H. C. Farnum, Grosse Ile, Mich.

1904. VOLTANETTE.

1905. CHARM.

Deaf and Dumb Institution, Mile End, Que.

1851. TENTATION.

1852. FRILEUSE.

Ed. Hodgson, El Paso, Ill.

1847. ESTELLE.

1848. ANEMONE.

Mark M. Coad, Fremont, Neb.

1859. VAILLANTE.

1860. APPOLINE.

T. L. & J. L. De Lancy, Northfield, Minn.

1858. CHARMONT.

1906. ALTONA.

N. K. Serol, Newburg, Minn.

1889. LENORE.

Ezra Stetson & Son, Neponset, Ill.

1856. BALTIMORE BELLE.

1857. TOPSY 3d.

T. Woodman, Paw Paw, Mich.

1855. SUSETTE.

E. Beaubien, Montreal, P. Q.

1853. FANCHETTE.

1854. AGATH.

H. C. Waldron, Worden, Mich.

1874. ADILL.

1881. FENELINE.

Leonard Johnson, Northfield, Minn.

1868. CANTONA.

1861. JUBINE.

Section 17.—Collection, to consist of two stallions and three mares, all to be 4 years old or under, and bred by exhibitor.

Premium: Medal.

M. W. Dunham, Wayne, Ill.

1842. ALCALDE.

1835. BOISSY.

1899. BALLENTINE.

1900. ELPHIN.

1872. FANTINE.

First Prize World's Columbian Exposition.

M. W. Dunham, Wayne, Ill.

1835. BOISSY.

BEAUVOISE.

1891. VALENTINE.

ETOILE.

MIDENE.

W. B. Otto, Charlotte, Mich.

1802. PRINCE DE CONDE.

1803. ROYAL STAR.

BEAUTY.

1871. PRIDE OF BENTON.

1898. BESSIE.

Mark M. Coad, Fremont, Neb.

1818. YOSEMITE.

1819. NAPERLANDE.

1875. MAY FLOWER.

1876. VANITY FAIR.

1893. HILDA.

## CLASS XXVII.—CLYDESDALES.

Location—Block A. Barn 2.

Section 1. Stallion, 5 years old or over.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Robert Holloway, Alexis, Ill.

1953. MACARA.

Brookside Farm Co., Fort Wayne, Ind.

1956. ERSKINE'S HEIR.

1957. LOWLAND LAD.

L. B. Goodrich, State Centre, Iowa.

1955. MacCLASKIE 6542 (6996), 6 years old; s. MacGreger 1487; d. Kelpie 2034 by Young Lord Lyon 994. Bred by A. & L. Cecil, Orchard Mains.

Wm. Moffatt & Bro., Paw Paw, Ill.

1959. TINWALD CHIEFTAIN.

John McKay, Woodstock, Ontario, Can.

1971. CUSTODIAN 1762 (4948), 11 years old; s. Cecil 1408; d. Chatelaine 1092 by Farmer 288. Bred by A. & L. Cecil, Orchard Mains, Scotland.

Jas. Moffatt, Teeswater, Ont.

1961. CROSBY CHIEFTAIN.

N. P. Clarke, St. Cloud, Minn.

1951. ROSEWOOD (7207) 6776, 6 years old; s. MacFarlane 2988; d. Rosebud (1814) by Time O Day (875). Bred by R. & J. McAllister, Rotheray.

N. P. Clarke, St. Cloud, Minn.

1952. ESQUIRE OF PARK (7699) 6808 5 years old; s. Lord Darnley 3748; d. Lily (7144) by Stanley (3854). Bred by William Currie Auchentiber, Stewarton, Ayrshire, Scotland.

Adams Bros., Drayton, Ont.  
 1972. ST. GATHEN.  
 Coursey Bros. Stewart, Lucan, Ont.  
 1958. JOE ANDERSON.  
 D. & O. Sorby, Guelph, Ont.  
 1964. GRANDEUR.  
 John Duff, Rockwood, Ont.  
 1963. REFORM.  
 James Cherry, Jr., Nobleton, Ont.  
 1962. PRINCE OF LOTHIAN.  
 Robert Davies, Toronto, Ont.  
 1960. ENERGY.  
 Robt. Ness, Howick, Que., Can.  
 1968. LAWRENCE AGAIN.  
 G. B. Stewart, Howick, Can.  
 1966. LORD ROLLO.  
 National Haras, Montreal, Can.  
 1967. BARLOCCO.  
 Toussaint Dupuis, St. Isidore, Can.  
 1965. JUMBO B.  
 Homer Laberge, St. Louis, Can.  
 1870. LAIRD OF BALFARG.  
 Samuel McGerrigle, Ormstown, Can.  
 1969. MAC INNIS.  
 R. B. Ogilvie, Madison, Wis.  
 1954. MACQUEEN, 3513; s. MacGregor (1487); d. Bet of Bellamack (5506) by Lothian Tam (1211).

**Section 2.--Stallion, 4 years old and under 5.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Robt. Ness, Howick, Que.  
 1991. LIFEGUARD.  
 Robert Holloway, Alexis, Ill.  
 1975. PRINCE OF QUALITY.  
 1976. PRINCE CHARMING.  
 N. P. Clarke, St. Cloud, Minn.  
 1973. PRINCE PATRICK (8933) 6773, 4 years old; s. Prince of Wales (673); d. Eila (7741) by McCannon (3818). Bred by F. H. Ralston, Calmore, Strausac.  
 Robert & John A. Turner, Calgary, N. W. T., Can.  
 1978. BALBRIGGAN HERO.  
 Moffatt & Bro., Paw Paw, Ill.  
 1979. GOLDEN ACRE.  
 N. P. Clarke, St. Cloud, Minn.  
 1974. MACTOPPER (8830) 6759, 4 years old; s. MacGregor (1487); d. Lily (1456) by Duke of Gordon (2071). Bred by John Houston Overlaw, Kirkcudbright.  
 Herman Von Biedenfeld, Granville, Ill.  
 1992. LYNEDOCK CHIEF.  
 Parker Bros., Wyoming, Ill.  
 1990. HANDSOME PRINCE.  
 R. B. Ogilvie, Madison, Wis.  
 1977. KING MACGREGOR.

**Section 3.- Stallion, 3 years old and under 4.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Robert Holloway, Alexis, Ill.  
 1995. MAGNET.  
 1996. STARTLE.  
 Brookside Farm Co., Fort Wayne, Ind.  
 2000. CULHORN LAD.  
 N. P. Clarke, St. Cloud, Minn.  
 1993. BROUGHAM (9147), 6749, 3 years old; s. Sirdar (4714); d. Jean of Kilnory 4574 by Surprise 845. Bred by Chas. Duncan, Little Kilmory, Rothesay.  
 L. B. Goodrich, State Centre, Iowa.  
 1997. MACNAUGHT 7174, 3 years old; s. MacClaskle 6542 (6996); d. Scottish Lass 7046 by Marlboro. Bred by Geo. Davidson, Sherwood, Ont.  
 Moffatt & Bro., Paw Paw, Ill.  
 2001. LEAD THE WAY.  
 N. P. Clarke, St. Cloud, Minn.  
 1994. ROSS MCGREGOR 6193, 3 years old; s. MacGregor (1487); d. Jess (1236) by Prince of Kelnir (656). Bred by James Finlay, Ross Farm, Kirkcudbright.  
 John Davidson, Ashburn, Ont.  
 1997. WESTFIELD STAMP (9467), 3 years old; s. Cairnbrogie Stamp (4274); d. Luck (11146) by Johnny (414). Bred by James Watt, Westfield, Elgin, Scotland.  
 S. C. Johnston, Manilla, Ont.  
 1999. BALGOWNIE.  
 R. B. Dundas, Springville, Ont.  
 2002. MCLAWS.  
 Wm. Innes, Bradford, Ont.  
 2003. SYMMETRY.  
 A. Bell, Trout River, Ont.  
 2004. SIR WALTER SCOTT.

**Section 4.- Stallion, 2 years old and under 3.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Robt. Holloway, Alexis, Ill.  
 2007. PRINCE ATTRACTIVE.  
 2008. PRINCE DESERVING.  
 N. P. Clarke, St. Cloud, Minn.  
 2005. FOURTH CHOICE (vol. 15) 6752, 2 years old; s. Height O'Splendor (6836); d. Jean (vol. 14, p. 223) by St. Mungo. Bred by Robert Stewart, Balliachrach, Rothesay.  
 A. G. Soderburg, Osco, Ill.  
 2016. SCOTTISH CHIEF.  
 L. B. Goodrich, State Centre, Iowa.  
 2011. MACCLASKLE 6820, 2 years old; s. MacClaskle 6542 (6996); d. Queen O'Scots (10281) 6801 by Marlboro 2969. Bred by C. F. Walker, State Centre, Iowa.

Alex. Cameron, Ashburn, Ont.  
 2015. ROYAL STAMP (195), 2 years old;  
 s. Mac. Tannahill 1205 (4745); d. Mary's  
 Pe (16431) by Cairnbrogie 4274.

Moffatt & Bro., Paw Paw Ill.

2012. BAND MASTER.

N. P. Clarke, St. Cloud, Minn.

2006. THE GOVERNOR 6061, 2 years  
 old; s. Senator 4531; d. Lily MacGregor  
 457 by MacGregor (1487). Bred by exhibitor.

Wm. Philp, Yelverton, Ont.

2017. SIR BURREN DALE.

R. B. Dundas, Springfield, Ont.

2014. LOWLAND STAMP.

R. B. Ogilvie, Madison, Wis.

2010. GOWRIE'S CHIEF 6880; s. Mac-  
 Queen 3513; d. Bessie Wilson 2069 by  
 Victor (3280).

R. B. Ogilvie, Madison, Wis.

2009. YOUNG LORD MARMION 7439;  
 s. Marmion 5560; d. Lady Glenfruin 7437 by  
 Glenfruin.

#### Section 5. — Stallion, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Robt. Holloway, Alexis, Ill.

2020. PRINCE MATCHLESS.

2021. PRINCE STURDY.

Brookside Farm Co., Fort Wayne, Ind.

2026. ERSKINE'S HERO.

N. P. Clarke, St. Cloud, Minn.

2018. MACCANS (vol. 16) (7548), 1 year  
 old; s. MacGregor, 1487; d. Nell (vol. 16)  
 by Prince Lawrence (vol. 7, p. 261). Bred  
 by John Houston Hill of Balmaghie, Castle  
 Douglas, Scotland, Oct. 8.

Wm. Philp, Yelverton, Ont.

2031. ONTARIO LAD.

Moffatt & Bro., Paw Paw, Ill.

2027. GARNETT CROSS.

L. B. Goodrich, State Centre, Iowa.

2024. MACRADNOR, 6927, 1 year old;  
 s. MacClaskie 6542 (6996); d. Scottish Maid  
 6113 by Scotland's Isle. Bred by exhibitor.

L. B. Goodrich, State Centre, Iowa.

2025. RADNOR BROWN 6928, 1 year  
 old; s. MacClaskie 6542; d. Royal Princess  
 603 by Royal Bloom.

James Snell, Clinton, Ont.

2030. HULLETT'S PRIDE.

F. P. Clarke, St. Cloud, Minn.

2019. INGRAM'S HEIR 6950, 1 year old;  
 s. Lord Ingram 4522; d. Sonnie 5287 by  
 Lord O'Thrieve. Bred by exhibitor.

John Bell, Amber, Ont.

2029. LORD EARDLEY.

R. B. Ogilvie, Madison, Wis.

2022. GOWRIE'S HERO.

R. B. Ogilvie, Madison, Wis.

2023. GOWRIE'S CHIEFTAIN 6882; s.  
 MacQueen 3513; d. Lively Lass 1768 by  
 Kenmuir Prince (1459).

#### Section 6. — Stallion, under 1 year.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

Brookside Farm Co., Fort Wayne, Ind.

2038. CHIEF BUCHANAN.

L. B. Goodrich, State Centre, Iowa.

2036. MACCRASKIE, under 1 year old;  
 s. MacClaskie 6542; d. Queen O' Scots 10281  
 by Marlboro.

Jas. I. Davidson & Son, Balsam, Ont.

2037. BOYDSTON LAD.

Robert Holloway, Alexis, Ill.

2032. PRINCE DAMLEY.

2033. LORD CHARMING.

A. Bell, Trout River, Que.

2039. GAY LAD.

R. B. Ogilvie, Madison, Wis.

2034. GOWRIE'S PRIDE; s. MacQueen  
 3513; d. Belle of the Lyons 3511 by Lord  
 Lyon (489).

R. B. Ogilvie, Madison, Wis.

2038. GOWRIE'S BEST; s. MacQueen  
 3513; d. Bessie Wilson 2069 by Victor (3280).

#### Section 7. — Stallion and three of his colts of either sex, under 4 years.

	1st	2d	3d	4th
Premiums:	\$200.00	\$100.00	\$50.00	Diploma

L. B. Goodrich, State Centre, Iowa.

1955. MACCLASKIE.

1997. MACNAUGHT.

2036. MACCLASKIE.

2099. BERTHELLEN.

Robt. Holloway, Alexis, Ill.

CEDRIC.

1995. MAGNET.

2007. PRINCE ATTRACTIVE.

2079. LOVELY LASS.

Brookside Farm Co., Fort Wayne, Ind.

1956. ERSKINE'S HEIR.

2026. ERSKINE'S HERO.

2038. CHIEF BUCHANAN.

2086. BESSIE BELLE.

N. P. Clarke, St. Cloud, Minn.

LOTHIAN KING 6757 (6985),  
 7 years old; s. Young Duke of Hamilton  
 4122; d. Louisa 5841 by Darnby (222). Bred  
 by the late John of Inch Botgate, West  
 Lothians.

LOTHIAN EARL (6811), 2 years  
 old; s. Lothian King (6985); d. May Bell  
 (6545) by Garnell Cross (1662). Bred by An-  
 drew Montgomery, Castle Douglas, Scotland.

2066. LOTHIAN QUEEN (6182), 3 years old; s. Lothian King 6985; d. Doll of Kirkland 6071 by Prince Albert (616). Bred by James Craig, Castle Douglas, Scotland.

2078. LIZZIE MACGREGOR 6778, 2 years old; s. Lothian King 6985; d. Bet 7418 by Lochlibo 1768. Bred by James Craig, Castle Douglas, Scotland.

N. P. Clarke, St. Cloud, Minn.

SECOND CHOICE 5556, 5 years old; s. Charlitar 3945; d. Jean (vol. 14) by St. Mung by Prince of Wales (673). Bred by Mrs. Mary Stewart, Rotheray.

PRINCE CHOICE 6957, 1 year old; s. Second Choice 5566; d. Princess Lawrence 5802 by Prince Lawrence. Bred by exhibitor.

ETHEL MACGREGOR 6948, 1 year old; s. Second Choice 5566; d. Dora MacGregor 3951 by MacGregor (1487). Bred by exhibitor.

MAY MACGREGOR 6954, 1 year old; s. Second Choice 5566; d. Judy 3956 by MacGregor 1487. Bred by exhibitor.

R. B. Ogilvie, Madison, Wis.

1954. MACQUEEN 3518; s. MacGregor (1487); d. Bet of Bellamack (5506) by Lothian Tam (1211).

2081. LASS O'GOWRIE 4th.

2082. LASS O'GOWRIE 5th.

2010. GOWRIE CHIEF.

#### Section 8. Mare, 5 years old or over.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

L. B. Goodrich, State Centre, Iowa.

2046. LIZZIE FINDLAY, 5 years old; s. Golden Gate 4414; d. Brackenbrae Jesse 4606 by Strathendrick. Bred by Wm. Findlay of Brackenbrae, Bishopbriggs.

Robt. Holloway, Alexis, Ill.

2042. ST. CUTHBERT'S MAGGIE.

2043. MINUET.

Brookside Farm Co., Fort Wayne, Ind.

2048. E. R. S.

N. P. Clarke, St. Cloud, Minn.

2040. DORA MACGREGOR 3951, 7 years old; s. MacGregor 1487; d. Dora 499 by Gleneffer (361). Bred by R. D. Barrie, Cunningham of Duchrar.

L. B. Goodrich, State Centre, Iowa.

2112. QUEEN O'SCOTS 6801 (10281), 10 years old; s. Marlboro 2996; d. Derling of Kinghill 2502. Bred by D. Smellie of Sunnyside, Lanarkshire.

Jos. Snell, Clinton, Ont.

2053. GIPSEY QUEEN.

A. B. Scott & Son, Vanwick, Ont.

2052. KATE 2d OF CONGEITH.

Moffatt & Bro., Paw Paw, Ill.

2049. VICTORIA M.

N. P. Clarke, St. Cloud, Minn.

2041. LILY OF MANSORAE (381) 6755, 7 years old; s. Culberrman Chief (2710) d. Lily 6320 by Sanquhar 2393. Bred by James Kerr Barrhill, Kilbernie, Ayrshire.

James I. Davidson & Son, Balsam, Ont.

2047. BOYDSTON LASS 2388, 10 years old; s. Roydston Boy (111); d. Bell (519) b. Prince of Renfrew (664). Breeder, Wm. M. Miller, Claremont, Ont.

Robert Davies, Toronto, Ont.

2050. LADY DUNMORE.

2051. PRIDE OF DRUMMUIR.

A. G. Soderberg, Osco, Ill.

2055. SONIE.

A. Bell, Trout River, Ont.

2056. NETTIE OF KELSO.

R. B. Ogilvie, Madison, Wis.

2044. LIZZIE 5545; s. His Royal Highness (2163); d. Meg of West Carse (489) by Young Prince (1006).

R. B. Ogilvie, Madison, Wis.

2045. DOLLY PEEBLES; s. Pet Peebles (2322); d. Dolly Dutton (779) b. Lord Lyon (489).

#### Section 9. —Mare, 4 years old and under

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Robt. Holloway, Alexis, Ill.

2059. MYRTLE.

Brookside Farm Co., Fort Wayne, Ind.

2062. NANCY BELL.

2063. LADY BEST.

N. P. Clarke, St. Cloud, Minn.

2058. MARJORY MACGREGOR 6700, 4 years old; s. MacGregor (1487); d. Rose (10859) by Tom (877). Bred by Wm. M. Marshall, Lochfergus, Kilcudbright.

Scott & Son, Vanwick, Ont.

2064. JEAN ARMOUR.

N. P. Clarke, St. Cloud, Minn.

2057. CROSBY ROSE 6167, 4 years old; s. Sirdar 1714; d. Jewell (8136) by Challenger (1088). Bred by R. B. Brockbank, Cnby, Mayport.

R. B. Ogilvie, Madison, Wis.

2060. LASS O'GOWRIE 3d 5544; MacQueen 3518; d. Queen of Lyon (489) by Security 1380.

R. B. Ogilvie, Madison, Wis.

2066. LASS O'GOWRIE 5543; s. MacQueen 3513; d. Farewell 1830 by Knight Athole (2916).

#### Section 10.—Mare, 3 years old and under 4.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Robt. Holloway, Alexis, Ill.

2067. MARIORY.

Brookside Farm Co., Fort Wayne, Ind.

2068. ROSIE OF BROOKSIDE 1st.

2069. MAGGIE OF BROOKSIDE.

A. G. Soderburg, Osco, Ill.

2074. LADY BYRON.

N. P. Clarke, St. Cloud, Minn.

2065. MISS STANLEY 5877, 3 years old;

s. Stanley Prince 3971; d. MacGregor 3957

by MacGregor 1487. Bred by exhibitor.

2066. LOTHIAN QUEEN 6182, 3 years

old; s. Lothian King 6985; d. Doll (6071) by

Prince Albert (616). Bred by James Craig,

Castle Douglas, Scotland.

R. G. Ratcliffe, Anderson, Ont.

2072. BELL WALLACE.

D. & O. Sorby, Guelph, Ont.

2076. VENUS.

2075. SUNBEAM OF CULTS.

Robert Davies, Toronto, Can.

2071. CANDOUR.

Robert Davies, Toronto, Can.

2070. YOUNG LILY.

Section 11. - Mare, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Robert Holloway, Alexis, Ill.

2079. LOVELY LASS.

2080. CROSBY GEM.

Brookside Farm Co., Fort Wayne, Ind.

2086. BESSIE BELL.

2087. ROSIE 2d OF BROOKSIDE.

L. B. Goodrich, State Centre, Iowa.

2083. LADY McJESS, 2 years old; s.

MacClaskie 6542 (6996); d. Black Jess 10487

by Strathendrick 5957. Bred by L. V.

Chamberlain, State Centre, Iowa.

Jos. Snell, Clinton, Ont.

2091. LIZZIE LARIMORE.

N. P. Clarke, St. Cloud, Minn.

2077. PRINCESS LETITIA (6772), 2

years old; s. Plantagenet 6142; d. Anita 7359

by Darnley (222). Bred by James F. Mur-

doch, East Hallside, Newton.

2078. LIZZIE MACGREGOR 6788, 2

years old; s. Lothian King 6985; d. Bet 7418

by Lochlibo 1468. Bred by Jas. Craig, Castle

Douglas, Scotland.

Robert Davies, Toronto, Can.

2088. PRIDE OF THORNCIFFE.

2089. LADY THORNCIFFE.

James I. Davidson & Son, Balsam, Ont.

2084. BOYDSTON LASS 4th 6884, 2

years old; s. Lewie Gordon 7918; d. Boyd-

ston Lass 2388 by Boydston Boy (111). Bred

by James I. Davidson & Son, Balsam, Ont.

2085. KATE HILL 2d.

A. B. Scott & Son, Vanwick, Ont.

2090. MOONLIGHT.

R. B. Ogilvie, Madison, Wis.

2081. LASS O'GOWRIE 4th 6885; s.

MacQueen 3513; d. Lesly Rose 3500 by

Darnley (222).

R. B. Ogilvie, Madison, Wis.

2082. LASS O'GOWRIE 5th 6886; s.

MacQueen 3513; d. Camelia of North Oaks

3512 by Morning Star (1769).

Section 12. - Mare, 1 year and under 2.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

L. B. Goodrich, State Centre, Iowa.

2098. AMBROSE 6924, 1 year old; s. Mac-

Clennan (6048) 4809; d. Lizzie Findlay 4805

by Golden Gate 4414. Bred by J. C. Huston,

Blandensville, Ill.

Robert Holloway, Alexis, Ill.

2094. FICKLE FORTUNE'S PRIN-

CESS.

2095. CHERRY MACARA.

Moffatt & Bro., Paw Paw, Ill.

2101. LADY DARNLEY 3d.

2102. DARLING 12th.

L. B. Goodrich, State Centre, Iowa.

2099. BERTHELLEN 6925, under 1 year

old; s. MacClaskie 6542 (6996); d. Victoria

6923 by Poet 6922. Bred by exhibitor.

N. P. Clarke, St. Cloud, Minn.

2092. MAC'S PRINCESS 7551, 1 year

old; s. MacGregor 1487; d. Jess 1236 by

Prince of Keloin. Bred by Jas. Finlay, Kir-

cudbright.

2093. MARGARET MACGREGOR

6955, 1 year; s. Senator 5531; d. Lillie Mac-

Gregor 3957 by MacGregor 1487. Bred by

exhibitor.

Robt. Davies, Toronto, Ont.

2103. ROSE OF THORNCIFFE.

Jas. I. Davidson & Son, Balsam, Ont.

2100. BOYDSTON LASS 5th.

John Mills, Ormstown, Can.

2104. ROSELEAF.

R. B. Ogilvie, Madison, Wis.

2091. LASS O'GOWRIE 7th 6888; s.

MacQueen 3513; d. Leslie Rose 3500 by

Darnley (222).

R. B. Ogilvie, Madison, Wis.

2097. QUEEN O'GOWRIE 6891; s. Mac-

Queen 3513; d. Lizzie 5545 by His Royal

Highness (2165).

Section 13. - Mare, under 1 year.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

Robert Holloway, Alexis, Ill.

2105. PRINCESS MINNIE.

2106. BEATRICE REGNANT.

2066. **LOTHIAN QUEEN** (6182), 3 years old; s. Lothian King 6985; d. Doll of Kirkland 6071 by Prince Albert (616). Bred by James Craig, Castle Douglas, Scotland.

2078. **LIZZIE MACGREGOR** 6778, 2 years old; s. Lothian King 6985; d. Bet 7418 by Lochlibo 1768. Bred by James Craig, Castle Douglas, Scotland.

**N. P. Clarke, St. Cloud, Minn.**  
**SECOND CHOICE** 5556, 5 years old; s. Charlton 3945; d. Jean (vol. 14) by St. Mung by Prince of Wales (673). Bred by Mrs. Mary Stewart, Rotheray.

**PRINCE CHOICE** 6957, 1 year old; s. Second Choice 5566; d. Princess Lawrence 5802 by Prince Lawrence. Bred by exhibitor.

**ETHEL MACGREGOR** 6948, 1 year old; s. Second Choice 5566; d. Dora MacGregor 3951 by MacGregor (1487). Bred by exhibitor.

**MAY MACGREGOR** 6954, 1 year old; s. Second Choice 5566; d. Judy 3956 by MacGregor 1487. Bred by exhibitor.

**R. B. Ogilvie, Madison, Wis.**

1954. **MACQUEEN** 3513; s. MacGregor (1487); d. Bet of Bellamack (5506) by Lothian Tam (1211).

2081. **LASS O'GOWRIE** 4th.

2082. **LASS O'GOWRIE** 5th.

2010. **GOWRIE CHIEF.**

### Section 8. Mare, 5 years old or over.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**L. B. Goodrich, State Centre, Iowa.**

2046. **LIZZIE FINDLAY**, 5 years old; s. Golden Gate 4414; d. Brackenbrae Jesse 4606 by Strathendrick. Bred by Wm. Findlay of Brackenbrae, Bishopbriggs.

**Robt. Holloway, Alexis, Ill.**

2042. **ST. CUTHBERT'S MAGGIE.**

2043. **MINUET.**

**Brookside Farm Co., Fort Wayne, Ind.**

2048. **E. R. S.**

**N. P. Clarke, St. Cloud, Minn.**

2040. **DORA MACGREGOR** 3951, 7 years old; s. MacGregor 1487; d. Dora 499 by Glenaffer 6961. Bred by R. D. Barrie, Cunningham of Ducharr.

**L. B. Goodrich, State Centre, Iowa.**

2112. **QUEEN O'SCOTS** 6801 (10281), 10 years old; s. Marlboro 2996; d. Derling of Kinghill 2502. Bred by D. Smellie of Sunnyside, Lanarkshire.

**Jos. Snell, Clinton, Ont.**

2053. **GIPSEY QUEEN.**

**A. B. Scott & Son, Vanwick, Ont.**

2052. **KATE** 2d OF CONGEITH.

**Moffatt & Bro., Paw Paw, Ill.**

2049. **VICTORIA M.**

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Mill  
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A. G  
205  
A. F  
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R. E  
202  
ness  
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R. B.  
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2060. LA

MacQueen b

by Security

R. B. Ogilvi

2066. LAS

Queen 3513; c

Athole (2916).

Section 10.  
der 4.

Premiums: 8

- D. & O. Sorby, Guelph, Ont.  
 2075. SUNBEAM OF COLTS.  
 2076. VENUS.  
 Thos. Andrews, Cambridge, Neb.  
 2054. BRUNETTE.  
 2013. BELLE OF YORK.  
 John Mills, Ormstown, Can.  
 2104. ROSELEAF.  
 L. B. Goodrich, State Centre, Iowa.  
 2046. LIZZIE FINDLAY.  
 2099. BERTHELLEN.  
 Robt. Holloway, Alexis, Ill.  
 2042. ST. CUTHBERT'S MAGGIE.  
 2043. MINUET.  
 Brookside Farm Co., Fort Wayne, Ind.  
 2048. E. R. S.  
 2068. ROSE OF BROOKSIDE 1st.  
 A. G. Soderburg, Osco, Ill.  
 2074. LADY BYRON.  
 James Snell, Clinton, Ont.  
 2053. GIPSEY QUEEN.  
 2091. LIZZIE LARIMORE.  
 A. B. Scott & Son, Vanwick, Ont.  
 2052. KATE 2d OF CONGEITH.  
 2064. JEAN ARMOUR.  
 Wm. Moffatt & Bro., Paw Paw, Ill.  
 2049. VICTORIA M.  
 2101. LADY DARNLEY 3d.  
 G. Ratcliffe, Anderson, Ont.  
 2072. BELLE WALLACE.  
 B. Ogilvie, Madison, Wis.  
 2061. LASS O'GOWRIE 5543; s. Mac-  
 teen 3513; d. Farewell 1330 by Knight of  
 rofe (2916).  
 B. Ogilvie, Madison, Wis.  
 2060. LASS O'GOWRIE 5544; s. Mac-  
 teen 3513; d. Queen of Lyon 3514 by  
 arity 1330.

ction 17. Collection, to consist of two  
 sons and three mares, all to be 4 years  
 r under. Bred by exhibitor.

tum: Medal.

Goodrich, State Centre, Iowa.

MAC CLASKIE.  
 MAC NAUGHT.  
 LIZZIE FINDLAY.  
 BERTHELLEN.  
 AMBROSE.

Holloway, Alexis, Ill.  
 PRINCE OF QUALITY.  
 PRINCE ATTRACTIVE.  
 MYRTLE.  
 LOVELY LASS.  
 MARJORY.

De Farm Co., Fort Wayne, Ind.  
 CULHORN LAD.  
 ERSKINE'S HERO.  
 NANCY BELL.  
 LADY BEST.  
 ROSE OF BROOKSIDE 1st.

**Brookside Farm Co., Fort Wayne, Ind.**

2110. NANCY BELLE 1st.  
**L. B. Goodrich, State Centre, Iowa.**  
 2108. FIDELIAS, under 1 year old; s. MacClaskie 6542 (6996); d. Scottish Maid 6818 by Shetland Isle. Bred by exhibitor.  
**L. B. Goodrich, State Centre, Iowa.**  
 2109. LILLY RADNOR, under 1 year; s. MacClaskie 6542 (6996); d. Royal Princess 6802 by Royal Bloom. Bred by exhibitor.  
**A. B. Scott & Son, Vanwick, Ont.**  
 2111. HEATHERBLOOM.  
**R. B. Ogilvie, Madison, Wis.**  
 2113. LASS O' GOWRIE 10th; s. MacQueen 3513; d. Lizzie 5545 by His Royal Highness (2165).  
**R. B. Ogilvie, Madison, Wis.**  
 2114. GLENFRUIN MAID; s. Marmion 5560; d. Lady Glenfruin 7437 by Glenfruin.

**Section 14. Mare and two of her colts of either sex.**

	1st	2d	3d	4th
Premiums:	\$200.00	\$100.00	\$50.00	Diploma

- L. B. Goodrich, State Centre, Iowa.**  
 2112. QUEEN OF SCOTS.  
 2011. MACCLASKIE.  
 2036. MACCRASKIE.  
**Robt. Holloway, Alexis, Ill.**  
 MINNIE TARBREOCH.  
 2043. MINUET.  
 PRINCE RESOLUTE.  
**Robert Holloway, Alexis, Ill.**  
 CHERRY RIPE.  
 1976. PRINCE CHARMING.  
 PRINCESS CHERRY.  
**James Snell, Clinton, Ont.**  
 2053. GIPSEY QUEEN.  
 2091. LIZZIE LARIMORE.  
 2030. HULLETT'S PRIDE.  
**A. B. Scott & Son, Vanwick, Ont.**  
 2052. KATE 2d OF CONGEITH.  
 MOONSHINE.  
 2111. HEATHERBLOOM.  
**Wm. Moffatt & Bro., Paw Paw, Ill.**  
 2102. DARLING 12th.  
 COLT.  
 COLT.  
**A. Bell, Trout River, Ont.**  
 2056. NETTIE OF KELSO.  
 2004. SIR WALTER SCOTT.  
 2039. GAY LAD.  
**Jas. I. Davidson, Balsam, Ont.**  
 2047. BOYDSTON LASS.  
 2084. BOYDSTON LASS 4th.  
 2100. BOYDSTON LASS 5th.  
**Robt. Davies, Toronto, Ont.**  
 2051. PRIDE OF DUNMORE.  
 2088. PRIDE OF THORNCLIFFE.  
 2103. ROSE OF THORNCLIFFE.

**N. P. Clarke, St. Cloud, Minn.**

- LILLY MACGREGOR 9957;  
 McGregor 1487; d. Blacket Lassie 424  
 Auctioneer 16. Bred by David Hard  
 Priestburg, Howick.  
 2065. MISS STANLEY. (See pedigree  
 elsewhere.)  
 2066. THE GOVERNOR. (See pedigree  
 elsewhere.)  
**R. B. Ogilvie, Madison, Wis.**  
 2044. LIZZIE 5545; s. His Royal Highness (2165); d. Meg of West Carse (4804)  
 Young Prince (1006).  
 2097. QUEEN O'GOWRIE.  
 QUEEN O'GOWRIE.  
**R. B. Ogilvie, Madison, Wis.**  
 LADY GLENFRUIN 7437;  
 Glenfruin; d. Emily May 7435.  
 2009. YOUNG LORD MARMION.  
 MYRA.

## SWEEPSTAKES.

**Section 15. Stallion, any age.**

Premium: Medal.

**N. P. Clarke, St. Cloud, Minn.**

- THREE ENTRIES.  
**L. B. Goodrich, State Centre, Iowa.**  
 1955. MACCLASKIE.  
 2036. MACCRASKIE.  
**Robt. Holloway, Alexis, Ill.**  
 1975. PRINCE OF QUALITY.  
 2007. PRINCE ATTRACTIVE.  
**J. Crouch & Son, La Fayette, Ind.**  
 MAJOR.  
**Brookside Farm Co., Fort Wayne, Ind.**  
 1956. ERSKINE'S HEIR.  
 2026. ERSKINE'S HERO.  
**A. G. Soderburg, Osco, Ill.**  
 2016. SCOTTISH CHIEF.  
**Robert & John Turner, Calgary, N. W.**  
 1978. BALBRIGGAN HERO.  
**Wm. Philp, Yelverton, Ont.**  
 2017. SIR BURNIE DALE.  
 2031. ONTARIO LAD.  
**James Snell, Clinton, Ont.**  
 2030. HULLETT'S PRIDE.  
**James Moffatt, Teeswater, Ont.**  
 1961. CROSBY CHIEFTAIN.  
**Wm. Moffatt & Bro., Paw Paw, Ill.**  
 2012. BAND MASTER.  
 2027. GARNETT CROSS.  
**Parker Bros., Wyoming, Ill.**  
 1990. HANDSOME PRINCE.  
**Herman Von Biedenfeld, Granville, Ill.**  
 1992. LYNEDOC CHIEF.  
**McGerrigle Bros., Ormstown, Can.**  
 1969. MCINNES.  
**James I. Davidson, Balsam, Ont.**  
 2037. BOYDSTON LAD.

A. Bell, Trout River, Ont.  
 2004. SIR WALTER SCOTT.  
 2039. GAYLORD.  
 Coursey Bros. & Stewart, Lucan, Ont.  
 1958. JOE ANDERSON.  
 Jas. Cherry, Jr., Nobleton, Ont.  
 1962. PRINCE LOTHEAN.  
 John Duff, Rockwood, Ont.  
 1963. REFORM.  
 D. & O. Sorby, Guelph, Ont.  
 1964. GRANDEUR.  
 Tessissant Dupuis, St. Isidore, Can.  
 1965. JUMBO B.  
 G. B. Stewart, Howick, Ont.  
 1966. LORD ROLLO.  
 National Haras, Montreal, Can.  
 1967. BARLOCCO.  
 Homer Laberge, St. Louis, Can.  
 1970. LAIRD OF Balfarg.  
 John McKay, Woodstock, Ont.  
 1971. CUSTODIAN.  
 Alex. Cameron, Ashburn, Ont.  
 2015. ROYAL STAMP.  
 John Bell, Amber, Ont.  
 2029. LORD EARDLEY.  
 Adams Bros., Drayton, Ont.  
 1972. ST. GATIEA.  
 Robt. Ness, Howick, Ont.  
 1968. LAWRENCE AGAIN.  
 1991. SAFEGUARD.  
 John Davidson, Ashburn, Ont.  
 1998. WESTFIELD STAMP.  
 S. C. Johnson, Manilla, Ont.  
 1999. BALGOWNIE.  
 Wm. Innes, Bradford, Ont.  
 2003. SYMMETRY.  
 R. B. Dundas, Springville, Ont.  
 2002. MC LAWS.  
 2014. LOWLAND STAMP.  
 R. B. Ogilvie, Madison, Wis.  
 1954. MACQUEEN 3513; d. MacGregor  
 (185); d. Bet of Bellamack (5506) by  
 Lethian Tam (1211).  
 R. B. Ogilvie, Madison, Wis.  
 2010. GOWRIE'S CHIEF 6880; s. Mac-  
 Queen 3513; d. Bessie Wilson (2069) by  
 Victor (3290).

#### Section 16. Mare, any age.

Premium: Medal.

N. P. Clarke, St. Cloud, Minn.  
 THREE ENTRIES.  
 Jas. I. Davidson, Balsam, Ont.  
 2047. BOYDSTON LASS.  
 2084. BOYDSTON LASS 5th.  
 Robt. Davies, Toronto, Ont.  
 2050. LADY-DENMORE.  
 2088. PRIDE OF THORNCLIFFE.  
 A. Bell, Trout River, Ont.  
 2050. PRIDE OF KELSO.

D. & O. Sorby, Guelph, Ont.  
 2075. SUNBEAM OF COLTS.  
 2076. VENUS.  
 Thos. Andrews, Cambridge, Neb.  
 2054. BRUNETTE.  
 2013. BELLE OF YORK.  
 John Mills, Ormstown, Can.  
 2104. ROSELEAF.  
 L. B. Goodrich, State Centre, Iowa.  
 2046. LIZZIE FINDLAY.  
 2099. BERTHELLEN.  
 Robt. Holloway, Alexis, Ill.  
 2042. ST. CUTHBERT'S MAGGIE.  
 2043. MINUET.  
 Brookside Farm Co., Fort Wayne, Ind.  
 2048. E. R. S.  
 2068. ROSIE OF BROOKSIDE 1st.  
 A. G. Soderberg, Osco, Ill.  
 2074. LADY BYRON.  
 James Snell, Clinton, Ont.  
 2053. GIPSEY QUEEN.  
 2091. LIZZIE LARIMORE.  
 A. B. Scott & Son, Vanwick, Ont.  
 2052. KATE 2d of CONGEITH.  
 2064. JEAN ARMOUR.  
 Wm. Moffatt & Bro., Paw Paw, Ill.  
 2049. VICTORIA M.  
 2101. LADY DARNLEY 3d.  
 R. G. Ratcliffe, Anderson, Ont.  
 2072. BELLE WALLACE.  
 R. B. Ogilvie, Madison, Wis.  
 2061. LASS O'GOWRIE 5543; s. Mac-  
 Queen 3513; d. Farewell 1330 by Knight of  
 Athole (2916).  
 R. B. Ogilvie, Madison, Wis.  
 2060. LASS O'GOWRIE 5d 544; s. Mac-  
 Queen 3513; d. Queen of Lyon 3514 by  
 Security 1380.

Section 17. Collection, to consist of two stallions and three mares, all to be 4 years old or under. Bred by exhibitor.

Premium: Medal.

L. B. Goodrich, State Centre, Iowa.  
 1955. MAC CLASKLE.  
 1997. MAC NAUGHT.  
 2046. LIZZIE FINDLAY.  
 2099. BERTHELLEN.  
 2098. AMBROSE.  
 Robert Holloway, Alexis, Ill.  
 1975. PRINCE OF QUALITY.  
 2007. PRINCE ATTRACTIVE.  
 2059. MYRTLE.  
 2079. LOVELY LASS.  
 2067. MARJORY.  
 Brookside Farm Co., Fort Wayne, Ind.  
 2000. CULHORN LAD.  
 2026. ERSKINE'S HERO.  
 2062. NANCY BELL.  
 2063. LADY BEST.  
 2068. ROSIE OF BROOKSIDE 1st.

**R. B. Ogilvie, Madison, Wis.**

2009. YOUNG LORD MARMION.

2010. GOWRIE'S CHIEF.

2060. LASS O'GOWRIE 3d.

2066. LASS O'GOWRIE.

2081. LASS O'GOWRIE 4th.

**N. P. Clarke, St. Cloud, Minn.**

2006. THE GOVERNOR 0061, 2 years old; s. The Senator 4531; d. Lily McGregor 3957. Bred by N. P. Clarke, St. Cloud, Minn.

2019. INGRAM'S HEIR 0050, 1 year old; s. Lord Ingram 4522; d. Dorsie 5287. Bred by N. P. Clarke, St. Cloud, Minn.

2065. MISS STANLEY 5877, 3 years old; s. Stanley Prince 3971; d. Lily McGregor 3957. Bred by N. P. Clarke, St. Cloud, Minn.

2093. MARGARET MACGREGOR 6955, 1 year old; s. Senator 4531; d. Lillie, MacGregor 3957. Bred by N. P. Clarke, St. Cloud, Minn.

ETHEL MACGREGOR 6948, 1 year old; s. Second Choice 5566; d. Dora MacGregor. Bred by N. P. Clarke, St. Cloud, Minn.

**CLASS XXVIII.—SHIRES.****Location—Block B. Barns 3 and 5.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**Section 1.—Stallion, 5 years old or over.****Geo. E. Brown, Aurora, Ill.**

2153. HOLLAND MAJOR.

2154. MOULTON MARQUIS.

**Burgess Bros., Wenona, Ill.**

2155. KNOWLE LIGHT OF THE WEST.

2156. BAR ME.

**Chas. G. Monroe, Rushville, Ill.**

2151. KOKOMO.

**John Carr, Trout River, Can.**

2152. WAR, BOY'S FASHION.

**Section 2.—Stallion, 4 years and under 5.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**Geo. E. Brown, Aurora, Ill.**

2159. MAJOR'S SORT.

**Burgess Bros., Wenona, Ill.**

2160. WENONA ALBERT.

**B. F. Dorsey Sons & Co., Perry, Ill.**

2151. JUTURNA 11687, 4 years and under 5; s. Garnet 2787; d. Julianne (vols. 5, 8 and 9) by Cromwell 2415. Bred by James Jackson, Lancashire, England.

**Edmund Stanfield & Sons, Hillsdale, Mich.**

2158. KNOWLE PRINCE.

**Section 3.—Stallion, 3 years and under 4.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**Geo. E. Brown, Aurora, Ill.**

2162. MAJOR CLARK.

2163. MAJOR LINCOLN.

**Burgess Bros., Wenona, Ill.**

2164. WENONA NONPAREIL.

**A. B. Holbert, Greeley, Iowa.**

2161. ECHO CHIEF.

**Section 4.—Stallion, 2 years and under 3.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**Geo. E. Brown, Aurora, Ill.**

2165. MAJOR WINTHROP.

2166. SIR WILLIAM.

**Burgess Bros., Wenona, Ill.**

2167. WENONA HERCULES.

2168. WENONA HAROLD.

**Section 5.—Stallion, 1 year and under 2.**

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

**Geo. E. Brown, Aurora, Ill.**

2169. MAJOR MURRAY.

2170. CLANSMAN.

**Burgess Bros., Wenona, Ill.**

2171. WENONA COLUMBIA.

2172. WENONA CARDINAL.

**Section 6.—Stallion, under 1 year.**

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

**Burgess Bros., Wenona, Ill.**

2173. WENONA ROMEO.

2174. WENONA GIANT.

**Section 7.—Stallion and three of his colts of either sex, under 4 years.**

	1st	2d	3d	4th
Premiums:	\$200.00	\$100.00	\$50.00	Diploma

**Burgess Bros., Wenona, Ill.**

NAILSTONE HELPMATE.

2167. WENONA HERCULES.

2168. WENONA HAROLD.

2187. WENONA PRIMROSE.

**Burgess Bros., Wenona, Ill.**

2160. WENONA ALBERT.

2172. WENONA CARDINAL.

2188. WENONA EMPRESS.

2190. WENONA BRUNETTE.

Geo. E. Brown, Aurora, Ill.  
2153. HOLLAND MAJOR.  
MAJOR CLARKE.  
MAJOR WINTHROP.  
MAJOR MURRAY.

Section 8.—Mare, 5 years or over.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Geo. E. Brown, Aurora, Ill.  
2177. AXTEL.  
A. W. Hopkins, Peru, Ill.  
2176. LANNOCK DAISY II.  
Burgess Bros., Wenona, Ill.  
2176. WENONA MAID.  
2179. ENGLISH TRUST.  
A. G. Soderburg, Osco, Ill.  
2175. SONSIE.

Section 9.—Mare, 4 years and under 5.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Burgess Bros., Wenona, Ill.  
2180. WENONA PEACH.  
2181. WENONA GREY.

Section 10.—Mare, 3 years and under 4.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Geo. E. Brown, Aurora, Ill.  
2183. SONORA.  
Burgess Bros., Wenona, Ill.  
2184. WENONA CHANCE.  
2185. WENONA FANCY.  
Edmond Stanfield & Sons, Hillsdale, Mich.  
2182. BRITANNIA.

Section 11.—Mare, 2 years and under 3.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

George E. Brown, Aurora, Ill.  
2186. OSCEOLA.  
Burgess Bros., Wenona, Ill.  
2187. WENONA PRIMROSE.  
2188. WENONA EMPRESS.

Section 12.—Mare, 1 year and under 2.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

George E. Brown, Aurora, Ill.  
2189. BONNIE BELLE.

Burgess Bros., Wenona, Ill.  
2190. WENONA BRUNETTE.  
2191. WENONA STAR.

Section 13.—Mare, under 1 year.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

Burgess Bros., Wenona, Ill.  
2193. WENONA PRUNE.  
Edmond Stanfield & Sons, Hillsdale, Mich.  
2192. MATCHLESS.

Section 14.—Mare and two of her colts of either sex.

	1st	2d	3d	4th
Premiums:	\$200.00	\$100.00	\$50.00	Diploma

Geo. E. Brown, Aurora, Ill.  
2177. AXTEL.  
2159. MAJOR'S SORT.  
2169. MAJOR MURRAY.  
Burgess Bros., Wenona, Ill.  
LADY DOOK.  
2178. WENONA MAID.  
2187. WENONA PRIMROSE.  
Burgess Bros., Wenona, Ill.  
2178. WENONA MAID.  
2160. WENONA ALBERT.  
2167. WENONA HERCULES.

SWEETSTAKES.

Section 15. Stallion, any age.

Premium: Medal.

Geo. E. Brown, Aurora, Ill.  
2153. HOLLAND MAJOR.  
2154. MOULTON MARQUIS.  
Burgess Bros., Wenona, Ill.  
2155. KNOWLE LIGHT OF THE WEST.  
2156. BAR ME.  
Chas. G. Monroe, Rushville, Ill.  
2151. KOKOMO.  
John Carr, Trout River, Can.  
2152. WARBOY'S FASHION.  
A. B. Holbert, Greeley, Iowa.  
2161. ECHO CHIEF.  
Edmond Stanfield & Sons, Hillsdale, Mich.  
2158. KNOWLE PRINCE.  
B. F. Dorsey Sons & Co., Perry, Ill.  
2157. JUTURNA.

Section 16.—Mare, any age.

Premium: Medal.

Geo. E. Brown, Aurora, Ill.  
2177. AXTEL.

Burgess Bros., Wenona, Ill.  
 2178. WENONA MAID.  
 2179. ENGLISH TRUST.  
 A. G. Soderburg, Osco, Ill.  
 2175. SONNIE.  
 Edmond Stanfield & Sons, Hillsdale, Mich.  
 2182. BRITANNIA.  
 A. W. Hopkins, Peru, Ill.  
 2176. LANNOCCH DAISY II.

Section 17.—Collection, to consist of two stallions and three mares, all to be 4 years old or under, and bred by exhibitor.

Premium: Medal.

Burgess Bros., Wenona, Ill.  
 2160. WENONA ALBERT.  
 2167. WENONA HERCULES.  
 2180. WENONA PEACH.  
 2181. WENONA GREY.  
 2184. WENONA CHANCE.

## CLASS XXIX. FRENCH DRAFTS.

Location—Block B. Barn 4.

Section 1. Stallion, 5 years old or over.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.  
 2216. SAINTONGE.  
 First Prize, World's Columbian Exposition.  
 Ed. Hodgson, El Paso, Ill.  
 2211. BELAIR.  
 E. Miller, Ancona, Ill.  
 2212. MONTFORT.  
 E. T. Kleinmeyer, Wilton Junction, Iowa.  
 2213. COLORED GENTLEMAN 1168;  
 s. Brilliant 755; d. Pride of Saithe 1812 by  
 Favori 765. Bred by Wm. Bordere, Sarthe,  
 France.  
 E. T. Kleinmeyer, Wilton Junction, Iowa.  
 2214. IOWA KING 8646, 6 years old; s.  
 Colored Gentleman 1168; d. Marie 2140 by  
 Bayard 2111. Bred by exhibitor.  
 V. C. Gidellon, Compton, Ont.  
 2215. CAPTAINE.

Section 2. Stallion, 4 years and under 5.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.  
 2220. MILTON.  
 First Prize, World's Columbian Exposition.  
 Ed. Hodgson, El Paso, Ill.  
 2218. CONDE.

E. Miller, Ancona, Ill.  
 2219. BIJOU.

Section 3.—Stallion, 3 years and under 4

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.  
 2222. NEGRO.

First Prize, World's Columbian Exposition.  
 Ed. Hodgson, El Paso, Ill.  
 2221. HILAIRE.

Section 4. Stallion, 2 years and under 3

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.  
 2226. BRITO.

First Prize, World's Columbian Exposition.  
 Ed. Hodgson, El Paso, Ill.  
 2224. EARLVILLE.  
 2225. MOYEMONT.

Section 5. Stallion, 1 year and under 2

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.

2234. ALCALA.  
 First Prize, World's Columbian Exposition.  
 Ed. Hodgson, El Paso, Ill.  
 2229. ARION.  
 2228. FONTAIN.

E. Miller, Ancona, Ill.

2231. DANDY MONTFORT.  
 2230. LOUIS NAPOLEON.

E. F. Kleinmeyer, Wilton Junction, Iowa.  
 2233. PERCHE DUKE 8747, 1 year old;  
 s. Colored Gentleman 1168; d. Marie 2140  
 by Bayard 2111. Bred by exhibitor.

E. F. Kleinmeyer, Wilton Junction, Iowa.  
 2232. WILTON KING 8646, 1 year old;  
 s. Colored Gentleman 1168; d. Julius 2118  
 Bred by exhibitor.

Section 6. Stallion, under 1 year.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$25.00

M. W. Dunham, Wayne, Ill.  
 2235. LEONIDAS.

First Prize, World's Columbian Exposition.

Section 7.—Stallion and three of his colts of either sex, under 4 years.

	1st	2d	3d	4th
Premiums:	\$200.00	\$100.00	\$50.00	Diploma

M. W. Dunham, Wayne, Ill.

LA FERTE.

2235. LEONIDAS.

SATINE.

CHIMERE.

First Prize World's Columbian Exposition.

Ed. Hodgson, El Paso, Ill.

2211. BELAIR.

2228. FONTAIN.

2225. MOYEMONT.

2256. COLUMBIA.

E. Miller, Ancona, Ill.

2230. LOUIS NAPOLEON.

2231. DANDY MONTFORT.

2251. MARGARET.

2257. DOLLY.

E. F. Kleinmeyer, Wilton Junction, Iowa.

2213. COLORED GENTLEMAN.

2252. PRIDE OF PLEASANT HILL.

2253. QUEEN OF PLEASANT HILL.

PRINCESS OF MILTON.

Section 8.—Mare, 5 years old or over.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.

2240. SEMELE.

First Prize, World's Columbian Exposition.

2241. ELDORADO.

Fifth Prize, World's Columbian Exposition.

Ed. Hodgson, El Paso, Ill.

2236. SUZANNE.

2237. LORETTE.

E. Miller, Ancona, Ill.

2238. VIOLA.

E. F. Kleinmeyer, Wilton Junction, Iowa.

2239. MARIE.

Section 9.—Mare, 4 years and under 5.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Ed. Hodgson, El Paso, Ill.

2242. SYLVA.

2243. OLIVETTE.

Section 10.—Mare, 3 years and under 4.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

Wm. Frey, El Paso, Ill.

2245. RHODA G.

Ed. Hodgson, El Paso, Ill.

2244. LORAIN.

LC

Section 11.—Mare, 2 years and under 3.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.

2248. HAZEL.

First Prize, World's Columbian Exposition.

2247. VIRGINIA.

Second Prize, World's Columbian Exposition.

Ed. Hodgson, El Paso, Ill.

2246. HELENA.

Section 12.—Mare, 1 year and under 2.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	\$25.00

M. W. Dunham, Wayne, Ill.

2255. BERTINE.

Third Prize World's Columbian Exposition.

2259. LETONNE.

Fourth Prize World's Columbian Exposition

Ed. Hodgson, El Paso, Ill.

2249. NUN.

2250. BETSY.

E. Miller, Ancona, Ill.

2251. MARGARET.

E. F. Kleinmeyer, Wilton Junction, Iowa.

2252. PRIDE OF PLEASANT HILL

8651, 1 year old; s. Colored Gentleman 1168;

d. Etelva 8645 by Shiri 2558. Bred by exhibitor.

E. F. Kleinmeyer, Wilton Junction, Iowa.

2253. QUEEN OF PLEASANT HILL

8646, 1 year old; s. Colored Gentleman 1168;

d. Bella 5636 by Rival.

Section 13.—Mare, under 1 year.

	1st	2d	3d	4th
Premiums:	\$75.00	\$50.00	\$30.00	\$20.00

M. W. Dunham, Wayne, Ill.

2258. CHIMERE.

First Prize World's Columbian Exposition.

Ed. Hodgson, El Paso, Ill.

2256. COLUMBIA.

E. Miller, Ancona, Ill.

2257. DOLLY.

Section 14.—Mare and two of her colts of either sex.

	1st	2d	3d	4th
Premiums:	\$200.00	\$100.00	\$50.00	Diploma

M. W. Dunham, Wayne, Ill.

2241. ELDORADO.

2235. LEONIDAS.

ELDORA.

Third Prize World's Columbian Exposition.

Ed. Hodgson, El Paso, Ill.

2236. SUZANNE.

2224. EARLVILLE.

Section 11.—Mare, any age.  
 Ed. Hodgson, El Paso, Ill.  
 Premiums: \$150.00  
 2237. FOUNTAIN.  
 2238. COLUMBIA.  
 E. Miller, Ancona, Ill.  
 2239. VIOLA.  
 2240. DANDY MONROE.  
 2241. DOLLY.  
 2242. E. F. Kleinmeyer, Wilton, Iowa.  
 2243. MARIE.  
 2244. IOWA KING.  
 2245. PERCHE DUKE.

Section 12.—Mare, 1 year and under 3.  
 Premiums: \$150.00  
 2246. SWEETSTARS.  
 Section 15.—Stallion, any age.  
 Premium: Medal.  
 M. W. Dunham, Wayne, Ill.  
 2247. BERTINE.  
 M. W. Dunham, Wayne, Ill.  
 2248. SAINTONGE.  
 Ed. Hodgson, El Paso, Ill.  
 2249. BELAIR.  
 2250. EARLVILLE.  
 E. F. Kleinmeyer, Wilton, Iowa.  
 2251. MONITOR.  
 2252. BIJOU.  
 E. F. Kleinmeyer, Wilton, Iowa.  
 2253. COLORED GENTLEMAN.  
 E. F. Kleinmeyer, Wilton, Iowa.  
 2254. J.C. GAZDAR, Champion, Ont.  
 2255. CAPTAIN.

Section 16.—Mare, any age.  
 Section 17.—Mare, under 1 year.  
 Premium: Medal.  
 M. W. Dunham, Wayne, Ill.  
 2248. HAZEL.  
 2249. SEMEY.  
 First Prize World's Columbian Exposition.  
 Ed. Hodgson, El Paso, Ill.  
 2250. SYLVIA.  
 2251. LORETTA.  
 E. Miller, Ancona, Ill.  
 2252. VIOLA.  
 2253. MARGARET.  
 2254. MARIE.  
 2255. PRIDE OF PLEASANT HILL.  
 2256. RHODA G.

Section 17.—Colts, of two stallions and three mares, 3 years old or under, and bred by exhibitor.  
 Premium: Medal.  
 M. W. Dunham, Wayne, Ill.  
 2257. ALCALA.

Section 1.—Stallion, of either sex, under 3 years of age.  
 2258. LEONAR.  
 2259. VIRGINIA.  
 2260. BRAZE.  
 First Prize World's Columbian Exposition.  
 Ed. Hodgson, El Paso, Ill.  
 2261. CONDE.  
 2262. LA FERIE.  
 2263. EARLVILLE.  
 2264. SUZANNE.  
 2265. SYLVIA.  
 2266. OLIVETTE.  
 E. F. Kleinmeyer, Wilton, Iowa.  
 2267. PERCHE DUKE.  
 2268. WILTON KENT.  
 2269. PRIDE OF PLEASANT HILL.  
 2270. QUEEN OF PLEASANT HILL.  
 2271. PRINCESS OF WYOMING.

Section 2.—Stallion, 3 years and over.  
 Premiums: \$150.00  
 2272. HERCULES.  
 2273. BASMAR.  
 M. W. Dunham, Wayne, Ill.  
 2274. VINGT MARS.  
 2275. EIFFEL.  
 2276. GORILLA.  
 Petersburg Horse Breeders' Ass'n, Greeley, Iowa.  
 Premiums: \$150.00  
 2277. RICHETIEU.  
 A. B. Holbert, Greeley, Iowa.  
 2278. BIDELE.  
 J. Crouch & Son, Loraine, La.

Section 3.—Stallion, 3 years and over.  
 Premiums: \$150.00  
 2279. RICHETIEU.  
 A. B. Holbert, Greeley, Iowa.  
 2280. BIDELE.  
 J. Crouch & Son, Loraine, La.

Section 4.—Stallion, 3 years and over.  
 Premiums: \$150.00  
 2281. RICHETIEU.  
 A. B. Holbert, Greeley, Iowa.  
 2282. BIDELE.  
 J. Crouch & Son, Loraine, La.

Section 4.—Stallion, 2 years old and over.  
3.

Premiums: \$110.00 \$70.00 \$35.00 \$25.00

Van Volsen Bros. & Vanderschuerm, Greeley, Iowa.

2281. ROYAL CORBAIS.  
A. B. Holbert, Greeley, Ia.  
2282. FOX.

Section 5.—Stallion, 2 years old and under 2.

Premiums: \$110.00 \$70.00 \$35.00 \$25.00

Van Volsen Bros. & Vanderschuerm, Greeley, Iowa.  
2283. FLORNTINE.

Section 6.—Mare, 5 years old or over.

Premiums: \$110.00 \$70.00 \$35.00 \$25.00

A. B. Holbert, Greeley, Iowa.  
2284. JEANNETTE.

Section 11.—Mare, 2 years old and under 3.

Premiums: \$110.00 \$70.00 \$35.00 \$25.00

Lefebure & Sons, Fairfax, Iowa.  
2286. ROSETTE.  
2287. COCOTTE.

Section 13.—Mare, under 1 year.

Premiums: \$110.00 \$70.00 \$35.00 \$25.00

A. B. Holbert, Greeley, Iowa.  
2285. ANTOINETTE.

SWEESTAKES.

Section 17.—Collection to consist of two stations and best of exhibition.

Premium: Medal.

Van Volsen Bros. & Vanderschuerm, Greeley, Iowa.  
2271. HERCULE.  
2272. GENERAL BELL.  
A. B. Holbert, Greeley, Iowa.  
2273. GLORIEUX.  
2274. BIDEI.

Petersburg Horse Breeding Assoc., Greeley, Iowa.

2273. ROBERT II.  
J. Couch & Son, La Fayette, Ind.  
2280. MAJOR.

Section 10.—Mare, any age.

Premium: Medal.

A. B. Holbert, Greeley, Iowa.  
2285. ANTOINETTE.  
2284. JEANNETTE.  
Lefebure & Sons, Fairfax, Iowa.  
2286. ROSETTE.  
2287. COCOTTE.

Section 8.—Mare, 2 years old or over.

CLASS XXXI.—SUFFOLK PUNCHES.

Location—Block H. & Barrg.

Section 1.—Stallion, 5 years old or over.

Premiums: \$110.00 \$70.00 \$35.00 \$25.00

M. F. Reynolds, Rochester, N. Y.  
2352. VENTURE.  
Peter Hopley & Co., Lewis, Iowa.  
2353. BLAZER.  
B. Ramsey, Hancock, Iowa.  
2351. NONPAREIL.

Section 4.—Stallion, 2 years old and under 3.

Premiums: \$110.00 \$70.00 \$35.00 \$25.00

Joseph Beck, Thorndale, Ont.  
2355. ONTARIO.

Section 5.—Stallion, 1 year old and under 2.

Premiums: \$110.00 \$70.00 \$35.00 \$25.00

Peter Hopley & Co., Lewis, Iowa.  
2356. GENERAL BRAGG.  
M. F. Reynolds, Rochester, N. Y.  
2358. GENESEE.

Section 6.—Stallion, under 1 year.

Premiums: \$110.00 \$70.00 \$35.00 \$25.00

Peter Hopley & Co., Lewis, Iowa.  
2359. PRINCE OF MAY.  
2360. CUPBEARER.

Section 7.—Stallion and three of his colts of either sex, under 4 years.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	Diploma

Peter Hopley & Co., Lewis, Iowa.

- 2354. CONNAUGHT.
- 2356. GENERAL BRAGG.
- 2368. MAUD RIVERSIDE.
- 2357. GOLDEN BOW.

B. Ramsey, Hancock, Iowa.

- 2351. NONPAREIL.
- 2369. BEAUTY.
- 2360. CUPBEARER.
- 2372. ALICE.

Section 8.—Mare, 5 years old or over.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Peter Hopley & Co., Lewis, Iowa.

- 2363. DAFFODIL.
- 2364. CHORUS.

B. Ramsey, Hancock, Iowa.

- 2361. SAXSTEAD SAL.

M. F. Reynolds, Rochester, N. Y.

- 2362. VANITY.

Section 9.—Mare, 4 years old and under 5.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

B. Ramsey, Hancock, Iowa.

- 2365. JESSIE.
- 2366. MIRTH.

Mossom Boyd & Co., Bobcaygeon, Ont.

- 2367. MAUD.

Section 11.—Mare, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Peter Hopley & Co., Lewis, Iowa.

- 2368. MAUD RIVERSIDE.

Section 12.—Mare, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

B. Ramsey, Hancock, Iowa.

- 2369. BEAUTY.

Section 13.—Mare, under 1 year.

	1st	2d	3d	4th
Premiums:	\$60.00	\$35.00	\$25.00	\$10.00

Peter Hopley & Co., Lewis, Iowa.

- 2370. DORA.

- 2371. CORA.

B. Ramsey, Hancock, Iowa.

- 2372. ALICE.

Section 14.—Mare and two of her colts of either sex.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	Diploma

Peter Hopley & Co., Lewis, Iowa.

SMART.

- 2368. MAUD RIVERSIDE.

- 2357. GOLDEN BOW.

B. Ramsey, Hancock, Iowa.

- 2361. SAXSTEAD SAL.

- 2369. BEAUTY.

- 2360. CUPBEARER.

SWEEPSTAKES.

Section 15.—Stallion, any age.

Premium: Medal.

Peter Hopley & Co., Lewis, Iowa.

- 2353. BLAZER.

- 2354. CONNAUGHT.

B. Ramsey, Hancock, Iowa.

- 2351. NONPAREIL.

Joseph Beck, Thorndale, Ont.

- 2355. ONTARIO.

M. F. Reynolds, Rochester, N. Y.

- 2352. VENTURE.

Section 16.—Mare, any age.

Premium: Medal.

Peter Hopley & Co., Lewis, Iowa.

- 2363. DAFFODIL.

- 2364. CHORUS.

B. Ramsey, Hancock, Iowa.

- 2361. SAXSTEAD SAL.

- 2365. JESSIE.

M. F. Reynolds, Rochester, N. Y.

- 2362. VANITY.

Mossom, Boyd & Co., Bobcaygeon, Ont.

- 2367. MAUD.

Section 17.—Collection, to consist of two stallions and three mares, all to be 4 years old or over, and bred by exhibitor.

Premium: Medal.

Peter Hopley & Co., Lewis, Iowa.

- 2357. GOLDEN BOW.

- 2356. GENERAL BRAGG.

- 2368. MAUD RIVERSIDE.

- 2370. DORA.

- 2371. CORA.

## CLASS XXXII.—HACKNEYS.

Location—Block B. Barn 5.

## Section 1.—Stallion, 5 years old or over.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

R. Beith &amp; Co., Bowmanville, Ont.

2397. JUBILEE CHIEF.

A. L. Sullivan, Lincoln, Neb.

2393. TIP TOP.

R. &amp; J. A. Turner, Calgary, N. W. T.

2413. SURPRISE.

S. C. Johnston, Manilla, Ontario, Can.

2394. SIR GARNET 3d.

Jones &amp; Daniel, Venedocia, Ohio.

2395. LORD DARLING.

Thompson &amp; Bland, Crawfordsville, Ind.

2400. LORD OF THE ISLES.

2401. MARCH PAST.

Stricker Bros., Springfield, Ill.

2391. PONTIFEX.

2392. BECTIVE.

Burgess Bros., Wenona, Ill.

2396. RINGMASTER.

L. W. Cochran, Crawfordsville, Ind.

2399. EXPECTATION.

L. B. Goodrich, State Center, Iowa.

2398. DORRINGTON.

## Section 2.—Stallion, 4 years old and under 5.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Thompson &amp; Bland, Crawfordsville, Ind.

2404. THE BUTLER 2d.

2405. BENTLEY CHAMPION.

L. W. Cochran, Crawfordsville, Ind.

2403. KING OF ENGLAND.

C. G. Monroe, Rushville, Ill.

2402. AMERICAN.

## Section 3.—Stallion, 3 years old and under 4.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Thompson &amp; Bland, Crawfordsville, Ind.

2409. PAULUS.

Stricker Bros., Springfield, Ill.

2407. RUBY.

R. Beith &amp; Co., Bowmanville, Ont.

2408. OTTAWA.

H. N. Crossley, Rosseau, Ont.

2406. FIREWORKS.

## Section 4.—Stallion, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Geo. H. Hastings, Deer Park, Toronto.

2410. STAR OF MEPAL.

Thompson &amp; Bland, Crawfordsville, Ind.

2411. STUTNEY SAUNTERER.

2412. COMEDY.

## Section 5.—Stallion, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Thompson &amp; Bland, Crawfordsville, Ind.

2414. ALEX.

## Section 6.—Stallion, under 1 year.

	1st	2d	3d	4th
Premiums:	\$60.00	\$5.00	\$25.00	\$15.00

Burgess Bros., Wenona, Ill.

2415. WENONA INDEX.

## Section 7.—Stallion and three of his colts of either sex under 4 years.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	Diploma

A. L. Sullivan, Lincoln, Neb.

2393. TIP TOP.

2425. GRACE LINCOLN.

2426. MARTHA WARNER.

2424. BELLE ELLIOTT.

## Section 8.—Mare, 5 years old or over.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Thompson &amp; Bland, Crawfordsville, Ind.

2419. GIPSY QUEEN.

Burgess Bros., Wenona, Ill.

2418. BLACK QUEEN II.

Geo. H. Hastings, Deer Park, Toronto.

2417. NORFOLK DUCHESS.

H. N. Crossley, Rosseau, Ont.

2416. LADY COCKNEY.

## Section 9.—Mare, 4 years old and under 5.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Thompson &amp; Bland, Crawfordsville, Ind.

2421. COUNTESS.

H. N. Crossley, Rosseau, Ont.

2420. LADY BIRD.

# Section 10.—Mare, 3 years old and under 4.

Premiums: \$110.00 \$70.00 \$35.00 \$25.00

R. Beith & Co., Bowmanville, Ont.  
2421. LADY ABERDEEN

R. Beith & Co., Bowmanville, Ont.  
2423. SWIFT

## Section 12.—Mare, 1 year old and under 2.

Premiums: \$110.00 \$70.00 \$35.00 \$25.00

A. L. Sullivan, Lincoln, Neb.  
2424. GRACE LINCOLN

2424. BELLE ELLIOTT

### SWEETSTAKES.

## Section 15.—Stallion, any age.

Premium: Medal.

Thompson & Bland, Crawfordville, Ind.  
2401. MARCH EASY

2405. BENTLEY CHAMPION

Stericker Bros., Springfield, Ill.  
2391. FROTH

2392. BECTINE

Burgess Bros., Wenona, Ill.  
2393. RINGMASTER

H. N. Crossley, Rosseau, Ont.  
2406. FIREWORKS

A. L. Sullivan, Lincoln, Neb.  
2393. TIP TOP

R. Beith & Co., Bowmanville, Ont.  
2397. JUBILEE CHIEF

R. Beith & Co., Bowmanville, Ont.  
2408. OTTAWA

James & Daniel, Venedocia, Ohio.  
2404. FORD DARTLING

L. W. Cochran, Crawfordville, Ind.  
2400. FANTASION

L. W. Cochran, Crawfordville, Ind.  
2403. KING OF ENGLAND

Burgess Bros., Wenona, Ill.  
2415. WENONA INDEX

Geo. H. Hastings, Deer Park, Toronto, H.  
2410. STAR OF NEPAL

R. L. A. Turner, Deer Park, Toronto.  
2412. STARK

S. C. Johnson, Mapilla, Ont.  
2409. SKIARNE

L. S. Goodrich, State Center, Iowa.  
2402. BROWNIE

C. G. Monroe, Rushville, Ind.  
2411. AVALON

# Section 16.—Mare, any age.

Premium: Medal.

Thompson & Bland, Crawfordville, Ind.  
2421. COUNTESS

2419. GIPSY QUEEN II

Burgess Bros., Wenona, Ill.  
2418. BLACK QUEEN II

Geo. H. Hastings, Deer Park, Toronto, H.  
2417. NORFOLK DUGLASS

H. N. Crossley, Rosseau, Ont.  
2416. LADY COCKNEY

A. L. Sullivan, Lincoln, Neb.  
2420. LADY BIRD

2420. MARTHA MACMERE

R. Beith & Co., Bowmanville, Ont.  
2422. LADY ABERDEEN

R. Beith & Co., Bowmanville, Ont.  
2423. WINNIE

## CLASS XXXIII.—MORGANS.

Location—Block B, Barn 2 and 3

## Section 1.—Stallion, 5 years old or over

Premiums: \$110.00 \$70.00 \$35.00 \$25.00

Morgan Horse Co., Carpentersville, Ill.  
2450. SULTAN

2450. HILLSIDE MORGAN

Thomas Lafon, Columbia, Mo.  
2452. CHAMPION

L. L. Dorsey, Middletown, Ky.  
2453. HENDRICKS

Joseph Battall, Winchester, Va.  
2443. DEEMING ALLO

H. C. Breneman, Belmar, N. J.  
2451. BLACK HAWK

Hornsby Bros., Eminence, Ky.  
2454. INDICATOR

W. A. Weed, Shelburne, Vt.  
2444. BEN HAWK

2442. THOUGHT

H. T. Cutts, Orwell, Vt.  
2445. STAR FRANKLIN

H. H. Hill, Isle La Motte, Vt.  
2446. HILL'S BONNY MORGAN

2447. METEOR

M. P. Funk, Rantoul, Ill.  
2452. BARNEY

F. C. Williams, Coventry, Vt.  
2519. CHARLIE

Section 2.—Stallion, 4 years old and under 5.  
H. C. Brenneman, Bethany, W. Va.

Premiums: \$100.00 \$200.00 \$300.00 \$400.00 \$500.00 \$600.00 \$700.00 \$800.00 \$900.00 \$1000.00

Milton P. Funk, Rantoul, Ill.  
2459. ALLY.

Hornsby Bros., Eminence, Ky.  
2460. OLD.

W. S. Bailey, Harwick, Vt.  
2461. GRAY.

Robt. Griggsby, Lowell, Vt.  
2462. FLEET.

2463. CAPRICE GOLD.  
Lester Fish, Rantoul, Ill.

2464. TAME ROMANIAN.  
Ballard Bros., Georgia, Middlebury, Vt.

2465. EUPHIA.  
Geo. Sennette, Lyndonville, Vt.

2466. MORGAN CHIEF.  
Lester Fish, Rantoul, Ill.

2467. NORWALT.  
Section 3.—Stallion, 3 years old and under 4.

Premiums: \$100.00 \$200.00 \$300.00 \$400.00 \$500.00 \$600.00 \$700.00 \$800.00 \$900.00 \$1000.00

2468. LIZZIE GOLD.  
Morgan Horse Co., Carpentersville, Ill.

2469. WINNIE.  
L. Dorsey, Middletown, Ky.

2470. COL RAY.  
Hornsby Bros., Eminence, Ky.

2471. INCOME.  
2472. ED. GOLDDUST.

D. K. Walker, Danville, Va.  
2473. Section 4.—Stallion, 3 years old and under 4.

Premium: Medal.  
Ward W. Stevens, Salem, Vt.

2474. BENGOLD.  
Morgan Horse Co., Carpentersville, Ill.

2475. LIZZIE GOLD.  
Morgan Horse Co., Carpentersville, Ill.

2476. CAPT ALLEN.  
Morgan Horse Co., Carpentersville, Ill.

2477. COMMONWEALTH.  
L. Dorsey, Middletown, Ky.

2478. GOLDZIT.  
2479. BROWN.

2480. DENY.  
Milton P. Funk, Rantoul, Ill.

2481. AGO.  
Hornsby Bros., Eminence, Ky.

2482. BLACK GLAD.  
D. P. Smith, Williams, Va.

2483. COBDEN.  
W. H. Taft, Vergennes, Vt.

2484. INGO.  
Geo. Sennette, Lyndonville, Vt.

2485. MORGAN CHIEF.  
Section 5.—Stallion, 3 years old and under 4.

W. J. Dwinell, Walcott, Vt.  
2486. BENGOLD.

W. S. Russell, East St. Johnsbury, Vt.  
2487. Section 6.—Stallion, 3 years old and under 4.

Premiums: \$100.00 \$200.00 \$300.00 \$400.00 \$500.00 \$600.00 \$700.00 \$800.00 \$900.00 \$1000.00

2488. PURE GOLD.  
Ward W. Stevens, Salem, Vt.

2489. LIZZIE GOLD.  
Morgan Horse Co., Carpentersville, Ill.

2490. BENGOLD.  
2491. LUKE MORGAN.

2492. H. C. Brenneman, Bethany, W. Va.  
Section 7.—Stallion, 3 years old and under 4.

Premiums: \$100.00 \$200.00 \$300.00 \$400.00 \$500.00 \$600.00 \$700.00 \$800.00 \$900.00 \$1000.00

2493. BENGOLD.  
Morgan Horse Co., Carpentersville, Ill.

2494. DUKES.  
Hornsby Bros., Eminence, Ky.

2495. MAJOR HARRIS.  
J. H. George, Harwick, Vt.

2496. Section 8.—Stallion, 3 years old and under 4.

Premium: Medal.  
W. S. Bailey, Harwick, Vt.

2497. MONTE.  
Hornsby Bros., Eminence, Ky.

2498. INDICATOR.  
2499. INGOLD.

2500. INCOME.  
2501. GOLD.

2502. Section 9.—Stallion, 3 years old and under 4.

Premiums: \$100.00 \$200.00 \$300.00 \$400.00 \$500.00 \$600.00 \$700.00 \$800.00 \$900.00 \$1000.00

2503. BENGOLD.  
Morgan Horse Co., Carpentersville, Ill.

2504. LIZZIE GOLD.  
Morgan Horse Co., Carpentersville, Ill.

2505. CAPT ALLEN.  
Morgan Horse Co., Carpentersville, Ill.

2506. COMMONWEALTH.  
L. Dorsey, Middletown, Ky.

2507. GOLDZIT.  
2508. BROWN.

2509. DENY.  
Milton P. Funk, Rantoul, Ill.

2510. AGO.  
Hornsby Bros., Eminence, Ky.

2511. BLACK GLAD.  
D. P. Smith, Williams, Va.

2512. COBDEN.  
W. H. Taft, Vergennes, Vt.

2513. INGO.  
Geo. Sennette, Lyndonville, Vt.

2514. MORGAN CHIEF.  
Section 10.—Stallion, 3 years old and under 4.

Premiums: \$100.00 \$200.00 \$300.00 \$400.00 \$500.00 \$600.00 \$700.00 \$800.00 \$900.00 \$1000.00

## Section 9.—Mare, 4 years old and under 5.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Warder W. Stevens, Salem, Ind.

2496. PURE GOLD.

2497. FLEITA MORGAN.

Hornsby Bros., Eminence, Ky.

2498. FANNIE C.

R. J. Cole, Danville, Vt.

2494. ALMA.

W. S. Bailey, Hardwick, Vt.

NELLY BLY.

## Section 10.—Mare, 3 years old and under 4.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Warder W. Stevens, Salem, Ind.

2502. GILT EDGE.

2503. GLIMMER.

L. L. Dorsey, Middletown, Ky.

2504. ROSE LOUISE.

Mr. Cole, Waldon, Vt.

2499. BETTY.

J. H. George, Hardwick, Vt.

2500.

S. B. Curtis, Rutland, Vt.

2501.

W. S. Bailey, Hardwick, Vt.

2520. MONTIE.

## Section 11.—Mare, 2 years old and under 3.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Morgan Horse Co., Carpentersville, Ill.

2507. TEMPEST MORGAN.

Hornsby Bros., Eminence, Ky.

2508. FOREST MAID.

Jos. Battell, Middlebury, Vt.

2505. ABBIE.

Lester Fish, Rutland, Vt.

2506. LUCILLE.

## Section 12.—Mare, 1 year old and under 2.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Warder W. Stevens, Salem, Ind.

2511. GOLDEIN.

Hornsby Bros., Eminence, Ky.

2513. FLORENCE G.

Jos. Battell, Middlebury, Vt.

2509. BRISTOL.

Lester Fish, Rutland, Vt.

2510. ARISTO BELL.

H. C. Brenneman, Bethany, W. Va.

2512.

H. T. Cutts, Orwell, Vt.

2514. MIDNIGHT STAR.

## Section 13.—Mare, under 1 year.

	1st	2d	3d	4th
Premiums:	\$60.00	\$35.00	\$25.00	\$15.00

Warder W. Stevens, Salem, Ind.

2516. FLEETLIN.

2517. CAPRICE GOLDDUST.

Morgan Horse Co., Carpentersville, Ill.

2518. EULALIA MORGAN.

Jos. Battell, Middlebury, Vt.

2515.

## Section 14.—Mare and two of her colts of either sex.

Premium: Medal

Warder W. Stevens, Salem, Ind.

2490. LIZZIE GOLDDUST.

2479. BENGOLD.

2517. CAPRICE GOLDDUST.

Morgan Horse Co., Carpentersville, Ill.

2492. FLORA 2d.

2507. TEMPEST MORGAN.

2518. EULALIA MORGAN.

## SWEEPSTAKES.

## Section 15.—Stallion, any age.

Premium: Medal

Warder W. Stevens, Salem, Ind.

2472. INGOLD.

2479. BENGOLD.

Morgan Horse Co., Carpentersville, Ill.

2449. SULTAN.

2450. HILLSIDE MORGAN.

Thomas Lafon, Columbia, Mo.

2448. CHARLES READE.

L. L. Dorsey, Middletown, Ky.

2453. HENDRICKS.

2476. GOLDZIL.

Milton P. Funk, Rantoul, Ill.

2459. TALLY.

2452. BARNEY.

Joseph Battell, Middlebury, Vt.

2443. DENNING ALLEN.

2442. THOUGHT.

H. C. Brenneman, Bethany, W. Va.

2451. BLACK HAWK CHIEF.

Hornsby Bros., Eminence, Ky.

2454. INDICATOR.

2460. INGOLD.

Geo. Sennette, Lyndonville, Vt.

2458. MORGAN CHIEF.

W. S. Bailey, Hardwick, Vt.  
 2442. GRATIAN.  
 H. T. Cutts, Orwell, Vt.  
 2445. STAR FRANKLIN.  
 W. H. Taft, Vergennes, Vt.  
 2441. BLACK HAWK.  
 2448. W. H.  
 Lester Fish, Rutland, Vt.  
 2450. TAMERLANE.  
 S. H. Saul, Fairfield, Vt.  
 2447. METEOR.  
 2446. HILL'S BONNIE MORGAN.  
 W. A. Weed, Shelburne, Vt.  
 2444. BEN HAWK.  
 E. T. Wilker, Lyndonville, Vt.  
 2461. NORWALK.  
 F. C. Williams, Coventry, Vt.  
 2519. CHARLIE RAY.

#### Section 16.—Mare, any age.

Premium: Medal

Warder W. Stephens, Salem, Ind.  
 2593. GILT EDGE.  
 2511. GOLDINE.  
 Morgan Horse Co., Carpentersville, Ill.  
 2597. TEMPEST MORGAN.  
 2592. FLORA IL  
 L. L. Dorsey, Middletown, Ky.  
 2594. ROSE LOUISE.  
 Hornsby Bros., Eminence, Ky.  
 2493. DAISY GOLDDUST.  
 2498. FANNIE C.  
 Jos. Battell, Middlebury, Vt.  
 2484. JESSE.  
 2485. BELL.  
 Lester Fish, Rutland, Vt.  
 2506. LUCILLE.  
 2510. ARISTO BELL.  
 R. J. Cole, Danville, Vt.  
 2494. ALMA.  
 2487. LADY HOPE.  
 H. L. Cutts, Orwell, Vt.  
 2489. FRANKLIN BELL.  
 W. S. Bailey, Hardwick, Vt.  
 2520. MONTIE.

Section 17.—Collection, to consist of two stallions and three mares, all to be 4 years old or under, and bred by exhibitor.

Premium: Medal

Warder W. Stephens, Salem, Ind.  
 2472. INGOLD.  
 2479. BENGOLD.  
 2511. GOLDEIN.  
 2502. GILT EDGE.  
 2593. GLIMMER.

#### CLASS XXXIV.—ARABS.

Location—Block A. Barn 2.

#### Section 3.—Stallion, 2 years old and under 3.

1st	2d	3d	4th
Premiums:	Medal	Medal	Medal Diploma

Jacob Heyl, Milwaukee, Wis.  
 2532. MIRZAH SAAFFY.

#### Section 6.—Mare, 4 years old or over.

1st	2d	3d	4th
Premiums:	Medal	Medal	Medal Diploma

Jacob Heyl, Milwaukee, Wis.  
 2534. AGA.  
 2535. HASFOURA.

#### Section 8.—Mare, 2 years and under 3.

1st	2d	3d	4th
Premiums:	Medal	Medal	Medal Diploma

Jacob Heyl, Milwaukee, Wis.  
 2536. KOHEY I.

#### SWEEPSTAKES.

#### Section 12.—Stallion, any age.

Premium: Medal.

Jacob Heyl, Milwaukee, Wis.  
 2532. MIRZAH SHAFFY.

#### Section 13.—Mare, any age.

Premium: Medal.

Jacob Heyl, Milwaukee, Wis.  
 2534. AGA.  
 2535. HASFOURA.

#### CLASS XXXV.—AMERICO-ARABS.

Location—Block A. Barn 2.

#### Section 2.—Stallion, 3 years old and under 4.

1st	2d	3d	4th
Premiums:	Medal	Medal	Medal Diploma

John B. Hall, Toronto, Can.  
 2556. FEZ.  
 2557. ALDEBARAN.

Sec under

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Section 6 - Mare, 4 years and over.  
 Premiums: Medal Medal Medal Diploma  
 Jacob Heyl, Milwaukee, Wis.  
 2571. AGABEL.

Section 7 - Mare, 3 years and under.  
 Premiums: Medal Medal Medal Diploma  
 Jacob Heyl, Milwaukee, Wis.  
 2572. MARIANNE.

Section 8 - Mare, 2 years and under.  
 Premiums: Medal Medal Medal Diploma  
 Jacob Heyl, Milwaukee, Wis.  
 2573. ADELINA.

Section 9 - Mare, 1 year and under.  
 Premiums: Medal Medal Medal Diploma  
 Jacob Heyl, Milwaukee, Wis.  
 2574. ABANA.

Section 10 - Mare, 1 year and under.  
 Location - Block A - Barn 2.  
 Premiums: Medal Medal Medal Diploma  
 Jacob Heyl, Milwaukee, Wis.  
 2575. KATURAH.

Section 11 - Mare and two of her colts of either sex.  
 Premiums: Medal Medal Medal Diploma  
 Jacob Heyl, Milwaukee, Wis.  
 2576. MARGOT.

Section 12 - Stallion, 5 years and over.  
 Premium: Medal  
 Jacob Heyl, Milwaukee, Wis.  
 2577. HASSAN.

Section 13 - Mare, 4 years and over.  
 Premium: Medal  
 Jacob Heyl, Milwaukee, Wis.  
 2578. HASSAN.

Section 14 - Mare, 3 years and under.  
 Premium: Medal  
 Jacob Heyl, Milwaukee, Wis.  
 2579. HASSAN.

Section 15 - Mare, 2 years and under.  
 Premium: Medal  
 Jacob Heyl, Milwaukee, Wis.  
 2580. HASSAN.

Section 16 - Mare, 1 year and under.  
 Premium: Medal  
 Jacob Heyl, Milwaukee, Wis.  
 2581. HASSAN.

Section 2.—Stallion, 4 years and under 5.  
Section 11.—Mare, 5 years and over.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2573. ISAURE CLEMENCE.  
2574. KITTY.  
M. W. Dunham, Wayne, Ill.  
LIBERTE.  
IPHIGENE.

Section 3.—Stallion, 3 years and under 4.  
Section 12.—Mare, 4 years and over.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2595. MODESTINE.  
2596. ALLIX.

Section 4.—Stallion, 2 years and under 3.  
Section 13.—Mare, 3 years and under 4.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2597. MIMOSA.  
2598. FLEUR DE LIL.

Section 5.—Stallion, 1 year and under 2.  
Section 14.—Mare, 2 years and under 3.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2600. INEZ.  
2601. PEERLESS.

Section 6.—Stallion, 1 year and under 2.  
Section 15.—Mare, 1 year and under 2.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2602. INEZ.  
2603. PEERLESS.

Section 7.—Stallion, 1 year and under 2.  
Section 16.—Mare, 1 year and under 2.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2604. INEZ.  
2605. PEERLESS.

Section 8.—Stallion, 1 year and under 2.  
Section 17.—Mare, 1 year and under 2.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2606. INEZ.  
2607. PEERLESS.

Section 9.—Stallion, 1 year and under 2.  
Section 18.—Mare, 1 year and under 2.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2608. INEZ.  
2609. PEERLESS.

Section 10.—Stallion, 1 year and under 2.  
Section 19.—Mare, 1 year and under 2.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2610. INEZ.  
2611. PEERLESS.

Section 11.—Stallion, 1 year and under 2.  
Section 20.—Mare, 1 year and under 2.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2612. INEZ.  
2613. PEERLESS.

Section 12.—Stallion, 1 year and under 2.  
Section 21.—Mare, 1 year and under 2.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2614. INEZ.  
2615. PEERLESS.

Section 13.—Stallion, 1 year and under 2.  
Section 22.—Mare, 1 year and under 2.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2616. INEZ.  
2617. PEERLESS.

Section 14.—Stallion, 1 year and under 2.  
Section 23.—Mare, 1 year and under 2.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2618. INEZ.  
2619. PEERLESS.

Section 15.—Stallion, 1 year and under 2.  
Section 24.—Mare, 1 year and under 2.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2620. INEZ.  
2621. PEERLESS.

Section 16.—Stallion, 1 year and under 2.  
Section 25.—Mare, 1 year and under 2.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2622. INEZ.  
2623. PEERLESS.

Section 17.—Stallion, 1 year and under 2.  
Section 26.—Mare, 1 year and under 2.  
1st 2d 3d 4th  
Premiums: \$150.00 Medal Medal Diploma  
His I. H. Grand Duke Dimitry, of Russia  
M. W. Dunham, Wayne, Ill.  
2624. INEZ.  
2625. PEERLESS.

M. W. Dunham, Wayne, Ill.  
SANS VERGOGNE.

2588. ECLAIR.

2592. INSTANT.

Section 15.—Stallion, any age.

Premium: Medal.

M. W. Dunham, Wayne, Ill.

2581. INDRE.

2582. KAOLIN.

M. W. Dunham, Wayne, Ill.

2583. FORCINAL.

2586. MARAUDEUR.

Section 16.—Mare, any age.

Premium: Medal.

M. W. Dunham, Wayne, Ill.

2593. ISAURE-CLEMENCE.

2594. KITTY.

M. W. Dunham, Wayne, Ill.

2595. MODESTINE.

2596. ALLIXIA.

Section 17.—Collection to consist of two stallions and three mares, all to be 4 years old or under, and bred by exhibitor.

Premium: Medal.

M. W. Dunham, Wayne, Ill.

2600. IDALIE.

2600. INEZ.

2589. INKERMANN.

2591. IDOLE.

2602. ISAURA.

2601. PEERLESS.

### CLASS XXXVI½.—EXHIBIT OF RUSSIAN HORSES.

#### A. STANDARD ORLOFF TROTTERS. (Light Type.)

Section 3.—Stallion, 3 years old and under 4.

His I. H. Grand Duke Dimitry, of Russia.

2605. BEZPODOBNY.\*

Section 8.—Mare, 5 years old or over.

Russian State Administration of Studs and Horse Breeding, St. Petersburg.

2606. ZIMA.\*\*

Section 11.—Mare, 2 years old and under 3.

His I. H. Grand Duke Dimitry, of Russia.  
2607. BEZOTVETNAIA.

#### B. STANDARD ORLOFF TROTTERS. (Heavy Type.)

Section 1.—Stallion, 5 years old or over.

Russian State Administration of Studs and Horse Breeding, St. Petersburg.

2608. VERBOVSTCHIK.\*\*

Russian State Administration of Studs and Horse Breeding, St. Petersburg.

2609. OUZIADNIK.\*\*

His I. H. Grand Duke Dimitry, of Russia.

2610. QUSSAN.

His I. H. Grand Duke Dimitry, of Russia.

2611. BELGRAD.

Mr. J. A. Alentieff, Moscow.

KRAKUS.

His I. H. Grand Duke Dimitry, of Russia.

2613. TCHISTIAK.

Section 2.—Stallion, 4 years old and under 5.

His I. H. Grand Duke Dimitry, of Russia.  
2614. ZENIT.

Section 11.—Mare, 2 years old and under 3.

His I. H. Grand Duke Dimitry, of Russia.  
2615. PROVORNAIA-PROUSSAKA.

#### C. ORLOFF (DEMI-SANG) SADDLE HORSES. (WEIGHT CARRIERS.)

Section 2.—Stallion, 4 years old and under 5.

His I. H. Grand Duke Dimitry, of Russia.  
2616. PRIJATEL.

Section 3.—Stallion, 3 years and under 4.

His I. H. Grand Duke Dimitry, of Russia.  
2617. PRIEZD.

#### D. ORLOFF-ARAB.

Section 1.—Stallion, 5 years old or over.

His I. H. Grand Duke Dimitry, of Russia.  
2618. BECKBOOLAT.

His I. H. Grand Duke Dimitry, of Russia.  
2619. INGUL.

**E. RUSSIA-ARAB.**

Section 2.—Stallion, 4 years old and under 5.

His I. H. Grand Duke Dimitry, of Russia.  
2620. GOUNEAD.

Section 3.—Stallion, 3 years old and under 4.

His I. H. Grand Duke Dimitry, of Russia.  
2620a. GOUDROUN.

**F. BITUGE. (LIGHT RUSSIAN DRAFT.)**

Section 1.—Stallion, 5 years old or over.

His I. H. Grand Duke Dimitry, of Russia.  
2620b. BOHATIR.

All "Orloff trotters" exhibited at the World's Columbian Exposition reach in the ascending lines to the celebrated pure blood Arabian white stallion "Smetanka," imported by Count Orloff in the year 1775.

\*Full particulars about each horse, also an historical sketch on the prominent Russian breeds can be found in a pamphlet "Russian Horses," to be had during the horse exhibition at our barn, later from "Clark's Horse Review" and "The Horseman," Chicago, or "Spirit of the Times," 11 Frankfort street, N. Y.

\*\*Sent by the Russian Government to Senator L. Stanford for his Palo Alto stud.

**CLASS XXXVII.—SADDLE HORSES.**

Location—Block A. Barn 1.

Section 1.—Stallion, 5 years old or over.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

T. S. Harrison, Auxvasse, Mo.

2626. REX DENMARK.

A. F. Wyckoff, Appleton City, Mo.

2621. ARTIST MONTROSE 51, 10 years

old; s. Artist 75; d. Bolly by Montrose 106.

Bred by N. Ray, Edmonton, Ky.

Joe Green, Franklin, Ky.

2627. GREEN'S HAMBLETONIAN.

W. F. Owsley, Danville, Ky.

2624. BRILLIANT.

2625. HIGH TIDE.

L. M. Monsees, Smithton, Mo.

2623. PIEDMONT.

J. T. Crenshaw, Todd's Point, Ky.

2629. MONTE CHRISTO, JR.

John W. Kelly, Springfield, Ky.

2628. BLOODCHIEF, JR., 414 s. Happy

Cross; d. by Blood Chief 792.

Cartwright & Ragsdale, Paris, Mo.

2622. BLACK ROSE.

Section 2.—Stallion, 4 years and under 5.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

J. A. Potts, Mexico, Mo.

2630. LEE ROSE.

G. Tom King, New Bloomfield, Mo.

2631. KING LEE ROSE.

Henry R. Walker, Pleasant Grove, Mo.

2632. BEAU BRUMMEL.

Section 3.—Stallion, 3 years and under 4.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Ed. Hodgson, El Paso, Ill.

2634. CHENAULT.

2635. WOODFORD.

R. T. Freeman & Son, Mexico, Mo.

2633. REX McDONALD.

D. L. Parish, St. Louis, Mo.

2636. FOREST SQUIRREL 3 years old; s. Black Squirrel 58; d. Kitty Hughes by Cromwell 78. Bred by J. E. Rutherford, Union Mills, Ky.

H. F. Cabbell, Bosworth, Mo.

2639. SIR NOLD 236, 3 years old; s. Red Squirrel 53 by Black Squirrel 58; d. Alice Denmark 425 by Star Denmark Jr.

Henry R. Walker, Pleasant Grove, Mo.

2637. IVANHOE.

T. S. Moberley, Richmond, Ky.

2638. WOODFORD SQUIRREL.

John B. Castleman, Louisville, Ky.

2640. CLAUDIUS DENMARK.

Section 4.—Mare, 5 years old or over.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

W. F. Owsley, Danville, Ky.

2643. T-34.

G. Tom King, New Bloomfield, Mo.

2644. BETSY DIAMOND.

2645. BEAUTY DIAMOND.

L. M. Monsees, Smithton, Mo.

2641. EDNA.

J. T. Crenshaw, Todd's Point, Ky.

2648. RAVEN.

2649. LADY CARMEN.

C. B. Pratt, Chicago, Ill.

2647. LOTTIE.

John B. Castleman, Louisville, Ky.  
2640. HALLIE CASTLEMAN.  
W. L. Caldwell, Jr., Danville, Ky.  
2642. LOTTIA.

### Section 5.—Mare, 4 years and under 5.

Premiums: \$110.00 \$70.00 \$35.00 \$25.00

J. A. Potts, Mexico, Mo.  
2650. MISS REX.  
L. M. Monsees, Smithton, Mo.  
2651. LEE ROSE.  
John B. Castleman, Louisville, Ky.  
2652. EMILY.  
J. P. McWhorter, Danville, Ky.  
1837. BESS.

### Section 6.—Mare, 3 years old and under 4.

Premiums: \$110.00 \$70.00 \$35.00 \$25.00

Ed. Hodgson, El Paso, Ill.  
2653. MISS ANDERSON.  
Rue & Owsley, Danville, Ky.  
2654. DELPHINE LOVE.  
2655. NELLIE STRONG.  
T. S. Harrison, Auxvasse, Mo.  
2656. LADY REX.

### Section 7.—Gelding.

Premiums: \$50.00 \$30.00 \$20.00 \$10.00

J. A. Potts, Mexico, Mo.  
2657. THE MASCOT.  
C. B. White, Chicago.  
2658. INDIAN BOY.  
Mrs. Mark M. Coad, Fremont, Neb.  
2661. RED ROSE 2d.  
J. T. Crenshaw, Todd's Point, Ky.  
2662. PRINCEPS JRM.  
John B. Castleman, Louisville, Ky.  
2660. JEFFERSON.

T. S. Harrison, Auxvasse, Mo.  
2659. KING REX.

### Section 8.—Stallion, any age.

Premium: Medal.

D. L. Parrish, St. Louis, Mo.  
2636. FOREST SOUTHERN.  
Rue & Owsley, Danville, Ky.  
2624. BRILLIAN.  
2625. HIGH TIDE.

G. Tom King, New Bloomfield, Mo.

2631. KING LEE ROSE.

L. M. Monsees, Smithton, Mo.

2623. PIEDMONT.

Cartwright & Raggsdale, Paris, Mo.

2622. BENON ROSE.

J. A. Potts, Mexico, Mo.

2630. LEE ROSE.

R. T. Franklin & Son, Mexico, Mo.

2633. REX McDONALD.

A. F. Wycoff, Appleton City, Mo.

2627. ARTIST MONTROSE.

Joe Green, Franklin, Ky.

2627. GREEN'S HAMBLETONIAN.

Henry B. Walker, Pleasant Grove, Mo.

2622. BEAU BRUMMEL.

2637. IVANHOE RD.

T. S. Moberley, Richmond, Ky.

2639. WOODBURY SPRINGFIELD.

John W. Kelly, Springfield, Ky.

2628. LOBBY CLOUD HILL.

H. F. Cabbell, Bosworth, Mo.

2639. SIR NOLD.

John B. Castleman, Louisville, Ky.

2640. CADDIS DENMARK.

Ed. Hodgson, El Paso, Ill.

2634. CHENAULT.

2635. WOODFORD.

T. S. Harrison, Auxvasse, Mo.

2626. REX DENMARK.

Section 9.—Mare, any age.

Premium: Medal.

J. A. Potts, Mexico, Mo.

2650. MISS REX.

Rue & Owsley, Danville, Ky.

2643. LOTTIA.

2655. NELLIE STRONG.

G. Tom King, New Bloomfield, Mo.

2644. BETSY DIAMOND.

2643. BETSY DIAMOND.

L. M. Monsees, Smithton, Mo.

2641. EDNA.

2651. LEE ROSE.

J. F. Crenshaw, Todd's Point, Ky.

2648. RAVEN.

2649. LADY CARMEN.

W. L. Caldwell, Jr., Danville, Ky.

2642. LOTTIA 2d.

C. B. Pratt, Chicago, Ill.

2647. LOTTIA.

John B. Castleman, Louisville, Ky.

2646. HATTIE CASTLEMAN.

2652. EMILY.

Ed. Hodgson, El Paso, Ill.

2656. MISS ANDERSON.

T. S. Harrison, Auxvasse, Mo.

2656. LADY REX.

Section 1.—Stallion, 4 years old and under 4.  
 Premiums: \$100.00 \$20.00

- G. E. Gilman, Paw Paw, Mich.  
 2697. LORD OF THE ISLES.  
 2698. BISMARCK OF PITTSFORD.  
 F. W. Hawley, Pittsford, N. Y.  
 2699. DENMAN.  
 G. A. Watkins, Detroit, Mich.  
 2699. BRANCE OF HAWLEY.  
 2699. MUCKLE ROSE.  
 J. M. Flowers, Oconomowoc, Wis.  
 2699. CLOVER.  
 James Lilburn, Emerald Grove, Wis.  
 2699. PRINCE.  
 J. M. Hoag, Maquoketa, Iowa.  
 2699. HOWARD B.  
 E. Woodman, Paw Paw, Mich.  
 2699. JACINTO.

Section 2.—Stallion, 3 years old and under 3.  
 Premiums: \$100.00 \$20.00

- G. E. Gilman, Paw Paw, Mich.  
 2697. REX DENMARK.  
 2698. LADY REX.  
 2699. KING REX.  
 J. A. Potts, Mexico, Mo.  
 2699. LEE ROSE.  
 2699. MISS REX.  
 2699. THE MARQUESS.  
 J. T. Crenshaw, Todd's Point, Ky.  
 2699. MONTE CRISTO.  
 2699. PRINCE OF WALES.  
 2699. RAVEN.  
 John B. Castleman, Louisville, Ky.  
 2699. CLAUDIUS DESEAR.  
 2699. EMILY.  
 2699. JEFFERSON.  
 Roe & Owsley, Danville, Ky.  
 2699. HIGH TIDE.  
 2699. T. 34.  
 2699. KING C.

- Robert Lilburn, Emerald Grove, Wis.  
 2697. MARQUIS.  
 2699. TRINKET.  
 Jas. Lilburn, Emerald Grove, Wis.  
 2699. GOY PECK.  
 J. Murray Hoag, Maquoketa, Iowa.  
 2699. JED.  
 2699. JANUARY.

Section 3.—Stallion, 2 years old and under 2.  
 Premiums: \$100.00 \$20.00

- J. M. Flowers, Oconomowoc, Wis.  
 2700. HED.  
 Robert Lilburn, Emerald Grove, Wis.  
 2700. PRINCE OF WALES.  
 2701. LEBERN'S JOY.  
 J. Murray Hoag, Maquoketa, Iowa.  
 2699. W. K. NAPSACK.  
 E. F. Hawley, Pittsford, N. Y.  
 2715. JANE OF PITTSFORD.  
 2716. FIFTH OF JULY.  
 G. E. Gilman, Paw Paw, Mich.  
 2710. FAIRY QUEEN.  
 2709. BELLE BROWN.  
 Pittsford Farms, Pittsford, N. Y.  
 2710. ELOTTIE OF PITTSFORD.  
 2711. GEORGE OF PITTSFORD.  
 F. W. Hawley, Pittsford, N. Y.  
 2711. DINA.  
 2712. SYDNEY.  
 G. A. Watkins, Detroit, Mich.  
 2705. NANNIE.  
 2706. LEEBEE.  
 J. M. Flowers, Oconomowoc, Wis.  
 2708. W. H. B. B. B.  
 2707. PANSEY.  
 Robt. Lilburn, Emerald Grove, Wis.  
 2715. W. H. B. B. B.  
 2718. IDA.  
 J. Murray Hoag, Maquoketa, Iowa.  
 2703. W. H. B. B. B.  
 2704. DORA.

Section 4.—Stallion, 1 year old and under 1.  
 Premiums: \$100.00 \$20.00

- E. F. Hawley, Pittsford, N. Y.  
 2715. JANE OF PITTSFORD.  
 2716. FIFTH OF JULY.  
 G. E. Gilman, Paw Paw, Mich.  
 2710. FAIRY QUEEN.  
 2709. BELLE BROWN.  
 Pittsford Farms, Pittsford, N. Y.  
 2710. ELOTTIE OF PITTSFORD.  
 2711. GEORGE OF PITTSFORD.  
 F. W. Hawley, Pittsford, N. Y.  
 2711. DINA.  
 2712. SYDNEY.  
 G. A. Watkins, Detroit, Mich.  
 2705. NANNIE.  
 2706. LEEBEE.  
 J. M. Flowers, Oconomowoc, Wis.  
 2708. W. H. B. B. B.  
 2707. PANSEY.  
 Robt. Lilburn, Emerald Grove, Wis.  
 2715. W. H. B. B. B.  
 2718. IDA.  
 J. Murray Hoag, Maquoketa, Iowa.  
 2703. W. H. B. B. B.  
 2704. DORA.

Section 5.—Mare, 3 years old and under 4.  
 Premiums: \$100.00 \$20.00

- E. F. Hawley, Pittsford, N. Y.  
 2715. JANE OF PITTSFORD.  
 2716. FIFTH OF JULY.  
 G. E. Gilman, Paw Paw, Mich.  
 2710. FAIRY QUEEN.  
 2709. BELLE BROWN.  
 Pittsford Farms, Pittsford, N. Y.  
 2710. ELOTTIE OF PITTSFORD.  
 2711. GEORGE OF PITTSFORD.  
 F. W. Hawley, Pittsford, N. Y.  
 2711. DINA.  
 2712. SYDNEY.  
 G. A. Watkins, Detroit, Mich.  
 2705. NANNIE.  
 2706. LEEBEE.  
 J. M. Flowers, Oconomowoc, Wis.  
 2708. W. H. B. B. B.  
 2707. PANSEY.  
 Robt. Lilburn, Emerald Grove, Wis.  
 2715. W. H. B. B. B.  
 2718. IDA.  
 J. Murray Hoag, Maquoketa, Iowa.  
 2703. W. H. B. B. B.  
 2704. DORA.

- G. A. Watkins, Detroit, Mich.  
 2723. DOLLIE.  
 2724. DOTTIE.  
 J. M. Flowers, Oconomowoc, Wis.  
 2726. GIPSEY.  
 Robt. Lilburn, Emerald Grove, Wis.  
 2725. BEAUTY.  
 J. Murray Hoag, Maquoketa, Iowa.  
 2721. JESSE.  
 2722. JULIA B.

Section 6.—Mare, 2 years and under 3.

	1st	2d	3d	4th
Premiums:	\$100.00	\$65.00	\$35.00	\$20.00

- E. F. Hawley, Pittsford, N. Y.  
 2736. PITTSFORD EMPRESS.  
 2737. PITTSFORD DUCHESS.  
 G. A. Watkins, Detroit, Mich.  
 2731. ANNIE STEWART.  
 2732. JOSIE.  
 J. M. Flowers, Oconomowoc, Wis.  
 2734. HILDA.  
 Robert Lilburn, Emerald Grove, Wis.  
 2735. ALBERTA.  
 J. Murray Hoag, Maquoketa, Iowa.  
 2729. KNICKERBOCKER LASS.  
 2730. KENA.

SWEEPSTAKES.

Section 7.—Stallion, any age.

Premium: Medal.

- E. F. Hawley, Pittsford, N. Y.  
 2683. BISMARCK OF PITTSFORD.  
 2687. LORD OF THE ISLES.  
 G. E. Gilman, Paw Paw, Mich.  
 2695. CAPTAIN KIDD.  
 F. W. Hawley, Pittsford, N. Y.  
 2686. DEMON.  
 G. A. Watkins, Detroit, Mich.  
 2693. RUMBLE WICK.  
 2684. MUCKLE ROOS.  
 Robt. Lilburn, Emerald Grove, Wis.  
 2697. MARQUIS.  
 2700. PRINCE.  
 J. Murray Hoag, Maquoketa, Iowa.  
 2738. SPARKLE.  
 2739. MOIR, JR.  
 J. M. Flowers, Oconomowoc, Wis.  
 2685. CLOVER.  
 2694. FRISCO.  
 E. Woodman, Paw Paw, Mich.  
 2790. JUMBO.  
 James Lilburn, Emerald Grove, Mo.  
 2689. PRINCE.  
 2690. GOV. PECK.

Section 8.—Mare, any age.

Premium: Medal.

- E. F. Hawley, Pittsford, N. Y.  
 2715. JUNE OF PITTSFORD.  
 2716. PITTSFORD QUEEN.

- G. E. Gilman, Paw Paw, Mich.  
 2710. FAIRY QUEEN.  
 2709. BELLE BROWN.  
 Pittsford Farms, Pittsford, N. Y.  
 2713. LOTTIE OF PITTSFORD.  
 2714. FLORENCE OF PITTSFORD.  
 F. W. Hawley, Pittsford, N. Y.  
 2711. DINA.  
 2712. SISTER.  
 G. A. Watkins, Detroit, Mich.  
 2724. DOTTIE.  
 2723. DOLLIE.  
 J. M. Flowers, Oconomowoc, Wis.  
 2708. NELLIE.  
 2734. PANSEY.  
 Robt. Lilburn, Emerald Grove, Wis.  
 2718. IDA.  
 2717. DANDY.  
 J. Murray Hoag, Maquoketa, Iowa.  
 2740. BELLE.  
 2704. DOT.  
 E. Woodman, Paw Paw, Mich.  
 2719. CHUB.  
 2720. DOLLY.

Section 9.—Double team, geldings admitted.

Premium: Medal.

- G. E. Gilman, Paw Paw, Mich.  
 CHRISTOPHER.  
 COLUMBUS.  
 G. A. Watkins, Detroit, Mich.  
 2683. PRINCE OF SHETLAND.  
 2684. MUCKLE ROOS.  
 James Lilburn, Emerald Grove, Wis.  
 2689. PRINCE.  
 2698. GOV. PECK.  
 J. Murray Hoag, Maquoketa, Iowa.  
 2738. SPARKLE.  
 JOKER.  
 2682. GOOD BOY.  
 2742. FELIX.

Section 10.—Tandem team, geldings admitted.

Premium: Medal.

- G. A. Watkins, Detroit, Mich.  
 2683. PRINCE OF SHETLAND.  
 2684. MUCKLE ROOS.  
 J. Murray Hoag, Maquoketa, Iowa.  
 2681. HOWARD B.  
 EUREKA.  
 JAY.  
 COLORADO.

# SHETLAND PONIES—JACKS AND JENNETS.

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**Section 11.—Team, three abreast, geldings admitted.**

Premium: Medal.

- G. A. Watkins, Detroit, Mich.  
 2683. PRINCE OF SHETLAND.  
 2684. MUCKLE ROOS.  
 MEIKLE JOHN.  
 J. Murray Hoag, Maquoketa, Iowa.  
 2682. GOOD BOY.  
 GARIBALDI.  
 2742. FELIX.

**Section 12.—Team, four abreast, geldings admitted.**

Premium: Medal.

- J. Murray Hoag, Maquoketa, Iowa.  
 2681. HOWARD B.  
 EUREKA.  
 2682. GOOD BOY.  
 2742. FELIX.  
 G. A. Watkins, Detroit, Mich.  
 2683. PRINCE OF SHETLAND.  
 2684. MUCKLE ROOS.  
 PRIDE OF THE ISLES.  
 MEIKLE JOHN.

**Section 13.—Team of eight, four abreast geldings admitted.**

Premium: Medal.

- J. Murray Hoag, Maquoketa, Iowa.  
 2681. HOWARD B.  
 EUREKA.  
 2682. GOOD BOY.  
 2742. FELIX.  
 JEFF.  
 JANESVILLE.  
 INDUSTRY.  
 IROQUOIS.

**Section 14.—Saddle pony, geldings admitted.**

Premium: Medal.

- J. Murray Hoag, Maquoketa, Iowa.  
 2741. CLEVELAND.  
 2742. FELIX.  
 G. A. Watkins, Detroit, Mich.  
 2743. JENNIE.  
 James Libary, Elmira, N. Y.  
 2689. PRINCE.  
 2690. GOV. PECK.

## CLASS XXXIX.—JACKS AND JENNETS.

**Section 1.—Jack, 5 years or over.**

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

- J. W. & J. L. Jones, Jr., Columbia, Tenn.  
 2783. DAY STAR.  
 J. C. Ray, Lawson, Mo.  
 2785. JOE BLACKBURN.  
 Converse Bros., Springfield, Ill.  
 2782. ANTAR.  
 L. Monsees, Smithton, Mo.  
 2781. SUPERIOR MAMMOTH, JR.

**Section 2.—Jack, 4 years and under 5.**

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

- Converse Bros., Springfield, Ill.  
 2786. BOSTON.

**Section 3.—Jack, 3 years and under 4.**

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

- W. L. Caldwell, Danville, Ky.  
 2788. BRIGADIER.  
 Luke W. Emerson, Bowling Green, Ky.  
 2789. ALPHONSO.  
 2790. HIGH SEAS.  
 Mason & Hill, Auburn, Ill.  
 2787. ANTAR, JR.

**Section 4.—Jack, 2 years and under 3.**

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

- W. L. Caldwell, Danville, Ky.  
 2793. ALVIDO.  
 J. W. & J. L. Jones, Jr., Columbia, Tenn.  
 2796. STAR NO. 1.  
 W. L. Caldwell & Son, Danville, Ky.  
 2792. INDEPENDENCE.  
 J. C. Ray, Lawson, Mo.  
 2797. BUCKNER.  
 A. W. Hopkins, Peru, Ill.  
 2794. BLACK FOREST.  
 2795. DUKE.  
 Charles G. Comstock, Albany, Mo.  
 2791. MONARCH.  
 Honest John 41; d. Kate Wilson 198. Bred by John H. Harris, Cockrell, Mo.

## Section 5.—Jack, 1 year and under 2.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

W. L. Caldwell, Danville, Ky.

2798. PARAGON BOY.

J. C. Ray, Lawson, Mo.

2801. MAGNOLIA.

A. W. Hopkins, Peru, Ill.

2799. BLACK OAK.

2800. FAVORITE.

## Section 6.—Jack, under 1 year.

	1st	2d	3d	4th
Premiums:	\$60.00	\$35.00	\$25.00	\$15.00

E. W. McCormack, Hempridge, Ky.

2802. SKYLIGHT.

J. W. &amp; J. L. Jones, Jr., Columbia, Tenn.

2804. DAY STAR 2d.

J. C. Ray, Lawson, Mo.

2805. HARDY.

Converse Bros., Springfield, Ill.

2803. COLUMBUS.

G. A. Watkins, Detroit, Mich.

2743. JENNIE.

James Lilburn, Emerald Grove, Wis.

2689. PRINCE.

J. M. Fowlers, Oconomowoc, Wis.

2708. NETTIE.

## Section 8.—Jennet, 5 years or over.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Converse Bros., Springfield, Ill.

2811. SANGAMON BELL.

2812. BELLE OF ILLINOIS.

E. W. McCormack, Hempridge, Ky.

2806. MARTHA SCHOFIELD.

MARY CROSS.

W. L. Caldwell &amp; Son, Danville, Ky.

2809. TOPSY.

2810. GRANT'S QUEEN.

W. L. Caldwell &amp; Son, Danville, Ky.

2807. GIANT'S MAID.

J. C. Ray, Lawson, Mo.

2814. LADY DORIS.

## Section 9.—Jennet, 4 years and under 5.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

W. L. Caldwell &amp; Son, Danville, Ky.

2815. LOVETT.

2816. MISS HARLAN.

W. L. Caldwell, Danville, Ky.

2817. VALENTINE.

## Section 10.—Jennet, 3 years and under 4.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

E. W. McCormack, Hempridge, Ky.

2818. MARY CROSS.

W. L. Caldwell &amp; Son, Danville, Ky.

2819. BELLE HOPKINS.  
PANSY.

## Section 11.—Jennet, 2 years and under 3.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

J. W. &amp; J. L. Jones, Jr., Columbia, Tenn.

2822. PERFECTION.

W. L. Caldwell, Danville, Ky.

2820. ZULU.

W. L. Caldwell, Danville, Ky.

2821. PANSY.

## Section 12.—Jennet, 1 year and under 2.

	1st	2d	3d	4th
Premiums:	\$110.00	\$70.00	\$35.00	\$25.00

Converse Bros., Springfield, Ill.

2824. COLUMBIA.

W. L. Caldwell &amp; Son, Danville, Ky.

2823. PARAGON GIRL.

## Section 13.—Jennet, under 1 year.

	1st	2d	3d	4th
Premiums:	\$60.00	\$35.00	\$25.00	\$15.00

W. L. Caldwell &amp; Son, Danville, Ky.

2825. BIRDIE.

2826. MAGNOLIA.

## Section 14.—Jennet and two of her colts of either sex.

	1st	2d	3d	4th
Premiums:	\$150.00	\$100.00	\$50.00	Diploma

Converse Bros., Springfield, Ill.

MISS LYON.

2803. COLUMBUS.

2824. COLUMBIA.

E. W. McCormack, Hempridge, Ky.

2802. SKYLIGHT.

2818. MARY CROSS.

2806. MARTHA SCHOFIELD.

W. L. Caldwell &amp; Son, Danville, Ky.

2815. LOVETT.

2823. PARAGON GIRL.

2825. BIRDIE.

## Section 15.—Jack, any age.

Premium: Medal.

Charles G. Comstock, Albany, Mo.

2791. MONARCH.

Converse Bros., Springfield, Ill.

2782. ANTAR.

2786. BOSTON.

Mason & Hill, Auburn, Ill.

2787. ANTAR, JR.

L. Monceux, Smithton, Mo.

2788. SUPERIOR MAMMOTH, JR.

W. L. Caldwell, Danville, Ky.

2788. BRIGADIER.

2798. PARAGON BOY.

E. W. McCormack, Hempridge, Ky.

2802. SKYLIGHT.

J. W. & J. L. Jones, Jr., Columbia, Tenn.

2804. DAY STAR.

2796. STAR No. 1.

W. L. Caldwell & Son, Danville, Ky.

2792. INDEPENDENCE.

Lake M. Emerson, Bowling Green, Ky.

2789. ALPHONSO.

J. C. Ray, Lawson, Mo.

2785. JOE BLACKBURN.

2797. BUCKNER.

A. W. Hopkins, Peru, Ill.

2794. BLACK FOREST.

2795. DUKE.

Section 16.—Jennet, any age.

Premium: Medal.

J. W. & J. L. Jones, Jr., Columbia, Tenn.

2822. PERFECTION.

Converse Bros., Springfield, Ill.,

2811. SANGAMON BELL.

2812. BELLE OF ILLINOIS.

E. W. McCormack, Hempridge, Ky.

2806. MARTHA SCHOFIELD.

2818. MARY CROSS.

J. W. & J. L. Jones, Jr., Columbia, Tenn.

PERFECTION.

W. L. Caldwell & Son, Danville, Ky.

2815. LOVETT.

2807. GIANT'S MAID.

W. L. Caldwell & Son, Danville, Ky.

2810. GRANT'S QUEEN.

2809. TOPSY!

J. C. Ray, Lawson, Mo.

2814. LADY DORIS.

Section 17.—Collection, to consist of two jacks and three jennets, all to be 4 years or under, bred by exhibitor.

Premium: Medal.

W. L. Caldwell & Son, Danville, Ky.

2785. PARAGON BOY.

2817. VALENTINE.

2821. PANSY.

2815. LOVETT.

## SPECIAL CLASS.—MULES.

Section 1.—Mule, 5 years or over.

Premiums:	1st	2d	3d	4th
	\$100.00	\$65.00	\$35.00	\$20.00

L. M. Emerson, Bowling Green, Mo.

2841.

Section 2.—Mule, 4 years and under 5.

Premiums:	1st	2d	3d	4th
	\$100.00	\$65.00	\$35.00	\$20.00

Wallace Estill, Estill, Mo.

2842. BELLE.

2843. MARY.

Section 3.—Mule, 3 years and under 4.

L. M. Emerson, Bowling Green, Mo.

2844.

2845.

Section 5.—Mule, 1 year and under 2.

L. M. Emerson, Bowling Green, Mo.

2846.

2847.

Section 6.—Mule, under 1 year.

Premiums:	1st	2d	3d	4th
	\$50.00	\$30.00	\$20.00	\$15.00

Converse Bros., Springfield, Ill.

2849. RUTH.

2848. BELLE.

Section 7.—Pair of mules, 4 years or over.

Premiums:	1st	2d	3d	4th
	\$150.00	\$100.00	\$50.00	\$25.00

Wallace Estill, Estill, Mo.

2842. BELLE.

2843. MARY.

Section 9.—Pair of mules, under 2 years.

Premiums:	1st	2d	3d	4th
	\$150.00	\$100.00	\$50.00	\$25.00

Converse Bros., Springfield, Ill.

2849. RUTH.

2848. BELLE.

# Exhibit of Stock Foods, Live Stock Appliances, Incubators, Etc.

Located in Incubator and Stock Food Building (south of Agriculture Building) unless otherwise specified.

## GROUP 28.

### Cattle.

1. American Glucose Co., Buffalo, N. Y. Stock food. 209
  2. Blatchford, E. W. & Co., Chicago, Ill. Stock and poultry spices. 209
  3. Brosius, Alva C., Cochranville, Pa. Stock food. 209
  4. Buckley, C. E. & Co., Dover Plains, N. Y. Stable fixtures. 209
  5. Butterworth, T., Quincy, Ill. Ear tags and bull rings. 209
  6. Cleveland Linseed Oil Co., Cleveland, Ohio. Linseed oil meal. 209
- Also Chicago, Ill. Coarse, Granular, Steam-Cooked Linseed Meal, Standard Dairy Feed, Cooked Horse Feed, Concentrated Fattening Meal, Calf and Pig Meal. Ask for prices. Delivered anywhere, at home or abroad. Cable address, "Cloc."
7. Colcord, S. M., Dover, Mass. Twin silo model. 209
  8. Gordon Food Co., Coatesville, Pa. food and remedies. 209
  9. March, John, Co., Chicago. Chemical dehorner. Dept. A 209
  10. Pratt Food Co., Philadelphia. Stock Stock, poultry and dog foods. 209
  11. Smith & Romaine, New York City. Stock food. 209
  12. Welch, H. G., Downey, Iowa. Cattle chute model. 209
  13. Whitaker, D. J., Emerson, Iowa. De-horning shears. 209

## GROUP 24.

### Poultry and Birds.

14. Axford, H. W., Chicago. Incubator and brooder combined. Dept. J 231
- Using electricity, gas or oil; round machines; 18 years of successful hatching; may be left alone 48 hours. See our exhibit, Gallery of Electricity Building.
15. Buckeye Incubator Co., Springfield, Ohio. Incubators. 231
  16. Campbell, J. L., West Elizabeth, Pa. Incubators and brooders. 231
- The Eureka is the only incubator which regulates the heat automatically and turns the eggs by a clock. Will run 100 hours without any attention whatever.
17. Furnas, W. S., & Co., Lisbon, Iowa. Poultry killer. 231
  18. Des Moines Incubator Co., Des Moines, Iowa. Incubators. 231
- Hot water heater placed under the eggs

forces complete radiation through any number of trays. Catalogues by mail.

19. Duncan, S. Q., Greenfield, Ohio. Brooders. 231
  20. Reliable Incubator and Brooder Co., Quincy, Ill. Incubators and Brooders. 231
- Located south of Live Stock Pavilion. Dealers in fancy poultry, food and supplies. The only incubator and Brooder combined. Write for catalogues.
21. Von Culin Incubator Co., Delaware City, Del. Incubators, Brooders and Egg Testers. 231
- Hatching every day. Incubators on trial.
22. Williams, A. F., Bristol, Conn. Incubators and Brooders. 231
- The Improved Monitor Incubator is made on scientific principles, and none but first-class mechanics are employed in its construction. The material used is the very best. The regulator is simple and works perfectly. First premiums at all great fairs and expositions. Large catalogue free.

## GROUP 25.

### Insects and Insecticides.

23. Cooper, Wm., and Nephews, Galveston, Texas. Sheep Dip. 235
  24. Hawley, Mrs. May A., Dixon, Ill. Insect Destroying Appliances. 235
  25. The Werger Animal Dipping Machine Co., Wellington, Ohio. Sheep Dipping Appliances. 235
- Woodson, Thomas, Philadelphia. Insecticide appliances. 235

## GROUP 26.

### Wild Animals.

27. Roosevelt, Theodore, Washington, D. C. Hunter's camp. Wooded Island.

## DEPARTMENT H.

## GROUP 112.

### Scales, Weights and Measures.

579. Chicago Scale Co., Chicago.
    - a Commercial scales. Dairy Bldg. 706
    - b Dairy scales of all descriptions. 706
    - c Stock or wagon scales. Stock Pavilion 707
- Recognized by the world as a standard. The only make of scales used in the international stock exhibit in stock pavilion.
- c Chemist's scales. Laboratory. 709
- The only make in this exhibit.



*Fish and Fisheries Building*

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# WORLD'S COLUMBIAN EXPOSITION

1893

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## OFFICIAL CATALOGUE

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### PART IV.

## FISHERIES BUILDING AND AQUARIA

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### DEPARTMENT D. FISH, FISHERIES,

Fish Products and Apparatus of Fishing

J. W. COLLINS, CHIEF

---

EDITED BY

THE DEPARTMENT OF PUBLICITY AND PROMOTION

M. P. HANDY, CHIEF

---

CHICAGO:  
W. B. CONKEY COMPANY, PUBLISHERS  
TO THE  
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CHICAGO

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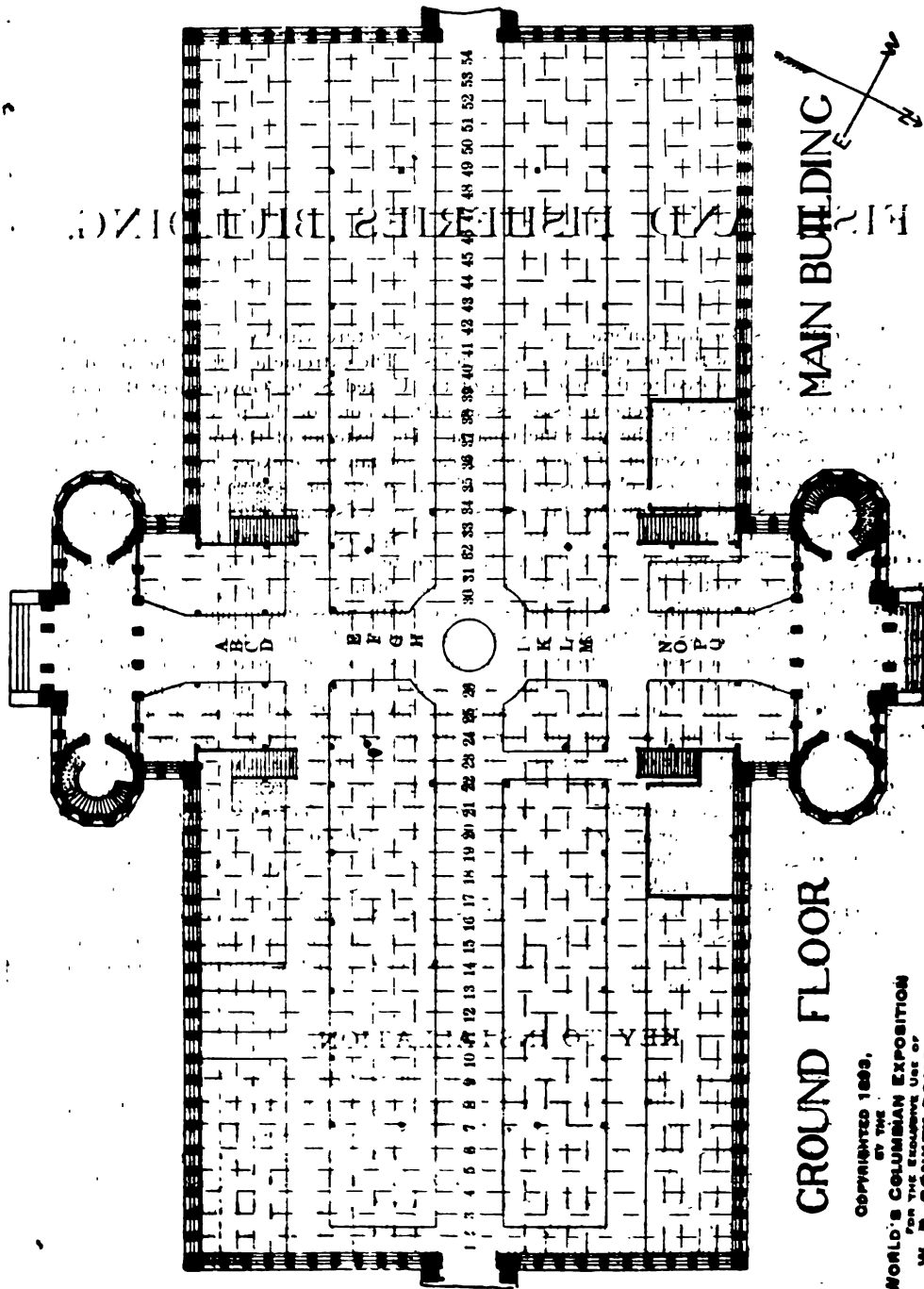
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PRINTERS AND BINDERS  
CHICAGO.

# FISH AND FISHERIES BUILDING.

The Fisheries Building embraces a large central structure with two smaller polygonal buildings connected with it on either end by arcades. The extreme length of the building is 1,100 feet. It is located to the northward of the United States Government Building. The central portion is the general fisheries exhibit. In one of the polygonal buildings is the angling exhibit and in the other the aquaria. The exterior of the building is Spanish-Romanesque. The exterior of the building can not fail to be exceedingly interesting, and the architect, Henry Ives Cobb, has arranged innumerable forms of capitals, moldings, arches, cornices and other ornamental details, using only fish and other sea forms for his design. The roof of the building is of old Spanish tile, and the side walls of a warm color. The cost is about \$200,000. In the center of the eastern polygonal building is a rotunda 60 feet in diameter, in the middle of which is a basin or pool 26 feet wide, in which rises a towering mass of rocks, covered with moss and lichens. From clefts and crevices in the rocks crystal streams of water gush and drop to the masses of reeds, ferns and ornamental semi-aquatic plants in the basin below. In this pool gorgeous fish of all sorts are seen. From the rotunda one side of the larger series of aquaria may be viewed. There are ten in number, and have a capacity of 7,000 to 27,000 gallons of water each. From the rotunda a great corridor or arcade is reached, where on one hand are the opposite side of the series of great tanks, and on the other a line of tanks that smaller, ranging from 750 to 1,500 gallons each in capacity. The glass fronts of the tanks are in length about 575 feet, and have 3,000 square feet of surface. The total capacity of the aquaria, exclusive of reservoirs, is 140,000 gallons. Of this amount 40,000 gallons are devoted to the marine exhibit. The supply of sea water was brought in in iron oil tank cars from the Atlantic coast. In the main building is the general fisheries exhibit, consisting of boats, seines, etc., and all manner of preserved and fish products, and in the western pavilion is the angling exhibit. In the lagoon are shown many out-of-door exhibits connected with the fisheries, which could all be shown in the building.

## KEY TO INSTALLATION.

The design of the Fish and Fisheries Building differs widely from that of nearly all other department-buildings, the main building being rectangular in form and ornamented with two wings known as polygonal buildings. The ground floor of the central building is laid off into spaces for exhibits, indicated by numbers and the cross sections which by tracing the lines from the letter to the number, as for instance, A-4 (as shown in the catalogue) will be easily found. By referring to the name of the exhibit, the name of the country or State as shown in the catalogue, and then looking on the plan indicates the space occupied by the exhibit.

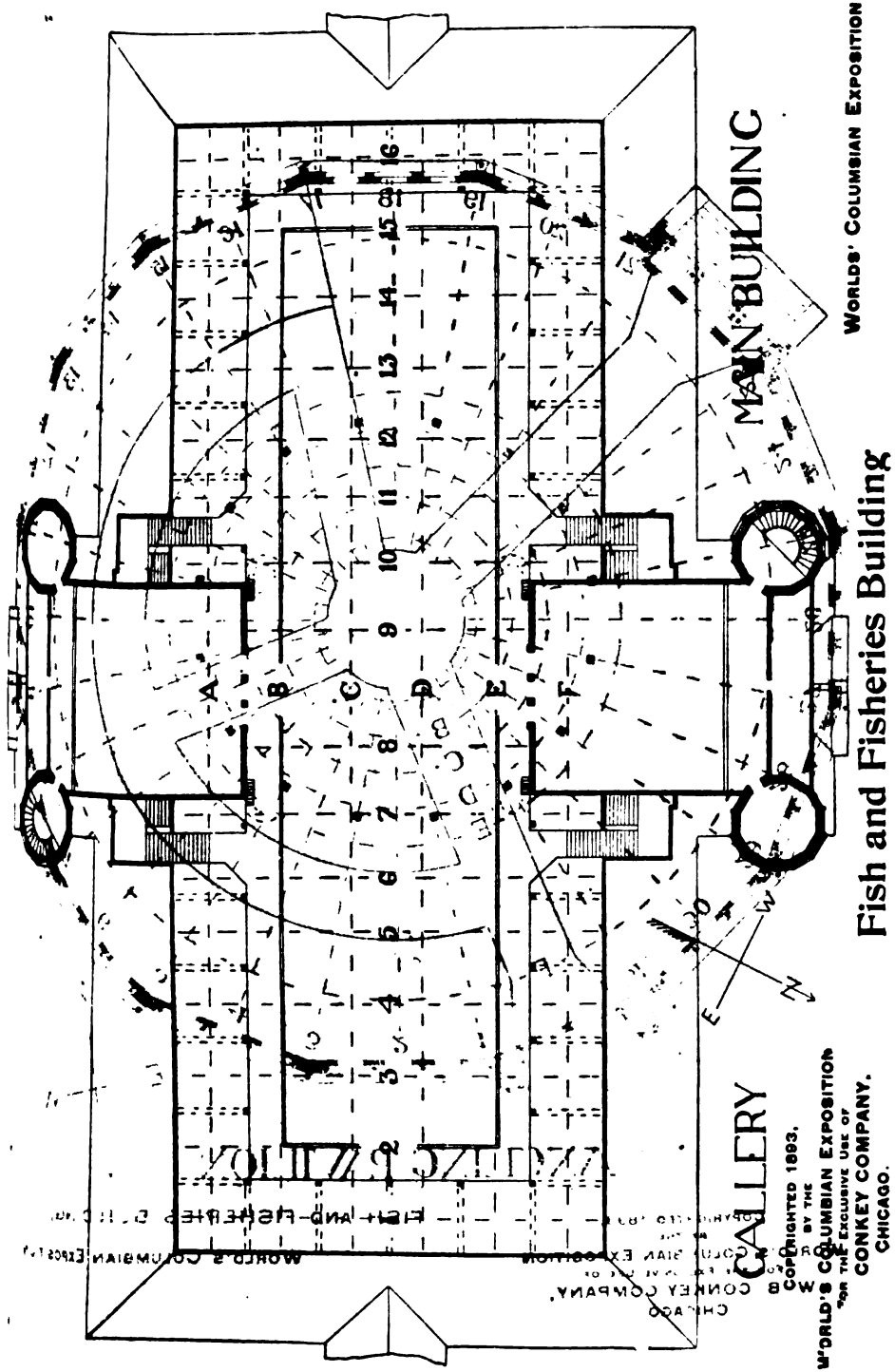


# GROUND FLOOR

# MAIN BUILDING

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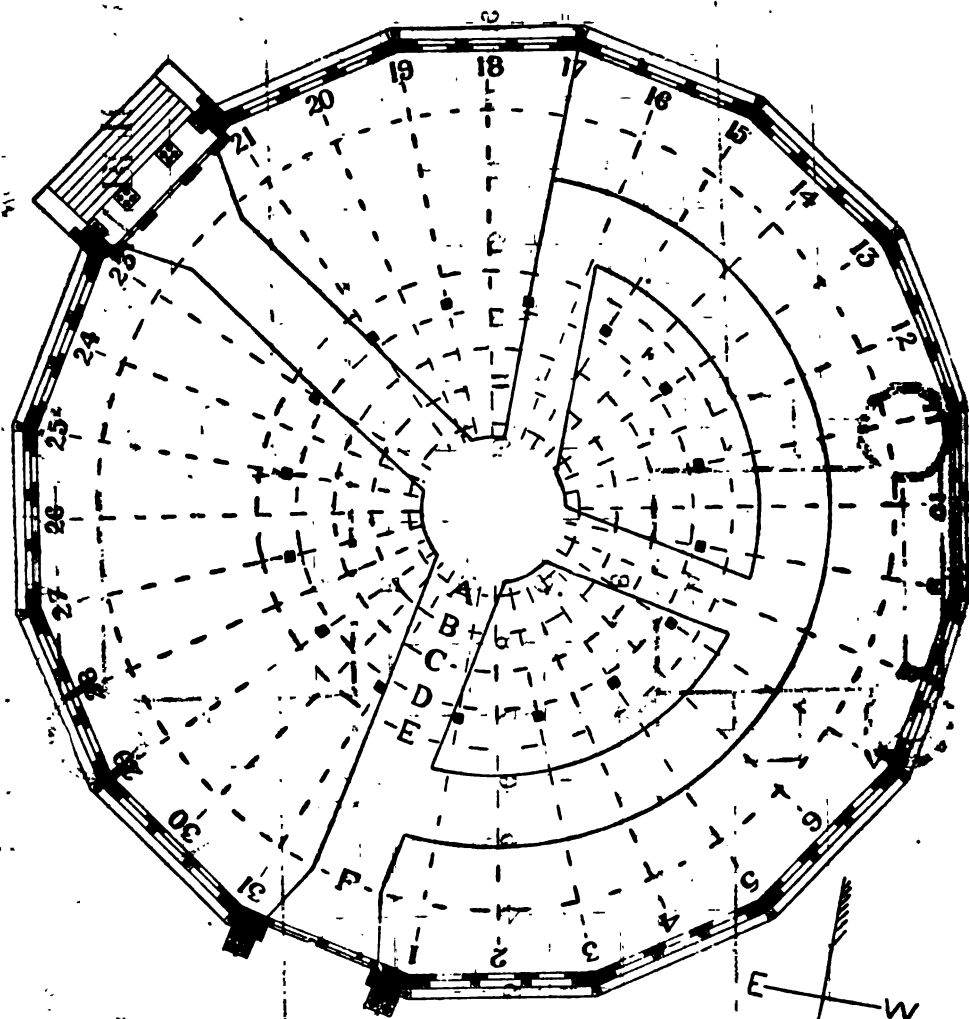


WORLD'S COLUMBIAN EXPOSITION

# Fish and Fisheries Building

GALLERY

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# ANGLING PAVILION

FISH AND FISHERIES BUILDING,

WORLD'S COLUMBIAN EXPOSITION.

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W. B. CONKEY COMPANY  
CHICAGO, ILL.  
1893

## DEPARTMENT D.

## FISH, FISHERIES, FISH PRODUCTS AND APPARATUS OF FISHING.

## GROUP 37.

## FISH AND OTHER FORMS OF AQUATIC LIFE.

- Class 239. Aquatic life. Scientific collections and literature.  
Works on aquatic zoology and botany. Maps illustrating geographical distribution, migration, etc. of fishes and other aquatic animals.  
Specimens and representations illustrative of the relations between extinct and existing forms of life.  
Specimens (marine and fresh water) fresh, stuffed, or preserved, in alcohol or otherwise, casts, drawings and representations of objects named in the following classes:
- Class 240. Algae, genera and species, with localities.  
Class 241. Sponges, corals, polyps, jelly-fish.  
Class 242. Entozoa and epizoa.  
Class 243. Oysters, clams and mollusca of all kinds; shells.  
Class 244. Star-fishes, sea-urchins, holothurians.  
Class 245. Worms used for bait, or noxious; leeches, etc.  
Class 246. Crustacea of all kinds.  
Class 247. Fishes, living or preserved, or represented by casts, drawings or otherwise.  
Class 248. Reptiles, such as tortoises, turtles, terrapins, lizards, serpents, frogs, newts.  
Class 249. Aquatic birds.  
Class 250. Aquatic mammalia, otters, seals, whales, etc.  
Class 251. Characteristic plant and animal life at great depths.  
Class 252. Fishing grounds.

## GROUP 38.

## SEA FISHING AND ANGLING.

- Class 253. History of fishing, fishery laws and fish commerce.  
Ancient fishing implements or their reproductions.  
Models, pictures, books, emblems.  
Charters and seals of ancient fishermen's guilds.  
Fishery laws of different countries.  
Copies of treaties, conventions, etc., dealing with international fishery relations.  
Reports, statistics and literature of fish, fishing and fisheries. Reports of acclimatization of fish and of attempts in that direction.
- Class 254. Gear of every description and of all nations, used in trawl, herring, long-line, hand line and every other mode or system of fishing; fishing lines and rigged gear.
- Class 255. Fish hooks, jigs and drails.  
Class 256. Fishing rods and reels for lines and nets.  
Class 257. Nets and seines, rakes and dredges, and materials used in their manufacture.  
Class 258. Fish traps, weirs and pounds.  
Class 259. Fishing stations and their outfit.  
Class 260. Knives, gaffs and other apparatus.  
Class 261. Illustrations of special fisheries. The whale and seal, cod, mackerel, halibut, herring, haddock, pollock, menhaden, sword-fish, bluefish, oyster, sponge and other sea fisheries.  
Class 262. Fishing boats and vessels.

## GROUP 39.

## FRESH WATER FISHING AND ANGLING.

- Class 263. History and literature of angling. Waltonian literature. Folk-lore. Anglers' trophies.
- Class 264. Salmon nets and fixed appliances for catching salmonidae in all their varieties.
- Class 265. Salmon rods, reels, lines, artificial flies and baits, gaffs, spears, creels, etc.
- Class 266. Bass, pike, perch rods, reels and tackle, artificial spinning baits, etc.
- Class 267. Traps, nets, bucks, wheels, and all kinds of apparatus for catching eels, lamprays, etc.
- Class 268. Anglers' apparel of every description.
- Class 269. The angler's camp and its outfit.
- Class 270. Illustrations of special fresh water fishery. Shad and alewife, sturgeon, eel, salmon, whitefish, the Great-Lake fisheries, etc.

## GROUP 40.

## PRODUCTS OF THE FISHERIES AND THEIR MANIPULATION.

(See also, in part, Groups 6 and 17.)

- Class 271. Models of fish-curing and canning establishments. Methods of, and models and other representations of any appliances for drying, curing, salting, smoking, tinning, cooking, etc.
- Class 272. Fish, dried, smoked, cured, salted, tinned or otherwise prepared for food.
- Class 273. All products prepared from fish, such as oils, roes, isinglass, etc.
- Class 274. Antiseptics suitable for preserving fish for food.
- Class 275. Oils, manures and other products prepared from fish.
- Class 276. Methods of, and models, and other representations of appliances for preparing oils and manures from fish.
- Class 277. Sea and fresh water pearl shells, mother-of-pearl, manufactured pearls, sorted.
- Class 278. Preparation and application of sponges, corals, pearls, shells and all parts and products of aquatic animals, etc., to purposes useful and ornamental, with specimens.
- Class 279. Appliances for carrying fish and for preserving fish during transport or otherwise, and models of the same. Models of fish markets and appliances connected with the same.

## GROUP 41.

## FISH CULTURE.

- Class 280. The history of fish culture.
- Class 281. Hatching, breeding and rearing establishments, including oyster and other shell-fish grounds.
- Class 282. Apparatus and implements connected with fish culture and for transporting fish and fish ova. Food for fry.
- Class 283. Representations illustrative of the development and progressive growth of fish.
- Class 284. Models and drawings of fish-ways and fish ladders.
- Class 285. Diseases of fish, with special reference to their origin and cure. Models and drawings.
- Class 286. Processes for rendering streams polluted by sewage and chemical or other words innocuous to fish life. (Illustrated by models and drawings.)
- Class 287. Physico-chemical investigation into those qualities of salt and fresh water which affect aquatic animals; investigation of the bottom of the sea and of lakes, shown by samples; aquatic plants in relation to fishing, etc.; researches into the aquatic fauna (animals of the several classes preserved in alcohol, or prepared, etc.); apparatus and implements used in such researches.
- Class 288. Acclimatization of fish. Marking of introduced fish for purposes of identification.
- Class 289. Statistics of the results of fish culture. Specimens of fish artificially propagated or introduced.

# How to Find Exhibitors and Their Exhibits.

The list of exhibitors from the United States will be found in the first portion of this catalogue, the foreign countries with their exhibits installed in the Fisheries Building following in alphabetical order. Each country has its exhibits numbered consecutively and as far as practicable each exhibit has a card attached to it bearing the name of the country and the words "Official Catalogue Number" and that number corresponds with the number in this Catalogue. For example, if a card is found with the following matter thereon:

Department D.                      Fisheries.

United States.

Official Catalogue Number 18

the visitor will turn to 18 in the United States portion of the Catalogue where will be found the following entry:

**18. American Net & Twine Co., Boston.**

*a* Nets, seines and material. B-20 257

*b* Fish traps, pounds, etc. 258

It may be that the visitor's attention is first directed to the Catalogue, and he may be desirous of finding this exhibit. The first thing he should do is to see what the location is; that being B-20, he will refer to the Key of Installation, which states that the ground floor of the main building, as shown in the diagram, is laid off into spaces for exhibits indicated by numbers 1 to 54, running east and west and with cross sections running north and south and lettered A to Q. The exhibit, therefore, of the American Net and Twine Co. will be found in that space bounded by B and 20, or in other words, the exhibit can be located at the corner of "B and 20th streets." The exhibits in the gallery of the main building and in the Angling Pavilion are all installed on the same system as those in the main building, and can be readily located by following above instructions.

The class number 257 serves many purposes, and one especially. A visitor, for instance, would like to see all the exhibits of nets and seines in the Fisheries Building. He immediately turns to the classification grouping, where he will read in group 38, class 257, the following: "Nets and seines, rakes and dredges and materials used in their manufacture." He immediately turns to the list of exhibitors under group 38 and by glancing down the right hand side for 257 finds all exhibitors alphabetically arranged who are exhibiting nets and seines and other articles enumerated in that class.

This rule applies to every exhibit in the Fisheries Department, whatever its character may be, and by following the above plan the visitor will experience no difficulty in locating the exhibitor or his exhibit.

No attention should be paid to any numbers which may be affixed to exhibits except those appearing on cards in the form given above.

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United States, Exhibits of.....	11



# Department D.--Fish, Fisheries, Etc.

## Fish and Other Forms of Aquatic Life.

### GROUP 37.

#### Fish and Other Forms of Aquatic Life.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Aiken, Walter, Franklin, N. H.		4a. Johns, Mitchell J., Chicago. Mounted gar-fish.	Pav. F-15 247
Paintings of fishes.	Pav. F-17 247	4b. Maine State. Casts of Fishes.	Main I-28 247
2. Ams, Max, New York. Sturgeon mounted.	Main K-20 247	5. Marston, J. W., & Co., Boston. Casts of lobsters.	Main B-9 246
2a. Board of Trade, New Bedford, Mass. Walrus head and tusks.	Gal. F-5 250	6. McClanahan, E. B., Waukegan, Ill. Mounted brook trout.	Pav. E-16 247
2b. Booth, A., Packing Co., Chicago.		7. McCullough, Mrs. M. S., Philadelphia. Mounted marine algæ.	Pav. F-16 240
a Sponges, corals.	P-25 241	8. Minnesota State.	
b Oysters, pectens.	243	a Maps showing distribution of species of fishes.	O-2 239
c Crustacea.	246	b Specimens of Minnesota fishes.	247
d Fishes, mounted.	247	c Aquatic birds destructive to fishes.	249
e Young seal.	250	9. Missouri State. Mounted fishes.	Pav. B-12 247
2c. Brimley, H. H., Raleigh, N. C.		10. Neal, John R., & Co., Boston.	B-5
a Fossil oysters.	Main K-6 248	a Cast of swordfish; frozen fishes.	247
b Mounted fishes.	247	b Charts of fishing grounds.	252
c Mounted frogs.	248	11. Northern Pacific Railroad Co., St. Paul, Minn. Specimens of fish in the Northwestern states.	Dept. G 247
d Mounted aquatic birds.	249	In two exhibit cars Transportation Building.	
e Mounted aquatic mammals.	250	12. Ohio State. Casts and specimens of Ohio fishes.	Pav. C-11 247
2d. California State.		12a. Oregon State.	
a Casts of California fishes.	247	Main K-16, Gal. D-1	
b Casts of sea crawfish.	Main I-26 246	a Clams, in alcohol.	243
2e. Capehart, W. R., Avoca, N. C.		b Fishes, in alcohol.	247
Mounted fishes.	Main K-6 247	c Fur seal, mounted.	250
2f. Clarke & Morgan, New Bern, N. C.		13. Pennsylvania State. Aquarial exhibit of fishes, colored sketches of fishes.	Pav. E-29 247
a Mounted aquatic birds.	249	13a. Quackenbos, J. D., New York City. Paintings and specimens of Sunapee trout.	Pav. F-17 247
b Mounted aquatic mammals.	250	13b. Rhode Island State.	
2g. Davis & Son, Wilmington, N. C.		a Oysters and clams.	Main F-9 243
Mounted fishes.	Main K-6 247	b Crustacea.	246
2h. Davis, E. C., Waltham, Mass.		c Fishes in alcohol.	247
Painting of fishes.	Pav. E-16 247		
2i. Duffy, Miss A. W., Raleigh, N. C.			
a Mounted aquatic birds.	Main K-6 249		
b Mounted aquatic mammals.	250		
3. Gloucester Board of Trade, Gloucester, Mass.			
a Algæ.	Main F-25 240		
b Corals, sponges, etc.	241		
c Clams.	243		
4. Ives, G. N., & Son, New Bern, N. C.			
a Oysters and clams.	Main K-6 243		
b Mounted fishes.	247		
c Mounted aquatic birds.	249		

## Fishing and Other Forms of Aquatic Life, Sea Fishing and Angling.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
13c. Ryder, J. A., Boston. Paintings of mackerel and lobster. Pav. F-16	247	19. Ams, Max, New York.	
14. San Diego High School, San Diego, Cal.		a Sturgeon gill nets. Main K-20	257
a Sea-weed (Algæ). F-3	240	b Boat for sturgeon fishery.	262
b Shells (Mollusks).	243	Proprietor of fisheries. Manufacturer and exporter of caviar in kegs and cans, smoked and preserved fish, fresh and frozen sturgeon, eels. Fish and caviar in cans, guaranteed to keep in all climates.	
c Star fishes, sea-urchins, etc.	244	19a. Board of Trade, New Bedford, Mass.	
d Crustaceans.	246	a Pictures and photos representing whale fishery.	253
e Mounted and dried fishes.	247	b Gear used in whaling.	254
f Turtles.	248	c Knives, harpoons, lances and other implements used in whale fishery.	260
g Aquatic birds.	250	d Complete outfit of implements illustrating whale fishery.	261
15. Seidler, Henry, Chicago.		e Model of whale-ship "Alaska." Gal. F-5	262
a Storm worm. Gal. F-7	245	20. Arctic Whaling Exhibit Co., Chicago.	
b Shrimp.	246	a Illustrations of whaling.	261
c Preserved fish specimens.	247	b Whale ship "Progress" and boats.	262
15a. Shindler, A. Z., Washington, D. C. Pictures illustrative of the great auk. Pav. F-16	249	20a. Booth, A., Packing Co., Chicago.	
15b. Skarren, L. A. & Co., Beaufort, N. C.		a Lobster pot. Main P-25	258
a Oysters and clams. M in K-6	243	b Model of lobster dory.	263
b Mounted fishes.	247	22. Bristow & Dixon, Stormont, Va. Oyster tongs. Main C-12	257
c Diamond-back terrapin.	248	22a. Court, J. W., Brooklyn, N. Y. Fish hooks. Pav. D-14	255
d Mounted aquatic birds.	249	23. Gloucester Board of Trade, Gloucester, Mass.	
16. Washington State.		a Reports, statistics and literature showing progress of the Gloucester fisheries. Main F-23	253
a Maps and charts. Main K-10	239	b Fishing gear.	254
b Clams and oysters.	243	c Fish-hooks, jigs and drails.	255
c Star-fishes.	244	d Nets, seines.	257
d Crabs.	246	e Fish-traps.	258
e Fishes; fresh, mounted, cast and alcoholic specimens.	247	f Fishing stations and outfits.	259
f Skeleton of humpback whale.	250	g Fish-knives, gaffs, etc.	260
g Sea lion.	250	h Illustrations of special fisheries.	261
h Aquatic birds.	249	i Fishing boats and vessels.	262
16a. Wiers, J. M., Chicago.		23a. Kane, Thomas, & Co., Chicago. Fishing boats and canoes. Pav. F-15 Gal. F-8	262
a Algæ. Gal. F-8	240	23b. King, Charles W., Kalamazoo, Mich. Folding canvas boat. Gal. F-10	262
b Sponges, corals.	241	23c. Leary, J. L., Edenton, N. C. Model of fishing boat. Main K-6	262
c Shells.	243	23d. Maine State.	Main I-26
d Fishes, mounted.	247	a Painting of fishing town.	263
17. Wisconsin State.		b Models of vessels.	262
a Aquatic plants (Algæ). Pav. E-25	240	24. Marston, J. W., & Co., Boston.	
b Shrimps, etc. (Crustacea).	246	a Lobster gear. Main B-9	254
c Aqualia exhibit of fishes.	247	b Lobster traps.	258
17a. Yopp, W. H., Wilmington, N. C. Mounted fishes. Main K-6	247	25. Minnesota State.	
		a Photographs and drawings illustrating fisheries. Main O-9	253
		b Fishing canoe with Indians.	262

## GROUP 38.

## Sea Fishing and Angling.

18. American Net & Twine Co., Boston.
- a Nets, seines and material. B-20 257
- b Fish traps, pounds, etc. Gal. A-5 258
- Manufacturers. Gold Medal seine twine. Purse seines for mackerel, menhaden, herring, shrimp, salmon, sand dabs, etc.; pounds, weirs, fykes, traps, seines; gill nets for shad, white-fish, herring, mackerel, etc. Highest award wherever exhibited. Sp'd gold medal London Ex. 1883. Est. 1842. Capital \$350,000.

Sea and Fresh Water Fishing and Angling.

Exhibit No.	Class'n No.
21. Mumford, Wm. B., Kansas City, Mo. Fish trap. Gal. F-6	258
22. Neal, John R., & Co., Boston. Main B-5 and Gal. A-2	
a Gear and lines.	262
b Mackerel jigs.	254
c Gill nets.	255
d Cape Cod fish weir, etc.	257
e Mackerel gaffs, etc.	258
f Illustrations of special fisheries.	260
g Models of schooners, dory, etc.	261
23. North Carolina State. Main K-6	
a Photos and maps of coast region.	253
b Models of fishing gear.	254
c Nets and seines.	257
d Mullet fisherman's hut.	259
e Gaffs, spears, etc.	260
24. Oregon State. Main K-16, Gal. D-1	
a Models of salmon wheels.	258
b Fishing boat and outfit.	262
25. Rhode Island State.	
a Gear and lines used in Rhode Island fisheries. Main F-9	254
b Nets, seines, rakes and dredges.	257
c Fish traps.	258
d Fishing knives, gaffs, etc.	260
e Illustrations of Rhode Island fisheries.	261
f Fishing boats and vessels.	262
26a. Skarren & Co., L. A., Beaufort, N. C. Oyster tongs; clam tongs. Main K-6	257
26b. St. Lawrence River Skiff, Canoe & Steam Launch Co., Clayton, N. Y. Fishing boats, canoes, etc. Pav. F-9	262
27. Tull, James E., Pocomoke City, Md. Model of Chesapeake Bugeye. Gal. F-3	262
28. Wade, A. D., Beaufort, N. C. Model of wharfe. Main K-6	262
29. Washington State.	
a Photographs, reports, and statistics of fisheries. K-10	253
b Sixash fishing gear; native implements.	254
c Nets and seines.	257
d Models of fishing boats and vessels.	262
e Dugout fishing canoes.	262
f Photos of fishing vessels and boats.	262

GROUP 39.

Fresh Water Fishing and Angling.

3. Acme Folding Boat Co., Miamisburg, Ohio. Folding boats. Pav. E-7	260
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Exhibit No.	Class'n No.
33. Benson, A. G., Philadelphia.	
a Combined gaff hook and landing net; safety gaff hook and telescoping landing net bow. Pav. C-6	265
b Locking ferrule joint fish rod.	266
(a) Folds and portable in valise.	
(a) and (b) Inseparable by tension or torsion.	
34. Buel, J. T., Co., Whitehall, N. Y. Artificial baits and trolling spoons. Pav. A-10	266
34a. Chicago Fly Casting Club, Chicago.	
a Angler's trophies. North pond east of Art Building.	263
b Angler's camp, a reproduction of Izaak Walton and Cotton's fishing lodge.	269
35. Comstock, A. S., Evanston, Ill. Tent for anglers. Pav. F-11	269
35a. Darrah, T. M., Wheeling, W. Va. Minnow and crawfish bucket. Pav. F-16	266
35b. Fetterer, A. B., Chicago. Automatic fishing apparatus. Pav. F-15	266
36. Forest & Stream Publishing Co., New York. Publications and illustrations of angling. Pav. F-1	263
37. Gold Medal Camp Furniture Co., Racine, Wis. Folding camp furniture. Pav. F-13	269
38. Graves, Calvin V., Natural Bridge, N. Y. Trolling bait. Pav. A-12	266
Welch & Graves pat. Jan. 3, '93. Protected live fish bait in glass tube. Sold only by mail, 81, 81.25, \$1.50 ea., by Calvin V. Graves, Natural Bridge, N. Y. Foreign interests for sale.	
38a. Hanish, Frank, Terre Haute, Ind. Minnow net. Pav. F-16	267
39. Harris, Wm. C., New York. Paintings and publications of angling. Pav. F-2	263
Used in illustrating (in life colors) a work, royal octavo, pp. 12x18 in., by Wm. C. Harris, editor of "The American Angler," New York.	
40. Head, W. S., Hooksett, N. H. Angler's field glass. Pav. F-15	269
41. Horton Mfg. Co., Bristol, Conn. Fishing rods and floats. Pav. E-11	266
41a. Kqsatka, Joseph, Chicago. Automatic fishing tackle. Pav. F-15	266
43. McGreggor, A. M., New York City. Mounted tarpon. Pav. F-16	263
43a. Meisselbach, A. F. & Bro., Newark, N. J. Fishing reels, landing-net frames, rod-holders. Pav. E-9	266
44. Milam, B. C., & Son, Frankfort, Ky. Fishing reels. Pav. A-5	266
44a. Natchaug Silk Co., Chicago. Silk fishing lines. Pav. E-2	266

## Products of the Fisheries and their Manipulation.

Exhibit No.	Class'n No.
45. Osgood Portable Boat Co., Battle Creek, Mich. Folding fishing boats and fittings. Pav. F-4	269
46. Phillippe, S. C., Easton, Pa. Split bamboo rods. Pav. F-17	266
46a. Sage, J. L., Lexington, Ky. Fishing reels. Pav. F-16	266
47. Shipley, A. B., & Son, Philadelphia. Rods, reels, flies and tackle. Pav. E-4	266
48. Skinner, Gardiner M., Clayton, N. Y. Trolling spoons. Pav. E-10	266
49. Spalding, A. G., & Bros., New York. Fishing rods. Pav. C-9	266
49a. Tobin, Joseph. Fishing lines. Pav. B-10	266
50. Thurston, Jas. B., Concord, N. H. Patent rod ferrule. Pav. F-15	266
51. Vom Hofe, Julius, Brooklyn, N. Y. Fishing reels. Pav. E-7	266
Manufacturer of every description of reels. Retailed by all first-class dealers in the United States. Established 1857.	
52. Waltonian Manufacturing Co., Chicago. Artificial flies. Pav. C-2	266
53. Whitaker, Herschel, Detroit, Mich. Patent reel-seat. Pav. F-17	266
53a. Wihs, Peter, Chicago. Automatic fishing apparatus. Pav. B-10	266
53b. Wood's Sons, Reuben, Syracuse, N. Y. Portrait of Reuben Wood. Pav. F-16	263
54. Yawman & Erbe, Rochester, N. Y. Fishing reels. Pav. E-13	266

## GROUP 40.

## Products of the Fisheries and Their Manipulation.

54a. Aberdeen Packing Co., Ilwaco, Wash. Canned salmon. Main K-10	272
55. Ams, Max, New York. Main K-20	
a Smoked and canned fish.	272
b Caviar; sturgeon oil.	273
c Sturgeon scrap.	275
56. Bailey, Arthur H., Boston. Canned extracts of clams. Gal. F-7	272
56a. Benson, C. L., Chicago. Canned salmon and lobster. Gal. F-10	272
56b. Board of Trade, New Bedford, Mass. a Arctic whalebone; whale jaws. Gal. F-5	273
b Whale, menhaden and black fish oil, etc.	275
c Complete collections of appliances for preparing oils, etc.	276
57. Booth, A., Packing Co., Chicago. a Canned fish and oysters. P-25	272
b Lobster car and crate (models).	279
Salmon, oysters, shrimp, fruit, vegetables,	

Exhibit No.	Class'n No.
58. Burnham, Edw. K., Gloucester, Mass. Pickled mackerel. M-19	227
59. Burnham & Morrill Co., Portland, Me. Canned fish, clams, lobsters, etc. N-25	272
59a. Capehart, W. R., Avoca, N. C. a Salted and smoked fish. Main K-6	272
b Salted and smoked roe and caviar.	273
59b. Daemicke & Tobin, Chicago, Ill. Main C-12	
Fish scaling machines, fish refrigerator, fish-ball machine and dish washing machine.	
59c. Elmore, Samuel, Astoria, Ore. Canned salmon. Main K-16	273
59d. Gardiner, Mary A., Memphis, Tenn. Ornamental fish scale work. Main A-26	278
59e. George & Barker, Astoria, Ore. Canned salmon. Main K-16	272
60. Gloucester Board of Trade, Gloucester, Mass. a Models and methods of handling and curing fish. F-23	271
b Cured and preserved fish.	273
c Products of fisheries.	273
d Appliances for preparing fish products.	276
e Models of fish markets, wharves, appliances for handling fish, etc.	279
61. Gloucester Isinglass & Glue Co., Gloucester, Mass. a Fish glues and isinglass. H-15	278
b Articles illustrating use of fish glue.	278
61a. Hawthorn & Co., Astoria, Ore. Canned salmon. Main K-16	273
62. Holmes, Eben A., Eastport, Me. Canned sardines and lobsters. M-21	272
62a. Kahrs, Friman, New York City. Dry fish glue. L-24	278
63. Kelley, Ezra, New Bedford, Mass. Black fish oil for watches. M-12	276
63a. Kinney, M. J., Astoria, Ore. Canned salmon. Main K-16	272
63b. Major, A., New York City. Fish cement. M-22	273
64. Mann Bros., Chicago. Pails for shipping oysters. C-11	279
65. Marston, J. W., & Co., Boston. a Model of building and appliances for lobster industry. Main B-9	271
b Models of lobster market and appliances.	279
66. Megler, J. G., & Co., Brookfield, Wash. Canned salmon. K-23	272
67. Meierdiercks, J. A., & Sons, New York. Salt and preserved fish. M-28	273

## Products of the Fisheries and their Manipulation, Fish Culture.

Exhibit No.	Class'n No.
68. Neal, John R., & Co., Boston.	
a Finnan haddies.	B-5 272
b Cod-liver oil.	273
c Appliances for fish markets.	279
69. Nye, Wm. F., New Bedford, Mass.	
Watch, clock and chronometer oil.	
M-13	275
We claim the superiority of our watch and clock oils over any oil other than that produced from the "jaw" and "melon" of the black-fish and porpoise, and we gladly offer \$1,000 for its equal in every essential quality for use on watches, clocks, chronometers and all delicate machinery.	
69a. Pillar Rock Co., Pillar Rock, Wash.	
Canned salmon.	Main K-10 272
69b. Reed & Jewett, Gardiner City.	
Canned salmon.	Main K-16 272
70. Rhode Island State.	
Main F-9	
a Products prepared from fish.	273
b Fish oil, manure, etc.	275
71. Russia Cement Co., Gloucester, Mass.	
a Fish glue, sizings, mucilage, etc.	
Main F-13	273
b Fish fertilizers.	275
c Fish glue articles.	278
Wood and iron joined with LePage's liquid glue. Other illustrations of special uses in the manufacture of leather, woolen, straw and paper goods. LePage's mucilage. Gold medal awarded at London Fisheries Exhibition.	
71a. San Diego High School, San Diego, Cal. Shell and scale work.	Main F-3 278
71b. Schmidt & Co., S. Kamokowa, Wash.	
Main K-10	
a Canned salmon, sturgeon, smelts, etc.	272
b Caviar.	278
c Fish oils.	275
71c. Skarren & Co., L. A., Beaufort, N. C.	
Fish sounds.	Main K-6 273
72. Stanley, Mrs. A. C., Ashton, R. I.	
Pictures of shell work.	Pav. F-16 278
73. Thiis, C. H., Chicago. Norway cod-fish.	
Gal. F-10	272
73a. Tipping, Thomas. Fish scale work.	
Pav. E-14	278
73b. Timmons & Co., Winslow, Oregon.	
Canned salmon.	Main K-16 272
73. Washington State. Fish, cured, smoked, canned, etc.	Main K-10 272
74. Wilzinski, L., Chicago. Sturgeon sounds, isinglass.	Main E-17 273
77. Wolf & Reassing, New York. Canned sardines.	I-24 272
Originators of the American sardine industry. Gold medals awarded at all prominent	

Exhibit No.	Class'n No.
European and American expositions. 62 and 64 Front Street, New York.	
77a. Young, J. D., Eastport, Me. Canned fish.	Gal. F-4 272

## GROUP 41.

## Fish Culture.

77b. Jewell, O. H., Filter Co., Chicago.	
Water filters. Beneath East Arcade and Pav. E-23.	282
77c. Land, S. E., Wyoming Fish Commission. Refrigerating car for transporting fish fry.	282
77d. Loery, Bernhard, New York. Aquarium.	Pav. F-16 282
77e. Maine State. Aerating Pump.	I-26 282
78. Minnesota State. Drawings and specimens showing development of the pike-perch.	Main O-2 288
80. Pennsylvania State.	
Pav. E-29	
a Models of fish hatcheries.	281
b Photos of fish hatcheries.	281
c Models of fish-ways.	284

## Exhibits Classed in Other Departments, but Installed in This.

## DEPARTMENT A

## GROUP 18.

## Fats, Oils, Soaps, Candles, Etc.

81. Board of Trade, New Bedford, Mass.	
a Whale oil soap.	Gal. F-5 96
b Spermaceti candles.	97

## DEPARTMENT H.

## GROUP 111.

## Leather and Manufactures of Leather.

82. Board of Trade, New Bedford, Mass.	
Polar bear skin.	Gal. F-5 696

## DEPARTMENT N.

## GROUP 19.

## Forestry, Forest Products.

83. Board of Trade, New Bedford, Mass.	
Specimens of worm-eaten timber.	
Gal. F-5	113

## BRAZIL.

LOCATION—Pavilion B-F-19.

Fish and Other Forms of Aquatic Life, Sea Fishing and Angling, Fish Products.

## GROUP 37.

Exhibit No.	Class'n. No.
1. Albuquerque, E. D., Ceara. Sponges.	241
2. Bezerra, Antonio, Ceara. Sponges.	241
3. Boris Freres, Ceara. Shells.	243
4. Camocim Committee, Ceara. Shells.	243
5. Lonsada, Estavas, Ceara. Shells.	243
6. Mendes, Pereira, Ceara. Shells.	243
7. Nascimento, F., Ceara. Shells.	243
8. Oliveira & Co., Ceara.	
a Sponges.	241
b Shells.	243
9. Para Committee.	
a Fish, mounted.	247
b Crocodile, mounted.	248
10. Pernambuco Committee. Sponges.	241
11. Pessoa, G., Ribeiro. Shells.	243
12. Tenno & Co., Naples. Sponges.	241

## GROUP 38.

13. Bahia Committee. Boat oars.	262
14. Barreira, F. Alves, Ceara. Cords for net.	257
15. Boris Freres, Ceara. Cast Net.	257
16. Ceara Committee. Nets.	257
17. Figuerira, M. de Rego, Ceara. Cords for net.	257
18. Goble, Charles, Alagoas. Fish basket.	260
19. Museo Botanico de Amazonas.	
a Indian fish arrows and bow.	254
b Indian boat and oars.	262
20. Negras & Temas, Para. Boat.	262
21. Nogueira, Alfredo, Ceara. Cords for net.	257

## Exhibit No.

## Class'n No.

22. Para Committee.	
a Long lines, trawl lines.	254
b Fish hooks.	255
c Cast nets.	257
d Fishing boat.	262
e Boat anchor and buoys.	262
23. Parana Committee. Boat oars.	262
24. Palmeira, Dr. Miguel, Alagoas.	
a Models of nets.	257
b Net needles and apparatus.	257
25. Piahy Committee.	
a Net needles and apparatus.	257
b Fish basket.	260
26. Pernambuco Committee.	
a Sea fish hooks.	255
b Cast net and net needles.	257
c Fish trap.	258
d Fish basket.	260
27. Rio de Janeiro Committee. Dip nets, shell fish nets.	257
28. Santa Catharina Committee. Dip net.	257

## GROUP 40.

29. D'Almeida, Robim, Para. Purified isinglass.	273
30. Doim, Afonso A., Santa Catharina. Preserved fish.	272
31. Ferreira & Temas, Para. Isinglass.	273
32. Para Committee.	
a Preserved fish.	272
b Turtle oil.	273
33. Saveda, Francisco C., Santa Catharina. Preserved fish.	272
34. Veira & Co., Adriano, Santa Catharina. Preserved fish.	272

# CANADA.

LOCATION—B-F 36; Gal. A-12.

## Fish and Other Forms of Aquatic Life, Sea and Fresh Water Fishing, Fish Products.

### GROUP 37.

Exhibit No.	Class'n No.
1. Canadian Government (Dept. of Marine and Fisheries), Ottawa.	
a Atlantic and Pacific sponges, corals, jelly-fish.	241
b Atlantic and Pacific oysters, clams.	243
c Star fish.	244
d Crustacea.	246
e 200 casts mounted fishes, fish in alcohol, pictures of fishes.	247
f Lizards and frogs in alcohol.	248
g 76 species aquatic birds.	249
h White whale, seals, otters, beavers, minks, weasels, muskrats.	250
2. Hatton, D., & Co., Bay du Vin, Que.	
Models of fishing grounds.	252

### GROUP 38.

3. Canadian Government (Dept. of Marine and Fisheries), Ottawa.	
a Pictures of fishing fleet, cruisers, fishing grounds, etc.	253
b Fishing gear used by Canadians, Indians, etc.	254
c Fish hooks, jigs, drails, etc.	255
d Fishing nets, seines, rakes, etc.	257
e Fish traps, weirs, pounds, etc.	258
f Fishing stations—models.	259
g Knives, gaffs, spears, etc.	260
h Fishing boats and vessels.	262

### GROUP 39.

4. Canadian Government (Dept. of Marine and Fisheries), Ottawa.	
a Salmon nets, etc.	264
b Salmon rods, reels, lines, flies, etc.	265
c Bass rods, reels, lines, flies, etc.	266
d Eel pots.	267

### GROUP 40.

5. Albert Bay Canning Co., Winpish River, B. C. Canned salmon.	272
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Exhibit No.	Class'n No.
6. Anglo-British Columbia Packing Co., Fraser River, B. C. Canned salmon.	272
7. Auld, Edward, Montreal. Munn's fish glue.	273
8. British Columbia Canning Co., Skeena River, B. C. Canned salmon.	272
9. Brown, W. S. Newcastle, N. B. Canned clams.	272
10. Canadian Government (Dept. of Marine and Fisheries), Ottawa.	
a Models of fish-curing and canning establishments.	271
b Fish oils, sturgeon and cod sounds, cod tongues, etc.	273
c Fish guano, oyster and clam shell fertilizers.	275
d Pearl shells.	277
11. Hart, L., & Son, Halifax, N. S. Dried codfish.	272
12. Hatton, D., & Co., Bay du Vin, Que. Canned oysters and clams.	272
12a. Laggie, A. & R., Mulgrave. Canned mackerel.	272
13. Letellier, J. B. G. Canned sardines.	272
14. Leslie & Co., Wm., Magdalen Island. Canned lobsters.	272
15. McLellan, A. J., New Westminster, B. C. Canned salmon.	272
16. Noble, R. B., Toronto. Canned lobsters.	272
17. Patterson James, St. John, N. B. Boneless codfish.	272
18. Rotherel, D., Montreal. Canned sardines.	272
19. Smith, John, Halifax, N. S. Dried codfish, hake, etc.	272
20. Stuart, Munn & Co., Montreal.	
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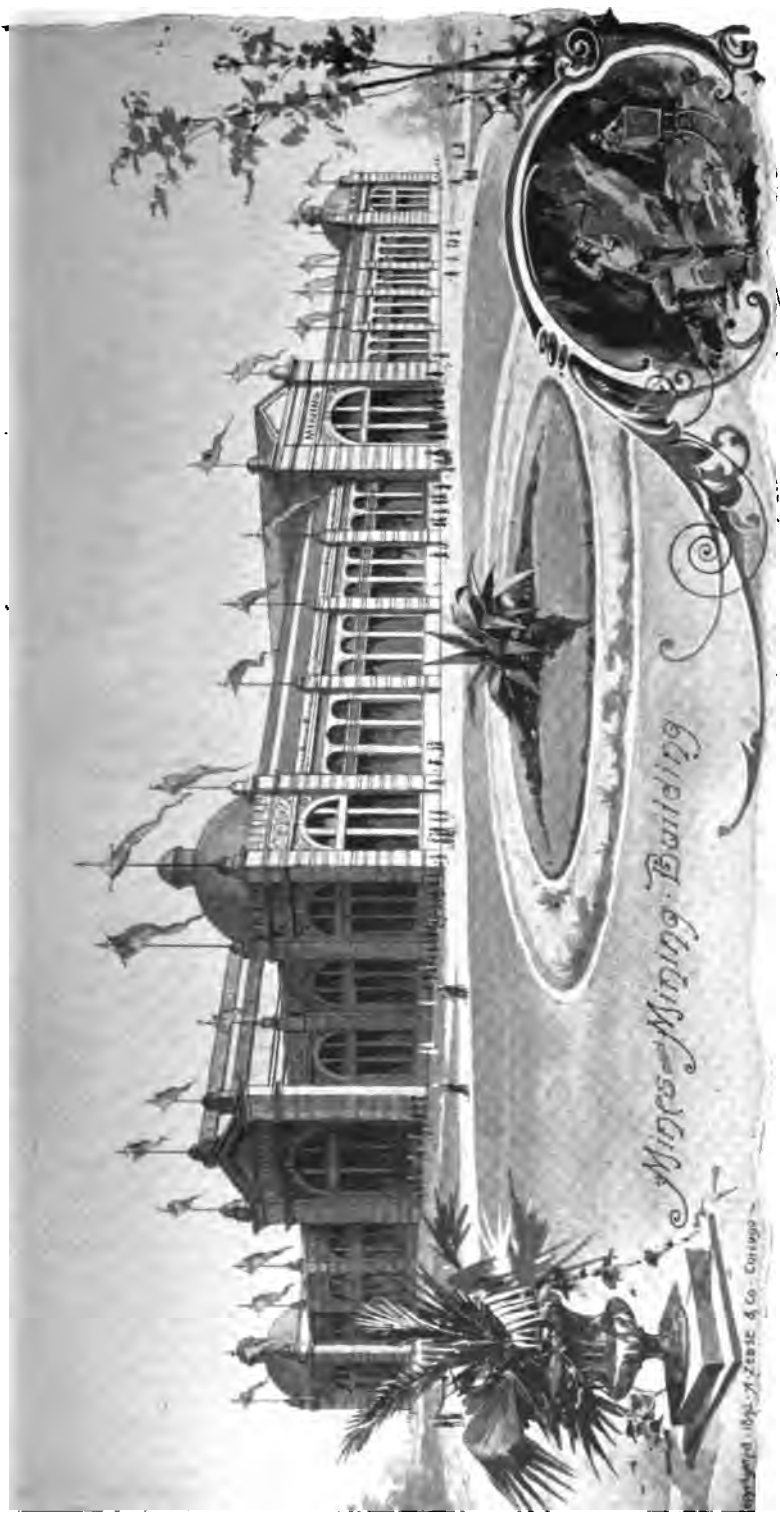
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*Mines Mining Building*

Designed by J. H. Zeiss & Co. Chicago



# WORLD'S COLUMBIAN EXPOSITION

1893

## OFFICIAL CATALOGUE

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### PART V.

## MINES AND MINING BUILDING

### DEPARTMENT E. MINES

### MINING AND METALLURGY

F. J. V. SKIFF, CHIEF

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EDITED BY

THE DEPARTMENT OF PUBLICITY AND PROMOTION

M. P. HANDY, CHIEF

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CHICAGO:  
W. B. CONKEY COMPANY, PUBLISHERS  
115 N. WABASH ST.  
TO THE  
WORLD'S COLUMBIAN EXPOSITION,  
1893.

# WORLD'S COLUMBIAN EXPOSITION

1893

## OFFICIAL CATALOGUE

PART V.

## MINES AND MINING BUILDING

Entered according to Act of Congress in the year A. D. 1893, in the office of Librarian of Congress  
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THE WORLD'S COLUMBIAN EXPOSITION,

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DEPARTMENT E. MINES

MINING AND METALLURGY

F. J. V. SKIFF, CHIEF

PRINTED BY

THE DEPARTMENT OF PRINTING AND LITHOGRAPHY

W. B. CONKEY COMPANY

CHICAGO  
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PRINTERS AND BINDERS  
WORLD'S COLUMBIAN EXPOSITION  
CHICAGO  
1893

# MINES AND MINING BUILDING.

Mines and Mining Building is located at the southern extremity of the western lagoon or lake, and between the Electricity and Transportation buildings. This building is 700 feet long by 350 feet wide. Its architecture has its inspiration in early Italian renaissance. On each of the four sides of the building are placed the entrances, those of the north and south fronts being the most spacious and prominent. To the right and left of each entrance, inside, start broad flights of easy stairs leading to the galleries. The galleries are 60 feet wide and 25 feet high from the ground floor, and are lighted on the sides by large windows and from above by a high clearstory extending around the building.

The interior space enclosed is 680 feet long, 100 feet high in the center and 47 feet high at the sides. This space is spanned by steel cantilever trusses, supported on steel columns. The clear space in the center is 116 feet. The cantilever system, as applied to roofs, was never used on so large a scale before.

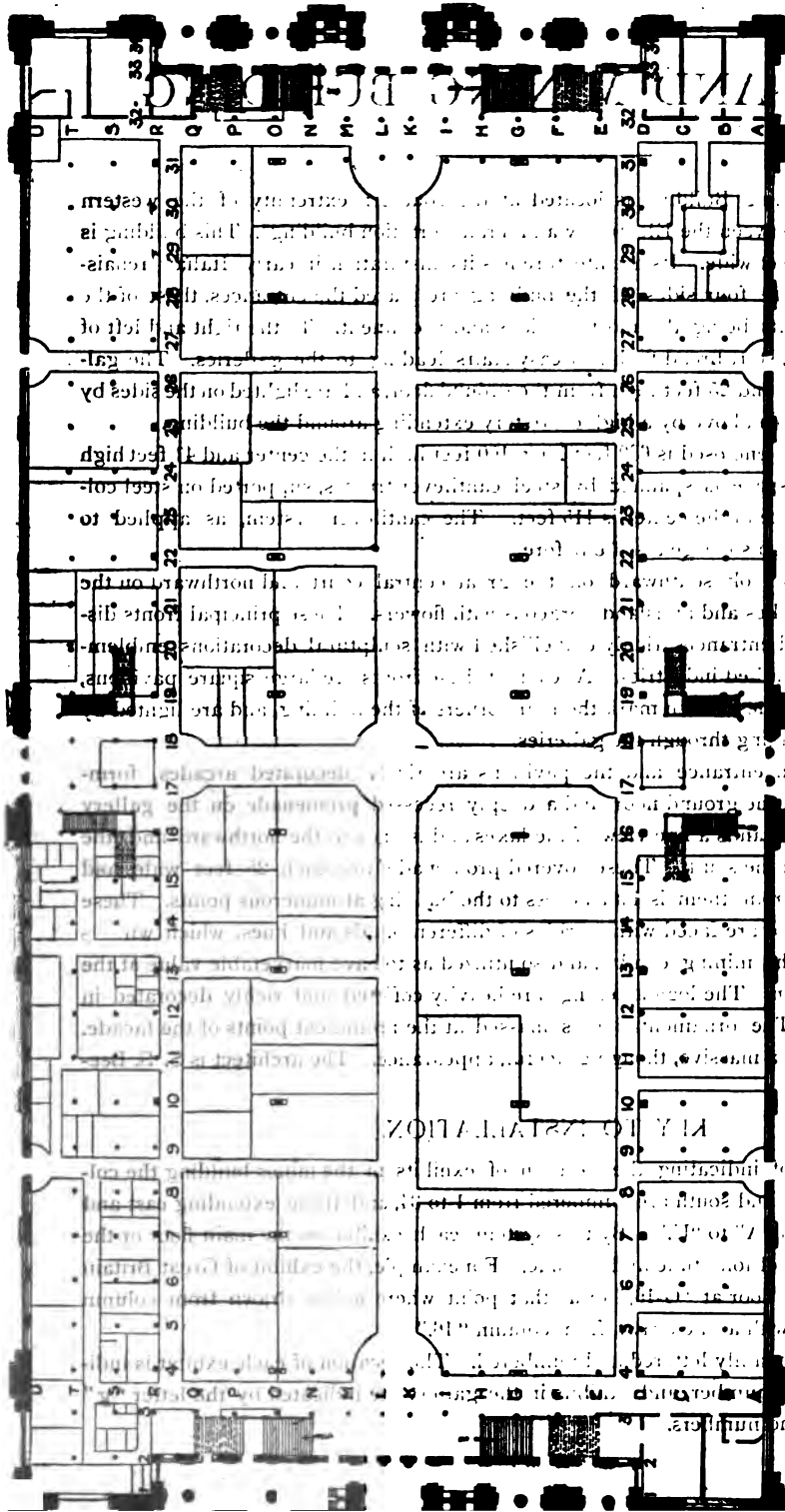
The main fronts look southward on the great central court, and northward on the western and middle lakes and an island gorgeous with flowers. These principal fronts display enormous arched entrances, richly embellished with sculptural decorations emblematic of mining and its allied industries. At each of these fronts are large square pavilions, surmounted by low domes which mark the four corners of the building, and are lighted by arched windows extending through the galleries.

Between the main entrance and the pavilions are richly decorated arcades forming an open loggia on the ground floor, and a deeply recessed promenade on the gallery floor level, which commands a fine view of the lakes and islands to the northward and the great central court on the south. These covered promenades are each 25 feet wide and 230 feet long, and from them is had access to the building at numerous points. These loggias on the first floor are faced with marbles of different kinds and hues, which will be considered part of the mining exhibit, and so utilized as to have marketable value at the close of the Exposition. The loggia ceilings are heavily coffered and richly decorated in plaster and color. The ornamentation is massed at the prominent points of the facade. The exterior presents a massive, though graceful, appearance. The architect is S. S. Beaman, of Chicago.

## KEY TO INSTALLATION.

For the purpose of indicating the location of exhibits in the mines building the columns extending north and south are numbered from 1 to 34, and those extending east and west are lettered from "A" to "U." By this system, each exhibit on the main floor or the gallery has a position of longitude and latitude. For example, the exhibit of Great Britain is located on the main floor at "G-16," or at that point where a line drawn from column "G" would intersect with a line drawn from column "16."

The columns are plainly lettered and numbered. The location of each exhibit is indicated by a letter and number, and exhibits in the gallery are indicated by the letter "g" following the letter and numbers.



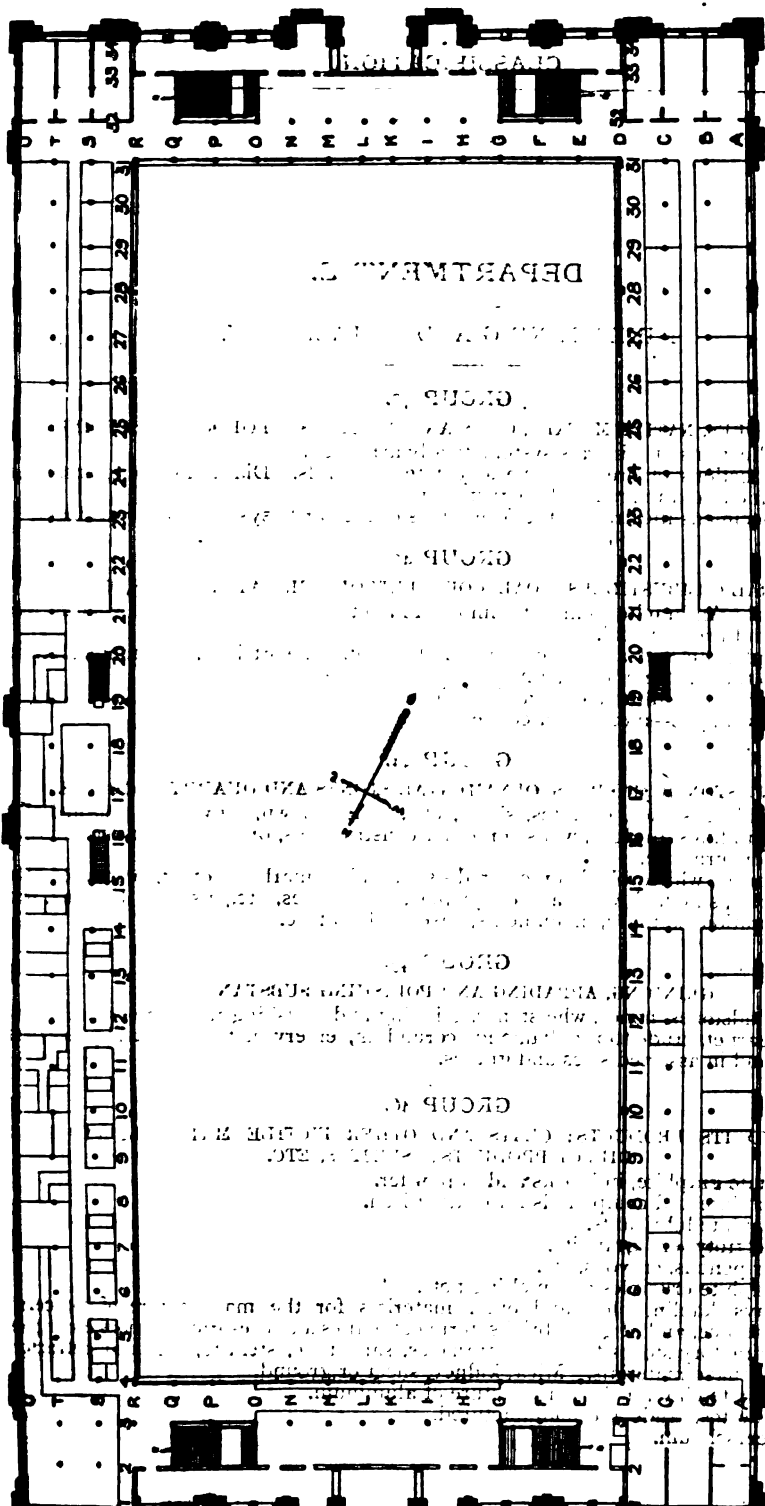
— WORLD'S COLUMBIAN EXPOSITION —

MINES AND MINING BLDG.

— OFFICIAL ALLOTMENT SPACE —

— TO —

WORLD'S COLUMBIAN EXPOSITION  
FOR THE BI-CENTENNIAL 1893  
W. B. CONKEY COMPANY.



OFFICIAL ALLOCATION OF SPACE — MINES AND MINING BLDG. —  
 — GALLERY FLOOR PLAN —  
 WORLD'S COLUMBIAN EXPOSITION —  
 B. CONKEY COMPANY, CHICAGO.

## DEPARTMENT E.

## MINES, MINING AND METALLURGY.

## GROUP 42.

## MINERALS, ORES, NATIVE METALS, GEMS AND CRYSTALS—GEOLOGICAL SPECIMENS.

- Class 290. Collections of minerals systematically arranged.  
 Class 291. Collections of ores and the associated minerals. Diamonds and gems, rough, uncut and unmounted. Crystallography.  
 Specimens illustrating the formations of the earth, systematically arranged.

## GROUP 43.

## MINERAL COMBUSTIBLES—COAL, COKE, PETROLEUM, NATURAL GAS, ETC.

- Class 292. Coal—Anthracite, semi-bituminous and bituminous; coal waste, "slack," coke and pressed coal.  
 Class 293. Asphaltite and asphaltic compounds—uintaite, wortzilite, grahamite, albertite, bitumen, mineral tar, amber.  
 Class 294. Petroleum—illuminating and lubricating oil.  
 Class 295. Natural gas—methods of conveying and using.

## GROUP 44.

## BUILDING STONES, MARBLES, ORNAMENTAL STONES AND QUARRY PRODUCTS.

- Class 296. Building stones, granites, slates, etc., rough hewn, sawed or polished—For buildings, bridges, walls, or other constructions, or for interior decoration, or for furniture.  
 Marble, white, black or colored—stalagmitic marbles, onyx, brecciated marbles, silicified wood, agates, jaspers, porphyries, etc., used in building, decoration, statuary, monuments, vases or furniture.

## GROUP 45.

## GRINDING, ABRADING AND POLISHING SUBSTANCES.

- Class 297. Grindstones, hones, whetstones, grinding and polishing materials, sand, quartz, garnet, crude topaz, diamond, corundum, emery in the rock and pulverized, and in assorted sizes and grades.

## GROUP 46.

## GRAPHITE AND ITS PRODUCTS; CLAYS AND OTHER FICTILE MATERIALS AND THEIR DIRECT PRODUCTS; ASBESTOS, ETC.

- Class 298. Crude graphite, in blocks and in powder.  
 Class 299. Graphite and compounds for coating iron.  
 Class 300. Graphite lubricants.  
 Class 301. Electrotypers' graphite.  
 Class 302. For pencils, crayons, etc.  
 Class 303. Graphite crucibles and melting pots.  
 Class 304. Clays, kaolin, siliceous, and other materials for the manufacture of porcelain, faience, and of glass, bricks, terra cotta, tiles and fire-brick; various examples.  
 Class 305. Refractory stones for lining furnaces, sandstone, steatite, etc., and refractory furnace materials. Mica; kidney, sheet or ground.  
 Class 306. Bauxite clay for the manufacture of aluminum.  
 Class 307. Asbestos, crude and manufactured.  
 Class 308. Meerscham.

GROUP 27.

LIMESTONE, CEMENTS AND ARTIFICIAL STONE.

- Class 300. Lime, cement and hydraulic cement, raw and burned, accompanied by specimens of the crude rock or material used; also artificial stone, concrete, beton.  
Specimens of lime mortar and mixtures, with illustrations of the processes of mixing, etc. Hydraulic and other cements.  
Class 310. Beton mixtures and results, with illustrations of the processes.  
Class 311. Artificial stone for building purposes, building blocks, cornices, etc. Artificial stone mixtures for pavements, walls or ceilings.  
Class 312. Asphaltic mastics and mixtures, asphaltic sand, asphaltic limestone.  
Class 313. Gypsum, crude and boiled; calcareous, plasters, mastics, etc.

GROUP 48.

SALTS, SULPHUR, FERTILIZERS, PIGMENTS, MINERAL WATERS AND MISCELLANEOUS USEFUL MINERALS AND COMPOUNDS.

- Class 314. Salts from beds or from brines.  
Class 315. Nitre and other nitrates.  
Class 316. Sulphates, alums and other salts.  
Class 317. Sulphur and pyrites for the manufacture of sulphuric acid.  
Class 318. Boracic acid and its salts; borax.  
Class 319. Pigments, iron oxides, ochres, vermilion, etc.  
Class 320. Mineral fertilizing substances, gypsum, phosphate of lime, marls, shells, coprolites, etc., not manufactured. (For commercial fertilizers and compounds, see Group 17.)  
Class 321. Mineral waters, artesian well water (for commercial forms, as bottled and as beverages, see Group 10); natural brines, saline and alkaline efflorescences and solutions.

GROUP 49.

METALLURGY OF IRON AND STEEL, WITH THE PRODUCTS.

- Class 322. Ore mixtures, fluxes and fuels.  
Class 323. Blast furnaces—stacks, stoves, blowing apparatus and arrangement.  
Class 324. Pig-iron, cast-iron and mixtures.  
Class 325. Cupola furnaces.  
Class 326. Direct processes—sponge and blooming plant and apparatus.  
Class 327. Puddling—furnaces and appliances.  
Class 328. Bessemer machinery—details and arrangements.  
Class 329. Basic process and apparatus.  
Class 330. Acid hearth steel—plant and apparatus.  
Class 331. Crucible steel—plant and apparatus.  
Class 332. Nickel steel.  
Class 333. Manganese iron and steel, chrome steel, aluminum steel, tungsten steel, other forms of steel.  
Class 334. Iron and steel. Bars, rods, sheets, wire.

GROUP 50.

ALUMINUM AND ITS ALLOYS.

- Class 335. Aluminum, pure and commercial; ingots, castings, bars, rods, wire, sheets, and partly manufactured.  
Class 336. Aluminum alloys.  
Class 337. Aluminum alloy wire and wire cloth.  
Class 338. Process for the extraction of aluminum; electric reduction and results.

**GROUP 31.****COPPER AND ITS ALLOYS—METALLURGY.**

- Class 339. Native copper, and the methods of extracting, melting and refining it.
- Class 340. Copper ores and their treatment by fire. Copper smelting. Pneumatic process. Converter system.
- Class 341. Copper extraction in the "wet" way.
- Class 342. Copper in ingots, bars and rolled, with specimens illustrating its various stages of production. Copper and zinc. Brass industry and products regarded as materials of manufacture.
- Class 343. Copper and aluminum, aluminum bronze.

**GROUP 52.****METALLURGY OF TIN, TIN-PLATE, ETC.**

- Class 344. Tin ores and their treatment.
- Class 345. Block tin and its extraction from tin ore.
- Class 346. Tin-plate and methods of cleaning and coating iron and steel plates.

**GROUP 53.****METALLURGY OF ZINC, NICKEL AND COBALT.**

- Class 347. Production of spelter.
- Class 348. Sheet and bar zinc.
- Class 349. Production of zinc oxide.
- Class 350. Nickel in ingots, bars, rods, sheets and wire.
- Class 351. Nickel-covered steel and iron by rolling.
- Class 352. Nickel "plating."
- Class 353. Nickel salts.
- Class 354. Special nickel alloys, as German silver, etc.
- Class 355. Nickel steel. (See Class 332.)

**GROUP 54.****METALLURGY OF ANTIMONY AND OTHER METALS NOT SPECIFICALLY CLASSED.**

- Class 356. Crude and star antimony.
- Class 357. Antimony compounds and principal alloys.
- Class 358. Arsenic, white arsenic, orpiment and realgar.
- Class 359. Bismuth and alloys. Quicksilver and amalgams.

**GROUP 55.****EXTRACTION OF GOLD AND SILVER BY MILLING.**

- Class 360. Gold mills and accessories.
- Class 361. Silver mills and accessories.
- Class 362. Apparatus and accessories of amalgamation; handling quicksilver.
- Class 363. Retorting, melting, stamping, shipping bullion.

**GROUP 56.****EXTRACTION OF GOLD AND SILVER BY LIXIVIATION.**

- Class 364. Roasting and chloridizing furnaces.
- Class 365. Chlorination process and adjuncts.
- Class 366. Other processes.

**GROUP 57.****EXTRACTION OF GOLD, SILVER AND LEAD BY FIRE.**

- Class 367. Furnace plant and appliances.
- Class 368. Lead bullion, molds and bars.
- Class 369. Refining operations.

**GROUP 50**

**QUARRYING AND WORKING STONE.**

- Class 370. Quarrying, channeling and cutting engines.
- Class 371. Derricks and fittings.
- Class 372. Slate-cutting, sawing and planing machines.
- Class 373. Machines and apparatus for cutting, turning and polishing marble, granite and other stone. (See Group 78.)

**GROUP 59.**

**PLACER, HYDRAULIC AND DRIFT MINING.**

- Class 374. Apparatus and machines for washing gravel; sluices, cradles, toms, rockers, riffles, etc.
- Class 375. Construction of ditches, flumes, pen-stocks, etc.
- Class 376. Pipes for conveying water.
- Class 377. "Giants," nozzles and appurtenances.

**GROUP 60.**

**TOOLS AND APPLIANCES OF UNDERGROUND MINING, TIMBERING AND SUPPORTING.**

- Class 378. Timber cutting and framing machines.
- Class 379. Methods of timbering shown by examples.
- Class 380. Underground chutes, gates and appliances for delivering ores. Methods and appliances for ventilating, lighting and signaling.

**GROUP 61.**

**BORING AND DRILLING TOOLS AND MACHINERY, AND APPARATUS FOR BREAKING OUT ORE AND COAL.**

- Class 381. Picks, gads and hammers.
- Class 382. Hand-drills, hammers and blasting implements.
- Class 383. Drilling by steam or compressed air—"power drills."
- Class 384. Diamond drills for prospecting or for sinking and driving.
- Class 385. Well and shaft boring (various systems).
- Class 386. Boring for water, oil, or gas—tools and methods.
- Class 387. Machines, apparatus and implements for cutting coal.

**GROUP 62.**

**PUMPS, ENGINES AND APPARATUS USED IN MINING FOR PUMPING, DRAINING AND HOISTING.**

**GROUP 63.**

**MOVING, STORING AND DELIVERING ORES, COALS, ETC.**

- Class 388. Tramways, turn-tables, automatic hoisting and conveying on the surface, contrivances for loading and unloading ores and coal.
- Class 389. Cars of all kinds.
- Class 390. Automatic dumping.
- Class 391. Ore bins and appliances.

**GROUP 64.**

**APPARATUS FOR CRUSHING AND PULVERIZING.**

- Class 392. Rock breakers.
- Class 393. Rolls.
- Class 394. Large stamps.
- Class 395. Stamps and mortars.
- Class 396. Revolving grinding mills.
- Class 397. Coal breakers.

**GROUP 65.****SIZING APPLIANCES.**

- Class 398. Grizzlies and bar screens and sieves.
- Class 399. Perforated plates.
- Class 400. Wire-mesh sieves and trammels.
- Class 401. Sizing by currents of water or air. Overflows.
- Class 402. Sizing by belts.

**GROUP 66.****ASSAYING APPARATUS AND FIXTURES.**

- Class 403. Plans of assay offices.
- Class 404. Furnaces, muffles and appliances.
- Class 405. Scorification and cupelling.
- Class 406. Volumetric methods and apparatus.
- Class 407. Fluxes and their receptacles.
- Class 408. Assay balances, etc. (See Group 112.)
- Class 409. Assay tables, assay schemes and methods.

**GROUP 67.****HISTORY AND LITERATURE OF MINING AND METALLURGY.**

- Class 410. Maps, relief-models and pictures to illustrate the geology and distribution of minerals and mines and the methods of working mines.
- Class 411. History and statistics of mines and mining districts.  
Charts, diagrams and tabular representations. Statistics of mineral production.
- Class 412. Mine engineering—surface and underground surveying and plotting, projection of underground work, location of shafts, tunnels, etc.; surveys for aqueducts and for drainage.  
Boring and drilling rocks, shafts and tunnels, etc.; surveys for aqueducts and for ascertaining the nature and extent of mineral deposits.  
Construction—sinking and lining shafts by various methods, driving and timbering tunnels and the general operations of opening, stopping and breaking down ore; timbering, lagging and masonry.  
Hoisting and delivering at the surface, rock, ore or miners; pumping and draining by engines, buckets or by adits.  
Ventilating and lighting.

**GROUP 68.****ORIGINALS OR REPRODUCTIONS OF EARLY AND NOTABLE IMPLEMENTS AND APPARATUS USED IN MINING AND METALLURGY.**

# How to Find Exhibitors and Their Exhibits.

The list of exhibitors from the United States will be found in the first portion of this Catalogue, the foreign countries with their exhibits installed in Mines and Mining Building following in alphabetical order. Each country has its exhibits numbered consecutively, and as far as practicable each exhibit has a card attached to it bearing the name of the country and the words "Official Catalogue Number," and that number corresponds with the number in this Catalogue. For example, if a card is found with the following matter thereon:

Department E. Mines and Mining.

United States.

Official Catalogue Number 220

the visitor will turn to 220 in the United States portion of the Catalogue, where will be found the following entry:

220. McCully, Robert, Philadelphia. Rock  
crushers and granulators. R-8 392

It may be that the visitor's attention is first directed to the Catalogue and he may be desirous of finding this exhibit. The first thing he should do is to see what the location is. That being R-8 he will refer to the Key to Installation, which states that in the Mines and Mining Building the columns extending north and south are numbered from 1 to 34, and those extending east and west are lettered from "A" to "U." By this system, each exhibit on the main floor or the gallery has a position of longitude and latitude. The exhibit, therefore, of R. McCully will be found on the main floor at that point where a line drawn from column "R" would intersect with a line drawn from column "8," or in other words, the exhibit can be located on the main floor at the corner of "R and 8th streets."

The class number 392 serves many purposes, and one especially. A visitor, for instance, would like to see all the exhibits of rock crushers in Mines and Mining Building. He immediately turns to the classification grouping, where he will read in group 64, class 392 the following: Rock breakers. He then refers to the list of exhibitors under group 64, and by glancing down the right hand side for 392 finds all exhibitors alphabetically arranged who are exhibiting rock breakers and crushers.

This rule applies to every exhibit in the Mines and Mining Building, whatever its character may be, and by following the above plan the visitor will experience no difficulty in locating the exhibitor or his exhibit.

No attention should be paid to any numbers which may be affixed to exhibits except those appearing on cards in the form given above.

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# Department E.—Mines, Mining and Metallurgy.

## UNITED STATES.

### Minerals, Ores, Native Metals, Gems and Crystals. Geological Specimens.

#### GROUP 42.

#### Minerals, Ores, Native Metals, Gems and Crystals. Geological Specimens.

Exhibit No.	Class'n No.
1. American Tin Plate Association, Pittsburgh, Pa. Collection of minerals.	K-31-g 290
1a. Arizona Territory. Collection copper, gold and silver.	C-10-g 290
1b. Beers, Samuel, Chicago. Magnesite.	B-28-g 291
1c. Carrera, Mrs. J. C., Las Cruces, N. M. Collection of minerals.	C-7-g 290
2. Colorado State. Mineral specimens.	B-9-g 290
3. Crim, A. B., Middleville, N. Y. Carbon and liquid inclusions, crystals, etc.	C-12-g 291
4. Egleston, Prof., New York. Minerals and material used in mines.	C-25-g 291
5. English, George L., & Co., New York.	H-22-g 290
a Mineral specimens.	
b Gems and precious stones.	291
7. Galitzki, L., Chicago. Gold and silver ores.	A-12-g 291
9. Grandemyer, Joseph, Hamilton, Nev. Collection of minerals.	C-9-g 290
10. Hatch, John, San Francisco. California minerals.	C-8-g 291
10a. Holland, John, Cincinnati. Native alloys of iridium with platinum and osmium.	B-23-g 291
10b. Kansas State. Lead ore.	P-3 291
11. Knaz, George F., New York. Mineral collections. Cabinet of meteorites.	B-7-g 290
11a. Landenberger, Geo. W., Philadelphia. Specimens of amethysts and topaz.	C-11-g 291
11b. Maine State. Mineral collection.	B-21-g 290
11c. Massachusetts State. Mineral collection.	B-11-g 290

Exhibit No.	Class'n No.
11d. McClelland, Andrew, Aspen, Colo. Aspen's "Silver Queen" group.	B-13-g 290
11e. Morrison, E. G., Eureka, Nev. Mineral collections.	C-12-g 290
11f. Nevada State. Mineral collection.	B-10-g 290
11g. New York Mineralogical Club, New York, N. Y. Minerals and rocks from New York Island.	B-7-g 290
12. New York State. Mineral specimens.	B-9-g 290
12a. Northern Pacific Railroad Co., St. Paul, Minn.	
a Collection of minerals. Dept. G.	290
b Collection of ores.	291
In two exhibit cars Transportation Building.	
13. Orton, Prof., Columbus, Ohio. Minerals and fossils from Ohio University.	B-8-g 290
13a. Pope, E. O., Cleveland, O. Iron ore.	B-31-g 291
13b. Shapleigh, Waldron, Gloucester City, N. J. Exhibit of ores and salts of the "rare earths."	B-5-g 291
13c. Sorin, T. R., Tombstone, Ariz. Collection of ores and minerals.	B-23-g 290
13d. Tiffany & Co., New York.	
a Collection of minerals systematically arranged.	C-8-g 290
b Collection of cut and uncut gems and precious stones.	291
14. Ulke, Tins, Anaconda, Mont. Tin bearing ores from the Black Hills.	B-24-g 291
15. United States Car Company, Anniston, Ala. Iron ore.	Dept. G 291
16. Ward's Natural Science Establishment.	
a Collection of minerals.	T-28-g 290
b Cabinet of meteorites.	
c Fine Rocks and petrology.	
d Cabinet of marbles.	B-5-g

## Mineral Combustibles, Building Stones, Grinding Substances.

Exhibit No.	Class'n No.
17. Washington State. Collection of minerals and ores.	291
17a. Wilcox, S. W., New Milford, Conn. Barytes, garnets, feldspar, etc.	C-12-g 291

## GROUP 43.

## Mineral Combustibles—Coal, Coke, Petroleum, Natural Gas, etc.

18. Consolidation Coal Co., Baltimore. Column of coal.	S-3 292
18a. Departmental Display of Coal. (See below.)	R-S-21-23-g 292
19. Frick, H. C., Coke Company, Scottsdale, Pa. Coke and coking coal.	S-24-g 292
19a. Georges Creek Coal & Iron Co., Baltimore. Block of coal.	Outside 292
20. Gresley, W. S., Erie, Pa. Diagram of a coal bed.	T-23-g 292
21. Harris, A. W., Oil Company, Providence, R. I. Petroleum lubricants.	T-19-g 294
22. Western house, 85 S. Clark St., Chicago, Ill.	
22a. Kellogg, H. M., Aurora, Neb. Illuminating oil.	294
23. North Western Land & Coal Co., Boston. Compound to promote combustion of coal.	S-2 292
23. Standard Oil Company, New York. Petroleum products of every kind; candles and other products of paraffine wax.	K-3-g 294
24. Union Mining Co., Mount Savage, Md.	U-12-g
24a. Bituminous coal, carbon for electric lights and similar purposes.	292
24b. Asphaltum and forms of pitch.	293

## GROUP 44.

Building Stones, Marbles, Ornamental Stones and Quarry Products.	
24a. American Rose Garnet Co. Decorative stone.	T-17-g 296
25. Auld & Conger, Cleveland, Ohio. Roofing slate.	T-19-g 296
26. Campbell, H. B., Clear Creek, Ind. Building stone.	S-17-g 296
26a. Connecticut State. Building stone.	T-19-g 296
26b. Departmental Display of Building Stone.	S-17-g 296
27. Fort Madison and Appanoose Stone Co., Fort Madison, Iowa. Building stone.	T-19-g 296
27a. Lloyd, William E., Slate Co., Chicago. Roofing slate.	T-20-g 296
27b. Maine State. Collection of granites.	S-17-g 296

Exhibit No.	Class'n No.
27c. Massachusetts State. Collection of building stone.	S-17-g 296
27d. Nevada State. Building stone.	S-17-g 296
28. New England Brownstone Co., Cromwell, Conn. Building stone.	S-17-g 296
29. New Pedrara Onyx Company, New York. Onyx blocks, slabs and columns.	T-17-g 296
30. O'Connor, M. J., Louisville, Ky. Building stone.	S-17-g 296
31. Pritchard, Robert B., Middle Granville, N. Y. Red slate.	T-19-g 296
32. Shaler & Hall Quarry Co., Portland, Conn. Building stone cube.	S-17-g 296
33. Sioux Valley Stone Co., Chicago. Jasper, rough and wrought.	S-17-g 296
34. Vermont State. Collection of marbles.	S-17-g 296
34a. Winsboro Granite Co., Charleston, S. C. Granite.	S-17-g 296

## GROUP 45.

## Grinding, Abrading and Polishing Substances.

35. American Tripoli Company, Carthage, Mo. Tripoli rock and ground goods.	T-14-g 297
Tripoli rock, water filter discs, tubes, etc.	
36. Behr, Herman, & Co., New York. Flint emery papers and cloth, pumice and rotten stone.	S-14-g 297
37. Carborundum Company, Monongahela City, Pa. Crude carborundum, wheels and hones.	C-25-g and T-13-g 297
The most efficient abrasive known for dentists, opticians, machinists, and all metal workers, valve and pump manufacturers, in the form of powder, grains, hones, wheels, cloth, paper, etc., now being introduced in the plate glass industry, substituting the iron runners and sand.	
37a. Colorado Turkey Honestone, Mfg. Co., Denver, Col. Grindstones, hone and whetstones, etc.	T-16-g 297
38. Diamond Mills Emery Co., Philadelphia. Powdered and grained emery.	
38a. O'Connor, M. J., Louisville, Ky. Grindstones.	S-10 297
39. Pittsburg Crushed Steel Company, Pittsburg, Pa. Crushed steel and steel emery.	C-24-g and T-14-g 297
For rapid sawing, polishing, rubbing, grinding granite, marble, stone, onyx, brick, tile, glass, metals, and solid core drilling.	
40. Tanite Company, Stroudsburg, Pa. Emery, corundum, tripoli, rotten stone, etc.	T-15-g 297

## Graphite and Its Products, Limestone, Cement, Sulphur, Fertilizers, Etc.

## GROUP 46.

## Graphite and Its Products; Clays and Other Plastic Materials and their Direct Products; Asbestos, etc.

- | Exhibit No.   | Class'n No.         |
|---|---------------------|
| 41. Bass Furnace Co., Rock Run, Ala. Beauxite for manufacture of aluminum.  | B-28-g 306          |
| 42. Borgner, Cyrus, Philadelphia. Fire brick and clay retorts, etc.   | B-29-g 304          |
| For all kinds of heating and melting furnaces. Large variety in stock. Special shapes to order. Works, 234 N. 23d street. |                     |
| 43. Chisholm, Boyd & White, Chicago. Brickmaking. Clays and shales, bricks.   | S-12-g 304          |
| 44. Cleveland Fire Brick Co., Cleveland, Tenn. Fire brick and clay.   | B-29-g 304          |
| 45. Dixon, Joseph, Crucible Company, Jersey City, N. J.   | T-12-g              |
| a Graphite ore.   | 298                 |
| b Graphite lubricants.  | 300                 |
| c Electrotypers' graphite.  | 301                 |
| d Crucibles and melting pots.   | 308                 |
| 46. Georgia Bauxite and Mining Co., Philadelphia. Beauxite mineral ore.   | A-29-g 306          |
| 47. Illinois Brick and Tile Association, Bushnell, Ill. Natural clay of the State of Illinois.                            | B-8-g 304           |
| 48. Johns, H. W., Manufacturing Company, New York. General collection of asbestos.  | Q-14 and T-11-g 307 |
| 49. Phoenix Manufacturing Company, Taunton, Mass. Graphite crucibles.   | S-11-g 308          |
| 50a. Sall Mountain Asbestos Co., Chicago. Asbestos.   | T-11-g 307          |
| 50. Taylor, Robert J., & Son, Philadelphia. Graphite crucibles, retorts, piping cups, etc.                                | S-10-g 303          |

## GROUP 47.

## Limestone, Cement, Asphalt and Artificial Stone.

51. Acme Cement Plaster Co., Salina, Kas. Cottage built of cement plaster. S-8-g 309  
Manufacturers of the only natural cement plaster in the world. Offices, 161 La Salle street, Chicago, and Salina, Kansas.
53. American Cement Company, Philadelphia. Cement. S-10-g 309  
Mafra, Giant, Egypt, Columbia, Portland cement, and Union and Improved Union cement. Quarters of Egypt, Columbia, Penna., Jordan, N. Y., Portland Cement Wks. Leslie

- | Exhibit No.  | Class'n No. |
|--|-------------|
| & Trinkle, Gen'l Sales Agts. Phila. United Bldg. Material Co., 54 Pine st., N. Y. Agts.; Jas. Brand, Ag't, N. Y. & 34 Clark st., Chicago. 54. Barber Asphalt Paving Co., New York. |             |

a. Technical exhibit of natural asphalt, and its compounds. T-8-9-g 298

b Asphalt, asphaltic cement and paving. 312

The largest Asphalt Paving Company in America. Established 1878. Has laid 6,431,790 yards of asphalt pavement aggregating 422 miles in 35 cities of the United States. Has replaced 2,104,700 yards of other pavements, and none of its pavements have ever been replaced with other material.

55. Canaan Lime Co., Canaan, Conn. Lime. S-7-g 309

56. Coplay Cement Company, Allentown, Pa. Cements and their manufacture.

S-7-g 309

57. Rose, C. H., & Co., Chicago.

a Cement. S-8-g 309

b Cement plaster. 318

58a. Sandusky Portland Cement Co., Columbus, Ohio. Portland cement.

S-7-g 309

59. Trinidad Asphalt Co., New Jersey. Asphalt, paving, etc. T-8-g 312

59a. Warren Chemical & Manufacturing Co., New York. Asphalt. T-10-g 312

The outgrowth of nearly half a century's experience. Warren's "Anchor Brand" Natural Asphalt Roofing Material.

60. Warren-Scharf Asphalt Paving Company, Cincinnati. Asphalt street pavement with method of making. T-10-g 312

## GROUP 48.

## Salts, Sulphur, Fertilizers, Pigments, Mineral Waters, and Miscellaneous Useful Minerals and Compounds.

61. Bathole & Renwick, New York.
- |              |           |
|--------------|-----------|
| a Saltpetre. | S-4-g 314 |
|--------------|-----------|
- Crystals, granulated and powdered. Crude saltpetre and nitrate of soda. Meat packers supplied. All our products warranted pure. Over forty years' experience in the manufacture.
- b Refined brimstone. 317
- Virgin rock, for gunpowder manufacturers. Roll, for bleachers and sanitary purposes. Flour sulphur, especially adapted to the manufacture of rubber and for the drug trade.
- 61a. Departmental Display of.
- |                              |           |
|------------------------------|-----------|
| a Salt (chloride of sodium). | T-6-g 314 |
| b Mineral water.             | 321       |

## Mineral Waters, Minerals, Metallurgy of Iron and Steel, with the Products.

Exhibit No.	Class No.	Exhibit No.	Class No.
62. Manitou Mineral Water Company, Manitou Springs, Col. Mineral waters.	S-7-g 321	73. Carpenter Steel Co., Reading, Pa. Steel specimens.	B-29-g 333
63. Nevada State. Collection of soda salts, etc.	S-5-g 320	74. Chicago Fire-Proof Covering Company, Chicago. Mineral wool, its manufactures and products.	B-29-g 336
65. Roessler & Hasslacher Chemical Co., New York. Chemicals for mining industries.	S-4-g 316	75. Chrome Steel Works, Brooklyn, N. Y. Chrome steel castings, welded chrome steel and iron.	S-14 333
Cyanide, hypo and other chemicals.		76. Crane Elevator Co., Chicago. Steam reversing engines for rolling mills.	Dept. F 323
66. Saratoga Lithia Spring Company, Saratoga, N. Y. Mineral water.	S-7-g 321	77. Crescent Steel Company, Pittsburg, Pa.	
66a. South Carolina State. Phosphate rock.	T-7-g 320	a Open hearth steel, B-29-g and T-30 330	
66b. Welsbach Incandescent Light Co., Gloucester, N. J. Collection of salts and minerals of the rare alkaline earths.	T-4-g 320	b Crucible steel.	331
67. White, T. & S. G., New York. Refined sulphur, virgin rock and flower.	S-5-g 317	c Showing process of manufacture.	
Roll for bleaching Virgin Rock for gunpowder, Sublimed Flowers for drug trade. Pure Sulphur Flour for manufacture of rubber. Business established 1841.		Crucible fine steel the specialty.	
67a. Wyatt, Dr. Francis, New York. General collection of phosphates.	S-5-g 320	78. Easton Testing Laboratory, Easton, Pa. Exhibit of cast iron.	C-31-g 334
GROUP 40.		79. Elbers, A. D., Hoboken, N. J. Blast furnace slags.	B-30-g 332
Metallurgy of Iron and Steel, with the Products.		80. Elwood Ivins Tube Works, Philadelphia. Metal tubing of steel.	B-29-g 334
68. Ahner Doble Co., San Francisco. Test of effects of tempering the heads of steel tools subject to blows and shocks.	A-30-g 329	81. Howe, Henry M., Boston. Steel illustrating effect of heat treatment.	B-30-g 334
69. Alan Wood Company, Philadelphia. Sheet iron and steel.	U-16 334	82. Illinois Fluor Spar & Lead Co., Chicago. Fluor spar and its processes.	B-29-g 322
70. Bethlehem Iron Company, South Bethlehem, Pa.	Dept. G	83. Lancaster, James H., New York. Direct process steel.	HS-12-g 324
70a. Nickel steel.	332	84. Lipe, Chas. E., Syracuse, N. Y. Samples of welding bronze and iron.	B-30-g 334
c Chrome steel.	333	84a. McConway & Torrey Co., Pittsburg, Pa. Small iron specimens.	C-31-g 334
Section 17 in. barrette armor of battleship, wt. 69,000 lbs. Tested to 100,000 lb. plate (nickel-steel, case hardened), weight 30,754 lbs. Full size model 100-ton armor plate ingot. Manufacturers of steel, nickel-steel and "Harverized" armor of any thickness. Rails, billets, blooms, slabs.		85. Meeker, S. J., Newark, N. J. Malleable iron, gray iron and brass castings.	U-15 333
71. Bicknell, G. A., Cleveland, Ohio. Chemical process of puddling.	C-31-g 327	86. Pottstown Iron Company, Pottstown, Pa. Steel plate, blooms, nails, etc.	U-14 333
71a. Boyden, Seth, Newark, N. J. Process for making sheet iron.	A-31-g 326	86a. Rogers, Brown & Co., Cincinnati. Blast furnace products.	B-30-g 332
71b. British Metallurgical Exhibit.		87. Sanderson Bros. Steel Company, Chicago. Tool steel.	T-16 333
a Ores of iron and manganese.	333	87a. Schoenberger & Co., Pittsburg, Pa. Blast furnace products.	B-30-g 332
b Iron and steel.	A-B-C-31-g 334	88. Singer, Nimick & Co., Pittsburg, Pa. Steel.	T-31 333
c Fuel.		89. Solid Steel Company, Alliance, Ohio. Steel castings.	U-26 333
72. Cambria Iron & Steel Works, Johnstown, Pa. Iron and steel.	R-20 334		

## Metallurgy of Iron and Steel, Aluminum and its Alloys, Copper and its Alloys.

Exhibit No. Class'n No.

91. Sterling Steel Company, Pittsburg, Pa. Steel armor piercing projectiles. T-14 334

The Wheeler-Sterling process for armor piercing projectiles is entirely of American origin, and the Ballistic tests show it to be in advance of all other manufacture. Our crucible cast tool steel commands the highest prices in the market, and the steel is of the greatest excellence.

92. Swartz Iron & Steel Co., Chicago. Iron and steel. B-29 and A-30-g 334

The largest scrap iron dealers in Chicago. Daily capacity, 250,000 pounds. Our purchases range from one to 1,000 ton lots. Correspondence with building contractors solicited for old iron or steel material.

93. Tennant, Geo. B., Chicago.

a Bessemer products. B-30-g 328

b Open hearth products. 330

c The metallurgy of iron and steel. 334

94. Trenton Iron Co., Trenton, N. J. Iron and steel wire. Dept. C 334

95. Tyler Tube and Pipe Co., Washington, Pa.

a Charcoal iron blooms. T-21 326

b Charcoal iron tube skelp and boiler tubes. 334

96. United States Car Company, Ansonia, Ala. Dept. G

a Pig iron, coke, clays and limestone. 324

b Puddled balls. 327

97. United States Car Co., Chicago. Merchant iron. Dept. F 334

98. Weimer Machine Works Co., Lebanon, Pa. Blast furnace plans. A-30-g 328

99. Western Mineral Wool Co., Chicago. Mineral wool in bulk, mineral wool insulation minerals. B-29-g 326

100. Wood, W., Dewees Company, Pittsburg, Pa. Iron and steel sheets and plates. T-14-g 324

101. Worthington, H. R., New York. Hydraulic pressure pump. Dept. F 328

## GROUP 50.

## Aluminum and its Alloys.

102. Georgia Bauxite and Mining Co., Philadelphia. Aluminum ores. B-28-g 336

Offices Bazel Building, Philadelphia, Pa. Mines of Bauxite.

103. High, Joseph M., Chicago, W. a Aluminum. B-28-g 335

b Aluminum alloys. 336

Exhibit No. Class'n No.

102a. Penn. Salt Manufacturing Company, Natona, Pa. Manufacture of alumina from cryolite. B-28-g 338

103. Pittsburg Reduction Co., The, Pittsburg, Pa. a Aluminum, ingots, sheet, rod and wire. B-28-g 336

b Model showing process of manufacture. 336

Offices 116 Water St., Pittsburg, Pa. Works at New Kensington, Westmoreland Co., Pa.

104. Richards, Jas. W., Bethlehem, Pa. Aluminum. B-28-g 335

104a. Wight, George, Chicago. a Aluminum. B-28-g 335

b Aluminum alloys. 336

## GROUP 51.

## Copper and its Alloys. Metallurgy.

105. Chicago Copper Refining Company, Blue Island, Ill. Electrolytic copper and its processes. B-28-g 339

105a. Commercial Mining Co., Bisbee, Ariz. Ores from Hackberry mine, copper from Copper Basin. B-24-g 340

106. Copper Queen Consolidated Mining Co., New York. a Copper ores and associated rocks. B-23-g 340

b Treatment of copper by wet method. 341

c Copper ingots. 342

108. Fraser & Chalmers, Chicago. a Lead and copper furnace apparatus. S-29 339

b Copper furnace and converter. 340

109. Marsh, Joseph M., Chicago. Aluminum bronze. B-28-g 343

110. Parrot Silver & Copper Co., Butte, Mont. Concentration and smelting of copper ores. B-23-g 340

111. Randolph & Clowes, Waterbury, Conn. Brass and copper tubing, etc. S-17 342

Manufacturers of seamless drawn brass and copper tubing, brazed tube, sheet copper, sheet brass, brass rods, brass moldings, brass fittings, etc. Manufacturers of Brown Brass patent seamless drawn copper range boiler. Branch offices in Chicago, Cincinnati, New York, Philadelphia and Boston.

112. Sadtler, B., Golden, Col. Copper-silver smelting and refining processes. B-28-g 340

112a. Ullie, Titta, Washington, D. C. Electrolytic refining of copper. B-28-g 339

112b. Wight, George, Chicago. Silicon-bronzed copper. C-28-g 342

## Metallurgy of Tin, Zinc, Antimony, Extraction of Gold and Silver.

## GROUP 52.

## Metallurgy of Tin.

Exhibit No.	Class'n No.
112. American Tin Plate Association, Pittsburgh, Pa. Tin plate. K-31-g	846
A full exhibition of ingredients and different stages of manufacture of American tin plate and black sheet iron.	
112a. British Metallurgical Collection. The metallurgy of tin. A-23-g	845
112b. Ulke, Titus, Washington, D. C. Tin ores and associated minerals.	845

## GROUP 53.

## Metallurgy of Zinc, Nickel and Cobalt.

115. Bertha Zinc & Mineral Co., Pulaski, Va. a Spelter. B-26-g	847
a Manufactured products of zinc. 848	
Mfrs. of the world-renowned "Bertha Pure Spelter," used in the manufacture of artistic statuary, fine brass, cartridge metal, etc. Shows by analysis 99.97 per cent. pure zinc. Address communications to R. T. Wilson & Co., 33 Wall St., New York, U. S. A.	
115a. British Metallurgical Collection. a Zinc ores and products. 848	
b Nickel and cobalt. B & C 29-g	853
116. Emmons Metal Company, New York. a Metallic nickel. C-25-g	850
b Nickel salts. 853	
c Nickel alloys. 854	
117. Empire Zinc Co., Joplin, Mo. Zinc in different stages of production. B-26-g	847
117a. Roessler & Edelman Chemical Co., New York. Electrolytic silver process for base bullion. A-27-g	848
117b. Wharton, Joseph, Camden, N. J. Nickel and cobalt. C-25-g	853
(Proprietor American Nickel Works.) Granular, molten, cast, forged, rolled. Ores, silicides, salts, by-products. Manufactures showing uses of those metals. Exposition prizes, Paris, 1867; Philadelphia, 1876; Vienna progress medal, 1878; Paris gold medal, 1878.	
118. Wisconsin Lead & Zinc Co., Shullsburg, Wis. Reduction of spelter. B-29-g	847

## GROUP 54.

## Metallurgy of Antimony and Other Metals Not Specifically Classified.

119. Christy, Prof. S. B., San Francisco. Quicksilver and metallurgical products. C-25-g	859
--	-----

Exhibit No.	Class'n No.
120. Kunz, George F., New York. Platinum earth, concentrates, coins and photographs. C-23-g	859
120a. Placet & Bonnet, Washington, D. C. a Electrolytic chromium. B-23-g	857
b Chrome alloys and articles. 857	
121. Tiffany & Co., New York. All alloys of gold and silver; methods of saving gold in gold and silversmithing. C-23-g	857
122. Union Electric Co., New York. Lubricating metal. C-25-g	857
123. United States Antimony Company, Philadelphia. Antimony ores showing process of reduction to pure antimony. C-26-g	857

## GROUP 55.

## Extraction of Gold and Silver by Milling.

124. Bridgman, H. L., Blue Island, Ill. Ore supplying machine. B-29-g	860
125. Chicago Iron Works, Chicago. Amalgamating plant. B-22-g	862
General mining machinery. Offices, Olshourn Av. and Willow St., Chicago. Phone N. 418.	
127. Fraser & Chalmers, Chicago, Ill. a Stamp mill. S-20-g	860
b Amalgamating plant. 862	
Machinery for mining, transporting, preparing and crushing ores of gold, silver, copper, tin, lead, etc., by concentrating, milling, smelting, bessemerizing, leaching, chloridizing, wetting, making of boilers, high-grade rollers, haulage, winding engines, Rice & W. Cornish pumps. W.	
128. Granger, Alvin P., Denver, Col. Ore crusher and dry ore separator. S-14-g	860
129. Mechanical Gold Extractor Co., New York. Cr. and gold extracting mills. S-14-g	860
130. Peck, John B., Chicago. Centrifugal ore amalgamator. S-4	861
131. Prospect Mining & Machinery Co., Portland, Ore. Stamp, amalgamator and concentrator. B-16-g	860
132. Raymond Bros., Chicago. Pulverizing machinery. B-16-g	860
135. Seymour, C. E., Lake Geneva, Wis. a Mineral sand separators and separators. S-14-g	862
136. Woodbury, George E., San Francisco. Quartz mill and ore concentrator. S-14-g	860

## Extract of Gold by Lixivation, by Fire, Quarrying, Mining, Tools, Etc.

## GROUP 56.

## Extraction of Gold and Silver by Lixivation.

- Exhibit No. Class'n No.  
 137. Gold and Silver Extraction Mining & Milling Co., Denver, Col. Ore extracting plant. Q-15 364  
 Showing working of the MacArthur-Forrest Process in treatment of refractory gold and silver ores by cyanide solution.  
 138. Russell Process Company, Park City, Utah. Model of leaching plant. B-25-26-g 366

Extraction of silver and gold by wet methods. Occupies the place of, 1st, the Kiss, Patera; or old leaching process; 2d, amalgamation; 3d, smelting of "dry" ores. In use at Vedras, Mexico, Park City, Utah; Aspen, Col., and Batte, Mont.; and now adopted by the Ontario Company, of Park City, Utah.

## GROUP 57.

## Extraction of Gold, Silver and Lead by Fire.

- 140 Chicago Iron Works, Chicago. Smelting and concentrating plants. R-22 367  
 General mining machinery. Office, Clybourn Av. and Willow St. Chicago. Phone N. 418.  
 142. Fraser & Chalmers, Chicago. Lead furnaces. S-29 367  
 143. Tiffany & Co., New York. Saving and reclaiming of gold from floors, dust, washwater, etc. 369

## GROUP 58.

## Quarrying and Working Stone.

- 143a. American Rose Garnet Co., New York. Granite polishing machine. T-10 373  
 144. And & Conger, Cleveland, Ohio. Slate machines and tools; blackboards. T-9 372  
 145. General Electric Company, New York. Channelling machine. Dept. J. 370  
 Electric light and power for quarries.  
 146. Ingersoll-Sergeant Drill Company, New York. Track and bar channellers, rock drills, gadders and quarry bars. Q-19 370

Represented by Parker, Melcher & Ingraham, 100-104 W. Washington St., Chicago.

147. MacKay, H. S., Boston. a Electric drills for underground mining. R-15 370  
 b Electric stone carving machines. 373

Exhibit No.

Class'n No.

148. O'Connor, M. J., Louisville, Ky. Circular channeller. 370  
 148a. Pittsburg Crushed Steel Co., Pittsburg, Pa. Saw gang and stone rubbing bed. T-10-g 373  
 149. Rand Drill Company, New York. Quarry bars. T-25 370  
 151. Spaulding, A. F., Northfield, Vt. Granite and marble finishing machine. U-11 373  
 152. Steam Stone Cutter Company, Rutland, Vt. Stone channeling and quarrying machine. R-9 370  
 Proprietors and makers of the Wardwell stone channeling machine, the first ever invented. Has no equal for efficiency and economy. Will pay for itself in 3 to 6 mo. Cost for cutting sq. ft. of channel 8 to 10 cts; per cubic ft., 1 to 8 cts; about 400 in use which have already saved about \$15,000,000.  
 153. Sullivan Machinery Co., Chicago. Quarrying, channeling and cutting engines. R-7 370

## GROUP 59.

## Placer, Hydraulic and Drift Mining.

154. Bucyrus Steam Shovel & Dredge Co., Bucyrus, Ohio. Placer mining machinery. P-23 374  
 Placer amalgamator for gold. This machine is designed to be used in connection with excavators built by this Company. (See "Transportation.") Capacities from 200 to 1,000 tons per ten hours of placer gravel treated, extracting all the gold. Chicago office, Rookery Building, E. W. Cramer, agent.

## GROUP 60.

## Tools and Appliances of Underground Mining, Timbering and Supporting.

155. Bickerton, T. B. & Co., Philadelphia. Water gauge, anemometer, safety lamps. R-2 380  
 156. Colliery Engineer Company, Scranton, Pa. Safety lamps for mines. T-21-g 380  
 157. General Electric Company, New York. Method of lighting mines; electric blowers, fans and air compressors. Dept. J. 380  
 All kinds of electrical mine apparatus. Highest efficiency power transmission.

## Boring and Drilling Tools and Machinery, and Apparatus for Breaking out Ore and Coal.

## GROUP 61.

## Boring and Drilling Tools and Machinery, and Apparatus for Breaking out Ore and Coal.

- Exhibit No. Class'n No.
153. American Well Works, Aurora, Ill.  
 a Diamond boring, prospecting and sinking machinery. (Outside) 384  
 b Drilling tools, and hydraulic well sinking machinery. 386  
 159. Atkinson, Geo., Oakland, Cal. Well-boring machinery. (Outside) 385  
 160. Austin, F. C., Mfg Co., Chicago. Well drills. 386

We make everything used in connection with well sinking. See these goods in our exhibit in Sec. E-E-11, Agricultural Annex.

- 160a. Beal Mining Core Drill Co., Elyria, Ill. Core drill and tools. S-16 386  
 161. Brown, Samuel S., Pittsburg, Pa. Coal mining machines. S-8 387  
 162. Bullock, M. C., Mfg Co., Chicago.  
 a Hand diamond drill. Q-2 382  
 b Rock drills. 383  
 c Diamond power drills. 384  
 d Well boring rig and derrick. 385  
 164. General Electric Company, New York.  
 a Electric drills. Dept. J 384  
 b Electric coal cutters. 387

Prospecting and percussion drills, mining machinery for all purposes.

165. Ingersoll-Sergeant Drill Company, New York.  
 a Air compressors, straight line, duplex and compound. 388  
 b Drills, tripods and columns. Q-19 383  
 c Coal cutter. 387  
 d Quarry bars and blasting batteries. 387

Represented by Parker, Melcher & Ingraham, 100-104 W. Washington St., Chicago.

166. Jeffrey Manufacturing Company, Columbus, O. T-8  
 a Electric power and air drills. 383  
 b Coal mining machinery. 387

Sole manufacturers—Jeffrey electric coal cutters, drills, motor cars, mining equipments, elevators, and conveying machinery. Branches: Chicago and New York.

168. Keystone Driller Company, Beaver Falls, Pa. Drilling machines. (Outside) 383

For water, oil, gas and mineral test wells. See exhibit in special building located south of Machinery Hall.

160. Kirk, Arthur & Son, Pittsburg, Pa. Mining tools and imitation samples of powder and high explosives. T-15 382  
 169a. Lancaster, James H., New York. Grapples for ore diggers. T-13 381

- Exhibit No. Class'n No.
170. MacKay, H. S., Boston. Electric drill for mining. R-15 383  
 171. McCune, W. A., & Co., Sterling, Ill. Hand and power drills. R-7 383  
 172. Miller, Dr. G. A., Colfax. Gravity torpedo excavator for mining and well boring. (Outside) 385  
 173. Moody & Sherwood, Fresno, Cal. Giant powder fuse cap fastener. R-2 382  
 174. Moreau, Eugene, Philadelphia.  
 a Hand rock drills. R-18 382  
 b Machines. 387  
 Automatic self feeding and self cleaning. Light, strong and portable. Drills rapidly. Easily operated by a lad of ordinary strength. Will drill upward for rock work, downward for shaft sinking, horizontally or at any angle. Can be placed on tripods, columns, or any other form of support. No skill required for perfect work.  
 175. Morgan, A. W., Springfield, Ill. Well-making machinery. (Outside) 386  
 176. Morgan, Kelly & Taneyhill, Waterloo, Iowa. Well-drilling machinery. (Outside) 385  
 178. Oil Well Supply Company, Pittsburg, Pa. Tools and methods for boring for water, oil and gas. (Outside) 386  
 Exhibit in special building located south of Machinery Hall.  
 179. Peoria Coal Drill Works, Peoria, Ill. Coal cutting machine. T-10-g 387  
 179a. Pope, J., & Sons, Manchester, Me. Granite wedges and half rounds. T-10 381  
 180. Rand Drill Company, New York. Air compressors and power drills. T-25 383  
 For mines, tunnels, quarries, railroads, etc. High and low pressure air, gas and liquid compressors, with compound steam and air cylinders, Corliss or Meyer steam valves, piston or mechanical valves. 225 Park Place, New York. Branch office, 1327 Madison Ave., Building, Chicago, Ill.  
 181. Star Drilling & Machine Company, Akron, O. Drilling machines. (Outside) 383  
 182. Sullivan & Machinery Company, Chicago. R-7  
 a Diamond and steam rock drills. 384  
 b Coal mining machines. 387  
 Diamond drills for testing mineral lands. Channelling and gadding machinery for quarries. Mining and entry driving machinery for coal mines.  
 183. Strydom, John, Albany, N. Y. Flexible jointed rods. T-11 383  
 183a. Worthington, Henry R., New York. Water supply pump for diamond drill. Dep't. F 384

## Pumps, Engines and Apparatus used in Mining, Moving and Delivering Ore.

## GROUP 62.

Pumps, Engines and Apparatus used in Mining for Pumping, Draining and Hoisting.

- Exhibit No. Class'n No.
105. American Well Works, Aurora, Ill. Mining pumps. 1-10 (Outside)
106. Bellis, W. L., Cleveland, Ohio. Mine collars. R-2
108. Brown, Samuel S., Pittsburg, Pa. Lift for mines, vessels, etc. S-3
109. Bullock, M. C., Manufacturing Company, Chicago. Air compressors, engines and hoist. P-21
110. Chicago Iron Works, Chicago. Hoisting and pumping engines. R-22
- General Mining Machinery. Office, Clybourn st. and Willow st., Chicago. Phone, N. 418.
111. Coffey Manufacturing Co., Kansas City, Mo. Mine pump. T-16
112. Crane Elevator Co., Chicago. Steam mine hoisting engine and cages. Dept. F
113. Eclipse Wind Engine Company, Beloit, Wis. Pumps, engines and apparatus. Q-18
- Improved duplex steam pumps for all services. Friction hoisting engines.
114. Fraser & Chalmers, Chicago. Hoists. S-29
115. General Electric Company, New York. Electric pumps. Dept. J
- Flat rope high speed hoists; pumps of any capacity or pressure. Use electricity.
116. Goulds Mfg. Co., Seneca Falls, N.Y. Deep mine pump. Dept. J
117. Jeffrey Manufacturing Company, Columbus, Ohio. Electric power pump. T-8
118. Lancaster, James H., New York. Air compressors. T-13
119. Leffel, James, & Co., Springfield, O. Water wheels, horizontal boiler and engines. R-12
120. O'Connor, M. J., Louisville, Ky. Pneumatic excavator. S-10
121. Roots, P. H. & F. M., Co., Connersville, Ind. Blowers, engines, force pumps, gas exhausters, etc. R-25
122. Webster, Camp & Lane, Akron, Ohio. Engine and hoisting plant. P-16
- One pair first motion hoisting or hauling engines. One complete hoisting plant, with engines, boilers, steel head frames and cages for prospecting plant. One Akron Corliss engine. This company manufactures the celebrated "Band Friction" hoists, general mining machinery and Corliss engines.
123. Worthington, H. H., New York. Mine pumps. Dept. F, Sec. H

## GROUP 63.

Moving, Storing and Delivering Ore, Coals, etc.

- Exhibit No. Class'n No.
- 197b. Andrews, W. C., New York. Hydraulic transportation of coal. T-1 388
- 197c. Barker Mine Car and Foundry Co., Springfield, Ill. Model of rotary tippie for dump cars. S-3-g 389
198. Borden & Selleck Co., Chicago. Conveyers and elevators of coal. S-5-A 388
199. Bradley Fertilizers Company, Boston. Elevator roller mill. U-11 388
200. Cotey Car and Manufacturing Company, Chicago. Ore and dump cars and wheelbarrows. T-4 389
201. Fraser & Chalmers, Chicago. Bull-dozers, moulds, cars, pots, etc. S-29 389
202. General Electric Company, New York. Electric locomotives. I-N-33; Dept. J 388
- Electric locomotives, the only economical mine haulage system.
- 202a. Herbertson's J. Sons, Brownsville, Pa. Car wheel, draw bar and coupling safety chain. R-2 389
203. Jeffrey Manufacturing Company, Columbus, Ohio.
- a Elevating and conveying machinery. T-8 388
- b Car for mines. S-29
- Manufacturers largest line of chain belting and special appliances for handling material of all kinds made by any manufacturer in the world. Branches, Chicago and New York.
204. Lancaster, James H., New York. Hoisting machine. S-13 388
- Steam, hand, and electric power for operating the "Lancaster" grapples and dredgers for digging and excavating purposes.
205. Nelsonville Foundry & Machine Co., Nelsonville, Ohio.
- a Haulage engine. R-4 388
- b Mine car wheels. S-29
206. Ottumwa Iron Works, Ottumwa, Ia.
- a Tall rope haulage, engine and fixtures. 388
- b Unchilled self-acting mine car wheel. S-29
207. Pittsburg Coal Exchange, Pittsburg, Pa. Miniature steamboat for coal barges. S-1-g 388
- 207a. Peacock, George, Selma, Ala. Mining car wheels and axles. R-2 389
208. Trenton Iron Company, Trenton, N.J. Wire rope tramway. (In service.) 388
209. Truax Manufacturing Company, Denver, Col. Dumping ore car. S-3 389

## Apparatus for Crushing, Sizing Appliances, Assaying Apparatus and Fixtures.

Exhibit No. Class'n No.  
**210. Watt Mining Car Wheel Company,**  
 Barnesville, Ohio. Mine cars, car wheels,  
 and axles. S-3 889  
 Largest manufacturers of mine cars in  
 U. S. We make the only perfect self oiler.

## GROUP 64.

## Apparatus for Crushing and Pulverizing.

**211. American Manufacturing, Mining & Milling Co.,** Cleveland, Ohio. Crushers and pulverizers Q-19 392  
**212. American Road Machine Co., Kennett Square, Pa.** Stone crusher. Dept. F 392  
**212a. Austin, F. C., M'f'g Co., Chicago.** Rock crusher. 392  
 See these goods in our exhibit, Section A-10, Transportation Annex.  
**213. Bradley Fertilizer Company, Boston.** Roller mills. V-11 396  
 The most successful machine made for pulverizing all refractory substances, such as quartz, ores of all kinds, phosphate rock, carbon, foundry facings, plumbago, Portland rock, cements, etc. Will work either wet or dry, capacity from two to four tons per hour, to 60 mesh or finer.  
**214. Chrome Steel Works, Brooklyn, N.Y.** Castings used for quartz mills and mining purposes. S-14 392  
 a Crushed plates. 393  
 b Roll shells. 394  
 c Shoes and dies. 394

Adamantine battery shoes and dies, and Chrome steel cams, tappets, boss-heads, roll shells and crusher plates. These castings are extensively used in all the mining states and territories of North and South America, and have been found the most economical of any to be obtained.

**216. Gates Iron Works, Chicago.**  
 a Rock and ore breakers. Q-16 392  
 b Cornish rolls. 393  
**219. Lancaster, James H., New York.**  
 a Rock breaker and ore crusher. G-13 392  
 b Combined crusher, rolls and screen. 393  
 c Ore and rock granulators. 396  
 Stamp Mills superseded by "Lancaster" granulators.

**220. McCully, Robert, Philadelphia.** Rock crushers and granulators. R-8 392  
 These improved rock and ore crushers and granulators will crush a given number of tons of any kind of rock or ore in the same time with one-third less power than required by any other crusher now made.

Exhibit No. Class'n No.  
**221. Raymond Bros., Chicago.** Ball pulverizers. R-11 396  
**224. Woodbury George E., San Francisco.** Ore breaker and feeder. T-2 392

## GROUP 65.

## Sizing Appliances.

**225. Aitchison, Robert, Perforated Metal Company, Chicago.**  
 a Grizzlies for placer mining. S-13 398  
 b Perforated plates. 399  
 Sheets for trommels and rolling screens of all sizes and descriptions. Metals of all kinds perforated to accurate sizes.  
**226. Borden & Selleck Co., Chicago.** Coal elevator and screen. S-5 398  
**227. Common Sense Separator Manufacturing Company, Elkhart, Ind.** Separator for sand, gravel, minerals, etc. R-15 398  
 Forsand, gravel, crushed stone, coal, minerals. Hand or steam power. P. F. Poorbaugh, Mgr.  
**228. Fraser & Chalmers, Chicago.** Perforated metal. S-29 399  
**229. Jeffrey Manufacturing Company, Columbus, Ohio.** Revolving screen. T-8 398  
**231. Raymond Bros., Chicago.** Pneumatic separators. R-11 491  
**232. Sackett, H. B., Council Bluffs, Iowa.** Coal and barrel screens. R-1 398

## GROUP 66.

## Assaying Apparatus and Fixtures.

**234. Hoskins, Wm., & Co., Chicago.** Furnaces and blast lamps. S-32-g 404  
**235. Pittsburg Testing Laboratory, Ltd.,** Pittsburg, Pa. Exhibits of specimens tested physically and chemically. R-32-g 403  
 Laboratory and office, 116 Water St., Pittsburg, Pa. Chicago office, 765 The Rookery.  
**236. Richards & Co., Chicago.**  
 a Furnaces, muffles and appliances. S-32-g 404  
 b Scorification and cupelling apparatus. 405  
 c Volumetric methods and apparatus. 406  
 d Assay balances, etc. 408  
 e Assay tables, schemes and methods. 409

## DEPARTMENTAL LABORATORY AND MODEL ASSAY OFFICE.

(In S. E. Cor. East Gallery.)

Practical demonstration of gravimetric and volumetric chemical analysis for assaying and determinative blow-pipe mineralogy.

## History and Literature of Mining and Metallurgy

## GROUP 67.

## History and Literature of Mining and Metallurgy.

- Exhibit No. 377a. American Manufacturer & Iron World, Pittsburg, Pa. Volume of journal. 411
379. Atkinson, George, Oakland, Cal. Model of well boring machinery. 410
380. Barber Asphalt Paving Co., New York. Photographs of pavements, etc. 410
381. Bisbee, Williams & Co., New York. Model of furnace. 410
383. Brumelkamp, J. P., Syracuse, N. Y. Pictures of the salt reservation. 410
385. Brunton, D. W., Aspen, Colo. Model. 410
- 389a. Colorado Scientific Society, Denver, Colo. Proceedings. 411
391. Copper Queen Consolidated Mining Company, Bisbee, Ariz. Models of the underground workings. 410
- Model I. Workings in wood, designed by C. L. Beckwith, made by R. Rundell. Model II. S. W. Stope, from level 3 to 2, showing timbering in square sets, made by H. W. Wood. Model III. Glass; S. W. portion of mine in horizontal and vertical sections, by C. L. Beckwith, assisted by W. Douglas.
- 392a. Departmental display of charts and schemes illustrating metallurgical processes. 411
393. Douglas, James, Bisbee, Ariz. Model of calcining furnace. B-23-g and S-3-g 410
- Office: 99 John Street, New York. Model made by Chris. Thede, assisted by Kohrad Schmid.
- 393a. Eggleston T., New York. Blowpipe reactions. B-24-g 410
394. Elk Hill Coal & Iron Co., Scranton, Pa. Photograph of steel tower and coal breaker. D-32-g 410
- 394b. Engineering News & Railway Journal, Chicago. Volume of journal. 411
395. Frick, H. C., Coke Company, Scottsdale, Pa. Model of coal and coke works. S-24-g 410
396. Gates Iron Works, Chicago. Models of rock breakers and Cornish rolls. Q-16 410
398. Harris, William, Kingston, N. M. Expert mining map. D-32-g 410

## Exhibit

## Class'n

- (No. 259. Howard, James Waite, Chicago. Maps and tables referring to bituminous products. T-9-g 410
260. Howe, Henry M., Boston. Manuscript on metallurgy of copper. B-23-g 411
261. Ives, James T. B., Philadelphia. Strata and Altitude maps. D-32-g 410
262. Kunz, George F., New York. Collection of framed portraits of mineralogists, metallurgists, gem writers, etc. S. W. gal. 410
- 262a. Lancaster, James H., New York. Models of iron ore deoxidizers and melting furnaces for making steel. S-13 410
263. Lehman, George M., Philadelphia. Navassa model. T-2-g 410
264. Moss, Milton, Golden, Colo. Drawings of metallurgical apparatus. 27-B-g 411
265. Olcott, E. E. Photographs of smelting works. B-27-28-g 411
266. Philadelphia Engineering Works, Philadelphia. Blast furnace drawings and models. B-30-g 410
267. Randall, J. B., New Almaden, Cal. Model of New Almaden quicksilver mines. C-25-g 410
268. Rice & Hagelin, Sapinero, Col. Mineral map of Colorado. D-32-g 411
271. Thompson, Charles T., Philadelphia. Models of magnetic iron ore separators. S-2-g 410
272. Trinidad Asphalt Co., New Jersey. Relief model of Pitch Lake on the island of Trinidad. T-8-g 410
274. United States Geological Survey, Washington, D. C. Statistical pyramid of minerals and metals. K-4 411
276. Walburn Swenson Co., Chicago. Model of works for concentrating low grade ores. S-2-g 410
277. Ward, Henry A., Rochester, N. Y. Relief maps. T-28-g 410
- 277a. Ward, W. S., Denver, Col. Mining models. S-3-g 410
278. Webster, Camp & Lane, Akron, Ohio. Photographs and plans of mining plants. P-16 410
- 278a. Wendt, Arturo F., New York City. Photographs of metallurgical works. B-26-g 410
- 278b. Weimer Machine Works, Lebanon, Pa. History of blast furnace practice. B-29-g 410

Originals of Notable Implements; Products of Fisheries; Portraits of Great Inventors.

**GROUP 68.**

**Originals or Reproductions of Early and Notable Implements and Apparatus used in Mining and Metallurgy.**

Exhibit	Class'n
No.	No.

279. Department exhibit of transparencies illustrating ancient methods of mining and metallurgy. S. W. gal.

280. Lynn, City of, Mass. First iron casting ever made in America. B-31-g

**Exhibits Classified in Other Departments, but Installed in This.**

**DEPARTMENT D.**

**GROUP 40.**

**Products of the Fisheries and Their Manipulation.**

281. Kunz, George F., New York. Wampum made from New Jersey shells. 278

**DEPARTMENT M.**

**Portraits of Great Inventors and Others who Have Contributed Largely to the Progress of Civilization and the Well Being of Man.**

282. Kunz, George F., New York. Engraving of mineralogists, geologists, gem writers, etc. Busts, portraits and medals of famous mineralogists, metallurgists, etc.

# General's Final Report to the Department

General's Final Report to the Department

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# Collective Exhibit made by the Department of Mines, Mining and Metallurgy.

## BUILDING STONE.

### LOCATION-S-17-g.

### GROUP 44.—CLASS 296.

Exhibit  
No.

### CALIFORNIA.

1. Barara Marble Co., Amador Co. Marble.

### COLORADO.

2. Yule Creek Bed.  
a Marble.  
b Limestone.
3. Castle Rock Stone Co., Douglas Co.  
a Lava stone.  
b Pink lava stone.
4. Mesa Co.  
a Drab sandstone.  
b Green sandstone.  
c Pink sandstone.  
d Red sandstone.  
e White sandstone.  
f Gray sandstone.
5. Ackroyd, A., Plateau. Lava stone.
6. Geddis & Seerie, Platte Canon. Pink granite.
7. Siles & Busll, Lyons. Red sandstone.
8. Greenlee & Son, Colorado City. Red sandstone.
9. Fort Collins. Red sandstone.
10. Trowbridge, G. E., Larimer Co. Light sandstone.
11. Geddis & Seerie, Gunnison Co.  
a Granite.  
b Gray granite.

### CONNECTICUT.

12. Boot Bros., New London. Granite.
13. New England Brownstone Co., Cromwell. Sandstone.
14. Crissey, R. I., Norfolk. Granite.
15. Burnham, H. C., Hadlyme. Granite.
16. Garvey Bros., Sterling. Granite.
17. Walcott, Chas. O., Buckland. Red sandstone.

Exhibit  
No.

### ILLINOIS.

18. Grafton Quarry Co., Jersey Co. Limestone.
19. Chicago & Naperville Stone Co., Naperville. Limestone.

### INDIANA.

20. Romona Oolitic Stone Co., Romona.  
a Limestone.  
b Oolitic limestone.
21. Indiana Greenstone Co., Kickapoo. Green sandstone.
22. Bedford Stone Quarries, Bedford.  
a Oolitic limestone.  
b Limestone.
23. White Rine Quarry Co., Bedford. Limestone.
24. Berry, Mathews & Busknip, Bedford. Oolitic limestone.
25. Mathews Bros., Ellitsville. Limestone.

### IOWA.

- Fort Madison & Appanoose Stone Co., Fort Madison. Sandstone.
  27. Lyon Co. Sandstone.
  28. Thompson, J. K. P., Lyon Co. Quartzite.
  29. Hutchinson, Frank, Johnson Co. Blue limestone.
  30. Speele, W. A., Marion Co. Light limestone.
  31. Crowley, Jas., Johnson Co. Limestone.
  32. Chamberlin, W. H., Buchanan. Blue granite.
  33. Polk, Jeff S., Marion Co.  
a Red and white sandstone.  
b Red sandstone.
  34. Fairchild, T., Johnson Co. Limestone.
  35. Green, J. A., Jones Co. Gray limestone.
  36. Williams, Wilkes, Almaker Co. Buff limestone.
- ### KENTUCKY.
37. Bowling Green Stone Co., Memphis Junction. Limestone.

## Building Stones.

## MAINE.

- Exhibit No.
3. Pleasant River Granite Co., Dalsotville.  
a Red granite.  
b Granite.
3. Mallet, E. B., Freeport. Granite

## MARYLAND.

4. McClenaham Bros., Port Deposit. Granite.

## MASSACHUSETTS.

4. Grubb, Louis D., Lowell. Pink granite.

## MICHIGAN.

2. The Portage Eddy Quarries, Portage.  
a Sandstone.  
b Purple sandstone.  
c Streaked sandstone.  
d Red sandstone.
3. Waverly Stone Co., Hotland. Sandstone.

## MINNESOTA.

4. Babcock, C. W. & Co., Kasota. Pink stone.

## MISSOURI.

45. Missouri Marble Co., South Greenfield. Marble.

## MONTANA.

4. N. W. Stone & Supply Co., Ulm. Sandstone.

## NEW YORK.

47. Clinton. Clinton sandstone.
4. St. Lawrence Marble Co., St. Lawrence. Marble.
4. Vanderwoort, Z. W., Grange. Dark limestone.
5. Howe's Cave. Limestone.
5. Jones, H. & R., Prospect. Trenton limestone.
5. Slade, Chas., Saratoga. Calciferous sandstone.
53. Poughkeepsie. Potsdam limestone.
54. Rhinecliff. Hudson river sandstone.
55. Malden. Hudson river sandstone.
5. Le Roy. Corniferous limestone.
57. Clarke, T. G., Oxford. Corniferous limestone.
5. Medina. Medina sandstone.
5. Shaw, A. & Co., Schenectady. Hudson river sandstone.

## Exhibit No.

60. Van Dewet, B. W., Lockport. Niagara limestone.
61. Marble Corners. Marble.
62. Pierson, F. S., Onondaga. Onondaga limestone.
63. Ramo. Granite.
64. Aurable Granite Co., Kusville. Granite.
65. Hughes Bros., Oswego Falls. Sandstone.
66. Pleasantville. White marble.
67. Belmont. Devonian sandstone.
68. Walten. Diabase.
69. Sing Sing. White limestone.
70. Tuckahoe. Tuckahoe marble.
71. Greenfield. Syenite.
72. Rondont. Portage sandstone.
73. Fulton. Medina sandstone.
74. Port Henry. Potsdam sandstone.
75. Dutchess Co. South Dover marble.
76. Pearyn. Green slate.
77. Saratoga. Gneissoid granite.
78. Sandy Hill Quarry Co., Sandy Hill. Califerous limestone.
79. Portage. Portage sandstone.
80. Nyack. Triassic sandstone.
81. Stissing. Acadban sandstone.
82. Rock Glen. Portage sandstone.
83. Rochester. Niagara limestone.
84. Dibble, Alfred, Belvedere. Chaumont sandstone.
85. Glen Falls. Trenton limestone.
86. Gotts, M., Medina. Medina sandstone.
87. Palatine Ridge. Trenton limestone.
88. Staten Island. Trap diabese.
89. Clarkson, T. S., Potsdam. Potsdam sandstone.
90. Willsboro. Chazy limestone.
91. Gowdy, Hiram, Lowville. Trenton limestone.
92. Whitehall. Trenton marble.
93. Shaper, A. E., Canajoharie. Trenton limestone.
94. Chaumont. Trenton limestone.
95. Hindsburg. Sandstone.
96. Briggs, D. S. & Son, Tughanock. Tughanock bluestone.
97. Three Mile Bay. Trenton blue limestone.
98. Smith, P. B., Union Springs. Onondaga limestone.
99. Burnhams & Brainard, Saugerties. Hudson river sandstone.
100. Thomas & Babcock, Waterloo. Corniferous limestone.
101. Seymonss, A. D., Elmira. Chemung limestone.
102. Colorado Springs. Granite.

## Building Stone and Coal.

Exhibit  
No.

103. Riley, Wm., Gobelskill, Corniferous limestone.  
 104. Hewitt, F. C., Amsterdam, Trenton limestone.  
 105. Callahan, P., Bethlehem, Limestone.  
 106. King Granite Co., Garrison, Granite.  
 107. Foery & Kastoner, Rochester, Medina limestone.  
 108. Kusville, Sandstone.  
 109. Rondont, Sandstone.  
 110. Kingston, Sandstone.

## OHIO.

111. Elyria Stone Co., Elyria, Sandstone.

## TENNESSEE.

112. Brown, J. Oellig, Blount County, Marble.  
 113. Godfrey, T. S., Knoxville,  
 a Marble.  
 b Gray Knox marble.  
 114. Brown, J. Oellig, Knox County, Marble.

## UTAH.

115. Morris, Elias, Little Cottonwood Canon, Granite.  
 116. Diamond Creek Stone Co., Diamond Creek, Red sandstone.  
 117. Pyrene Stone Co., Salt Lake City, Sandstone.  
 118. Morris, Elias, San Pete Co., Conglomerate.

## VERMONT.

119. True Blue Marble Co., Rutland,  
 a Dark mottled marble.  
 b Ex. dark mottled marble.  
 c Dark vein marble.  
 120. Vermont Granite Co., West Rutland, Ex. dark blue marble.  
 121. Vermont Marble Co., Proctor,  
 a White marble.  
 b Dark marble.  
 c Light Portland and Italian marble.  
 122. Whitmore & Morse Granite Co., Barre,  
 a Granite.  
 b Gray granite.

## VIRGINIA.

123. Lillet, Jno R., Manassas, Sandstone.

## WISCONSIN.

Exhibit  
No.

124. Milwaukee Granite Co., Milwaukee, Granite.  
 125. Hartley Bros., Bayfield Co., Brown sandstone.  
 126. Ulmer, Wm. H., Dannville, Brown sandstone.  
 127. Arcadian Brownstone Co., Superior, Brown sandstone.  
 128. Berlin Granite Co., Berlin, Granite.  
 129. The Prentiss Brownstone Co., Ashland, Purple sandstone.  
 130. Prentiss, F., Wilson or Hermit Island, Sandstone.  
 131. Henman, Henry, Outagamie Co., Purple sandstone.  
 132. Outagamie Co., Gray limestone.

## COAL.

The Dept. of Mines and Mining makes the Following Technical Display of the Coals of the United States;

## LOCATION—R-S-21-23-g.

2. Aberdeen Coal & Mining Co., Morgantown, Ky. Coal.  
 3. Acme Coal Co., South Prairie, Wyo. Coal.  
 4. Alabama Consolidated Coal & Coke Co., Connellsville, Ala. Coal.  
 5. Alexandria Coal Co., Greensburg, Pa. Coal.  
 6. Allegheny Coal Co., Argentine, Pa. Coal.  
 7. Allen Coal Co., Dell Roy, Ohio. Coal.  
 8. Allen & Williams, Rich Hill, Mo. Coal.  
 9. American Cannel Coal Co., Canneltown, Ind. Coal.  
 10. American Coal Co., Lenaconing, Mich. Coal.  
 11. Arnot & Lanyon, Pittsburg, Kas. Coal.  
 12. Ashland Coal & Iron Ry. Co., Coalton, Ky. Coal.  
 13. Atoka Coal & Mining Co., Lehigh, Ind. Ter. Coal.  
 15. Bailey, Wilson & Co., Camden, Pa. Coal.  
 16. Baker, L., Oswego, Kas. Coal.  
 17. Barnaby, C., Sturgis, Ky. Coal.  
 18. Baskett Coal Co., Baskett, Ky. Coal.  
 19. Bates, William H., Winchester, Ill. Coal.  
 20. Battle Creek Coal Co., South Pittsburg, Tenn. Coal.

# Technical Supply of Coal

Exhibit No.	Class No.	Exhibit No.	Class No.
21. Bell, Lewis & Yates Coal Mining Co., Reynoldsville, Pa. Coal.	292	50. Campbell's R., Nevada, bit. sm. Coal.	292
22. Big Muddy Coal & Iron Co., Musphersboro, Ill. Coal.	292	51. Cambria Iron Co., Johnstown, Pa. Coal.	292
23. Black Butte Coal Mining Co., Black Butte, Wyo. Coal.	292	52. Campbell's Creek Coal Co., Malden, W. Va. Coal.	292
24. Blackbird Coal Co., Blackbird, Mo. Coal.	292	53. Cap. & Barred Coal Co., Wadsworth, Ohio. Coal.	292
25. Black Diamond Coal Co., Dunreath, Ia. Coal.	292	54. Carl's, C. A., Sons, Carlton, Ohio. Coal.	292
26. Black Diamond Coal Mining Co., Seattle, Wash. Coal.	292	55. Catson, H., Fairview, Utah. Coal.	292
27. Blach, John, Mandan, N. Dak. Coal.	292	56. Carpenter, Henry, Clinton, Mo. Coal.	292
28. Blair & Blair, Wytheville, Va. Coal.	292	57. Casterville Coal Co., Cartersville, Ga. Coal.	292
29. Blossburg Coal Co., Arnot, Pa. Coal.	292	58. Carter, William T. & Co., Beaver Meadow, Pa. Coal.	292
30. Blue Canyon Coal Mining Co., New Whitcom, Wash. Coal.	292	59. Carter Coal Co., Plymouth, W. Va. Coal.	292
31. Boggs Run Mining & Mfg Co., Wheeling, W. Va. Coal.	292	60. Caswell Creek Coal & Coke Co., Freemans, W. Va. Coal.	292
32. Book Cliff Coal Co., Grand Junction, Col. Coal.	292	61. Cedar Grove Mining Co., Cedar Grove, W. Va. Coal.	292
33. Booth-Bowen Coal & Coke Co., Freemans, W. Va. Coal.	292	62. Cedar River Coal Mining Co., Cedar Mountain, Wash. Coal.	292
34. Bowers & Robbins, Livingston, Mont. Coal.	292	63. Central Coal & Iron Co., Central City, Ky. Coal.	292
35. Breckenridge Company (Limited), Cleveland, Ky. Coal.	292	64. Central Pacific Coal & Coke Co., Moroni, Utah. Coal.	292
36. Breckenridge & Pineville Syndicate, Pineville, Ky. Coal.	292	65. Chapman Coal Co., Jackson, Ohio. Coal.	292
37. Brighton Coal & Mining Co., Harkness, Kas. Coal.	292	66. Chartiers Block Coal Co., Pittsburg, Pa. Coal.	292
38. Brookfield Coal Co., Sharon, Pa. Coal.	292	66a. Cherry Valley Iron Works, Lebanon, Ohio. Coal.	292
39. Browns, William H. Sons, Pittsburg, Pa. Coal.	292	67. Chicago Coal Co., Seymour, Ia. Coal.	292
40. Brundage, George, & Sons, Sheridan, Wyo. Coal.	292	68. Chicago, Wilmington & Vermillion Coal Co., Streator, Ill. Coal.	292
41. Bryson Mt. Coal & Coke Co., Middleborough, Ky. Coal.	292	69. Chicago & Ohio Coal & Car Co., Glen Echo, Ohio. Coal.	292
42. Buckeye Coal Co., Angus, Ia. Coal.	292	69a. Chilton, W. E., Charleston, W. Va. Coal.	292
43. Buery Coal & Coke Co., Stone Cliff, W. Va. Coal.	292	70. Choctaw Coal & Railway Co., McAlester, Ind. Ter. Coal.	292
44. Buery, William, Cooper & Co., Buery, W. Va. Coal.	292	71. Choctaw Coal & Railway Co., Harts Horn, Ind. Ter. Coal.	292
45. Buckeye Coal & Coke Co., Freemans, W. Va. Coal.	292	72. Christian, Jacob, Mandan, N. Dak. Coal.	292
46. Burlingame Coal & Mining Co., The Burlingame, Kas. Coal.	292	73. Citizens' Coal Co., Baldwin, Col. Coal.	292
47. Carey-Baker Coal Co., Monteville, Mo. Coal.	292	74. Citizens Coal Co., Lincoln, Ill. Coal.	292
48. Cathedral Coal Co., Gallup, N. M. Coal.	292	75. Clark, George, Brookfield, Mo. Coal.	292
49. Cambria Mining Co., Cambria, Wyo. Coal.	292	76. Clayton, W. F., Beaver Falls, Pa. Coal.	292

## Technical Display of Coal

Exhibit No.	Class No.	Exhibit No.	Class No.
780 Clearfield Coal Co., Tyler, Pa. Coal.	292	108 Decatur Coal Co., Decatur, Ill. Coal.	292
790 Coal Creek Coal Co., Knoxville, Tenn. Coal.	292	109 Despard Gas Coal Co., The, Clarksburg, W. Va. Coal.	292
800 Coaldale Mining & Mfg. Co., Blensburg P. O., W. Va. Coal.	292	110 Diamond Coal Co., Centerville, Ia. Coal.	292
810 Coalburg Coal & Coke Co., Gering, Ala. Coal.	292	111 Dixon, C., Vandalia, Mo. Coal.	292
820 Coal Valley Coal Co. & Cable, Ill. Coal.	292	112 Dwyer Coal Co., Ft. Scott, Kas. Coal.	292
830 Coal Valley Mining Co., Golden, Ill. Coal.	292	113 Dunlap Coal Co., Brownstown, Mo. Coal.	292
840 Colorado Fuel & Coal Co., Las Animas, Col. Coal.	292	114 Dunlop Coal Co., Dunlop, W. Va. Coal.	292
850 Colorado Fuel & Coal Co., Denver, Col. Coal.	292	115 Eastern Ky. Ry. Co., Greensburg, Ky. Coal.	292
860 Colorado & Eastern Railroad, Denver, Col. Coal.	292	116 Eastern Ky. Ry. Co., Riverton, Ky. Coal.	292
870 Colton, Miss. Sarah L., Burlington, N. Dak. Coal.	292	117 East Peoria Coal Co., East Peoria, Ill. Coal.	292
880 Columbus Coal Co., Columbus, Kas. Coal.	292	118 East Tennessee Mining Co., Harpman, Tenn. Coal.	292
890 Columbus Coal & Mining Co., Franklin Station, Ohio. Coal.	292	119 Ellsworth, James W., Cleveland, O. Coal.	292
900 Connelville & Ursina Coal & Coke Co., Scottdale, Pa. Coal.	292	120 Emerson, R. H., & Co., Jackson, Mich. Coal.	292
910 Connor, J. J., Hamilton, Wash. Coal.	292	121 Empire Coal Co., Gilchrist, Ill. Coal.	292
920 Consolidated Coal Co., Frostburg, Md. Coal.	292	122 Empire Coal & Mining Co., Empire, Ky. Coal.	292
930 Consolidated Coal Co., St. Louis, Mo. Coal.	292	123 Empire Coal & Railroad Co., Antioch, Cal. Coal.	292
940 Consolidated Coal Co., Trenton, Ill. Coal.	292	124 Equality Coal Co., Equality, Ill. Coal.	292
950 Consumers' Coal & Mining Co., Spillman, W. Va. Coal.	292	125 Eureka Coal and Coke Co., Langston, W. Va. Coal.	292
960 Cooper Coal Co., Short Creek, W. Va. Coal.	292	126 Evans, J. Z., Avery, Ia. Coal.	292
970 Corder Coal & Coke Co., Corder, Mo. Coal.	292	127 Evans, S. B., Reiter, Tenn. Coal.	292
980 Crooked Creek R. R. & Coal Co., Lehigh, Pa. Coal.	292	128 Fairmont Coal & Coke Co., Fairmont, Pa. Coal.	292
990 Cumberland Coal Co., Stuttgart, Ky. Coal.	292	129 Fairmont Coal & Coke Co., New Bethlehem, Pa. Coal.	292
1000 Cuming & Co., Sparland, Ill. Coal.	292	130 Fannington Coal Mining Co., Fannington, Ia. Coal.	292
1010 Clyde Coal Co., Boone, Ia. Coal.	292	131 Ferguson, Splint Coal Co., Ferguson, W. Va. Coal.	292
1020 Coal City Coal & Coke Co., Birmingham, Ala. Coal.	292	132 Filler, Smith & Co., Sharon, Pa. Coal.	292
1030 Coal Bluff Mining Co., Terre Haute, Ind. Coal.	292	133 First Pool Monongahela Gas Coal Co., Pittsburgh, Pa. Coal.	292
1040 Davis, H. G., Coal Co., Davis, W. Va. Coal.	292	134 Foote, Robert, Buffalo, W. Va. Coal.	292
1050 Davis, H. G., Evans, W. Va. Coal.	292	135 Fork Ridge Coal Co., Middleboro, Ky. Coal.	292
1060 Davis, H. G., & Co., Montgomery, W. Va. Coal.	292	136 Frick, H. Co. & Coke Co., Greensburg, Pa. Coal.	292
1070 Dayton Coal & Iron Co., Ches. Ltd., Dayton, Tenn. Coal.	292	137 Frick, H. Co. & Coke Co., Mt. Pleasant, Pa. Coal.	292

Technical Display of Coal.

Exhibit No.	Class'n No.
155. Fulton Fire Brick & Mining Co., Fulton, Mo. Coal.	292
156. Galloway Coal Co., The, Galloway, Ala. Coal.	292
157. Georges Branch Cannel Coal Co., Jackson, Ky. Coal.	292
158. Georgia Mining & Manufacturing Co., Chattanooga, Tenn. Coal.	292
159. Gibson, William, Ashley, Utah. Coal.	292
160. Gillis, James G., Lander, Wy. Coal.	292
161. Glasgow Coal Co., Marshfield, Ore. Coal.	292
162. Glendale Coal & Mining Co., Bellville, Ill. Coal.	292
163. Glen Mary Coal & Coke Co., Glen Mary, Tenn. Coal.	292
164. Glenwood Coal Co., Glen Campbell, Pa. Coal.	292
165. Glenwood Coal Co., Navarre, Ohio. Coal.	292
166. Gomersal Coal Co. (Limited), Youngstown, Ohio. Coal.	292
167. Goodwill Coal & Coke Co., The, Goodwill, W. Va. Coal.	292
168. Great Western Mining & M'fg Co., Peach Orchard, Ky. Coal.	292
169. Green, W. R., Ashley, Utah. Coal.	292
170. Haddix Cannel Coal Co., Louisville, Ky. Coal.	292
171. Hamilton Cannel Coal Co., Boyers, Pa. Coal.	292
172. Hamilton Coal Co., Hamilton, Mo. Coal.	292
173. Hardien Coal Co., Selva, Ill. Coal.	292
174. Harper, John, Flint, Ill. Coal.	292
175. Harley & Marshall, Pittsburgh, Pa. Coal.	292
176. Hartman & Weil, Las Vegas, N. M. Coal.	292
177. Hawkeye Coal Co., Ottumwa, Ia. Coal.	292
178. Hawserville Coal Co., Hawserville, Ky. Coal.	292
179. Helvetia Mines, Helvetia, Pa. Coal.	292
180. Hemley, Rhoades & Co., Castle Hook, Coal.	292
181. Hicks, A. H. & A., Coalbrook, Pa. Coal.	292
182. Higbee Coal & Mining Co., Higbee, Mo. Coal.	292
183. Hillsboro Coal Co., Hillsboro, Ill. Coal.	292
184. Hillsdale Coal & Iron Co., Scranton, Pa. Coal.	292

Exhibit No.	Class'n No.
166. Hoffman, C. W., Bazemans, Mont. Coal.	292
166a. Hoosier Coal Co., Chicago, Cook, Ill. Coal.	292
167. Home Coal Co., Coalville, Utah. Coal.	292
168. Hope Spfint Coal Co., The, Montgomery, W. Va. Coal.	292
169. Howell, W. H., Harrisburg, Ill. Coal.	292
170. Hoyt, L. S., Hoytdale P. O., Pa. Coal.	292
171. Huntley, David, Yantic, Mont. Coal.	292
172. Hutson Coal Co., The, Deerfield, Ohio. Coal.	292
174. Irvona Coal Co., Coalport, Pa. Coal.	292
175. Island Coal Co., Linton, Ind. Coal.	292
176. Johnson & McCarthy, Bozeman, Mont. Coal.	292
177. Jones, Mrs. A. M., Jackson, Mich. Coal.	292
178. Jones & Gage Mining Co., Jackson, Mich. Coal.	292
179. Juhling Coal Co., Hartford, W. Va. Coal.	292
180. Jutte, C. & Co., Pittsburg, Pa. Coal.	292
181. Kansas City Clay & Coal Co., Kansas City, Mo. Coal.	292
182. Kansas & Texas Coal & Coke Co., St. Louis, Mo. Coal.	292
183. Kasley, F. E. & Son, Wheeling, W. Va. Coal.	292
184. Keath & Perry Coal Co., Scammon, Kas. Coal.	292
185. Kellyville Coal Co., Danville, Ill. Coal.	292
186. Kentucky Union Land Co., Jackson, Ky. Coal.	292
187. Kerr, John, Rushville, Ill. Coal.	292
188. Kettle Creek Coal Mining Co., Bituminous, Pa. Coal.	292
189. Kimball, O. G., Scofield, Utah. Coal.	292
190. Kimble Iron Co., Riddlesburg, Pa. Coal.	292
191. Kingston Coal Co., Kingston, Mo. Coal.	292
192. King, William, Ewing, Ill. Coal.	292
193. Kinney, Augustus C., Astoria, Ore. Coal.	292
195. Kinger & Schaefer, Blacksburg, Va. Coal.	292
196. Knch Coal Co., Brownsville, Pa. Coal.	292

## Technical Display of Coal.

Exhibit No.	Class'n No.
197. Lady-Basley Coal & Transportation Co., The, Horse Creek, Ala. Coal.	292
198. Lamberth Coal Mining Co., Hopewell, Pa. Coal.	292
199. LaPage, Charles, Choteau, Mont. Coal.	292
200. Leach, George H., Elston, Mo. Coal.	292
201. Leavenworth Coal Co., Leavenworth, Kas. Coal.	292
202. Leechburg Coal Co., Leechburg, Pa. Coal.	292
203. Lehigh Coal & Mining Co., Dickinson, N. Dak. Coal.	292
204. Lehigh Valley Coal Co., Snow Shoe, Pa. Coal.	292
205. Lehigh & Wilkesbarre Coal Co., Audenried, Pa. Coal.	292
206. Lenneville, Moses, Dickinson, N. Dak. Coal.	292
207. Lentz-Lilly & Co., Park Place, Pa. Coal.	292
208. Lexington Coal & Mining Co., Lexington, Mo. Coal.	292
209. Lexington Carter County Mining Co., Mt. Savage, Ky. Coal.	292
210. Liberal Coal Co., Liberal, Mo. Coal.	292
211. Lilly Coal Co., Lilly, Pa. Coal.	292
212. Lilly Mining & M'fg Co., Lilly, Ky. Coal.	292
213. Lincoln Coal Co., Lincoln, Ill. Coal.	292
214. Listic Mining & M'fg Co., Somerset, Pa. Coal.	292
215. Litchfield Coal Co., Litchfield, Ill. Coal.	292
216. Little, S. W., Little's P. O., Ind. Coal.	292
217. Livingston Coke & Coal Co., Cokedale, Mont. Coal.	292
217a. Louisville Coal & Coke Co., Flipping, W. Va. Coal.	292
218. Lucas & Cleveland Co-operative Coal Co., Lucas, Ia. Coal.	292
219. Mabel Mining Co., Warrior, Ala. Coal.	292
220. Madeira Coal Co., Vinton Station, Ohio. Coal.	292
221. Markle, G. B., & Co., Jeddo, Pa. Coal.	292
221a. Marks, Thos., Dixon, Ky. Coal.	292
222. Maryland Coal Co., Lonaconing, Md. Coal.	292
223. Mary Lee Coal & Railroad Co., The, Birmingham, Ala. Coal.	292
224. McCluey, Robert, Sylvania, Mo. Coal.	292

Exhibit No.	Class'n No.
225. McClure Coke Co., Scottsdale, Pa. Coal.	292
226. McCormick, G. B., Birmingham, Ala. Coal.	292
227. McHenry Coal Co., McHenry, Ky. Coal.	292
227a. Meadow Creek Coal & Coke Co., Meadow Creek, W. Va. Coal.	292
228. Means, Kyle & Co., Hanging Rock, Ohio. Coal.	292
229. Memphis Coal & Mining Co., Beaver, Ky. Coal.	292
230. Mendota Coal & Mining Co., Mendota, Mo. Coal.	292
231. Mercer Iron & Coal Co., Stoneboro, Pa. Coal.	292
232a. Mill Creek Coal & Coke Co., Mill Creek, W. Va. Coal.	292
233. Mine Creek Coal Co., Pleasant, Kans. Coal.	292
234. Mingo Mt. Coal & Coke Co., Middleborough, Ky. Coal.	292
235. Mitchell, Winfred S., Farmington, N. M. Coal.	292
236. Mitchell & Co., John H., Little Rock, Ark. Coal.	292
237. Monarch Coal Co., Dennison, Ohio. Coal.	292
238. Monero Coal Co., Monero, N. M. Coal.	292
239. Monongah Coal & Coke Co., Monongah, W. Va. Coal.	292
240. Montana Coal & Coke Co., Fairmont, W. Va. Coal.	292
241. Montevallo Coal & Transportation Co., Alrich, Ala. Coal.	292
242. Morgan, Moore & Blaine Co., Whittsett, Pa. Coal.	292
243. Morgan Run Coal & Mining Co., Coshocton, Ohio. Coal.	292
245. Morris Coal Co., Joss, Ohio. Coal.	292
246. Morris Run Coal Mining Co., Morris Run, Pa. Coal.	292
247. Mountville Coal Co., Mountville, Va. Coal.	292
248. Mountain House Coal Co., Bozeman, Mont. Coal.	292
249. Mt. Carbon Coal Co., Powellton, W. Va. Coal.	292
250. Mulholland, Gus, Gallup, N. M. Coal.	292
251. Munkres & Mather, Bunker, W. Va. Coal.	292
252. Mutual Mining Co., Cannellburg, Ind. Coal.	292
253. Newberry Ona Coal & Coke Co., Tryconnell, W. Va. Coal.	292

## Technical Display of Coal.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
253. New Kentucky Coal Co., Clinton, Ind. Coal.	292	285. Pioneer Coal & Coke Co., Pioneer, Tenn. Coal.	292
254. Nigh, F., Newton, Ill. Coal.	292	286. Pine Hill Coal & Iron Co., Pine Hill, Ky. Coal.	292
257. Nilwood Coal Co., Nilwood, Ill. Coal.	292	287. Pinkney Cannel Coal Co., Cleveland, Ohio. Coal.	292
258. Norfolk Coal & Coke Co., Maybeury, W. Va. Coal.	292	288. Pittsburg Consolidated Coal Co., Pittsburg, Pa. Coal.	292
259. North Dakota Coal & Power Co., Simms, N. Dak. Coal.	292	289. Pittsburg Mining Co., Martinez, Cal. Coal.	292
260. Northern Pacific Coal Co., Tacoma, Wash. Coal.	292	290. Pittsburg & Wheeling Coal Co., Bridgeport, Ohio. Coal.	292
261. North Jellico Coal Co., Grays, Ky. Coal.	292	291. Pleasant Valley Coal Co., Castle Gate, Utah. Coal.	292
262. Northrup, Jay H., Louisa, Ky. Coal.	292	292. Porter Fuel Co., Denver, Col. Coal.	292
263. Northwest Coal & Transportation Co., Bucoda, Wash. Coal.	292	293. Porter Fuel Co., Durango, Col. Coal.	292
264. Northwestern Coal & Iron Co., New Bethlehem, Pa. Coal.	292	294. Procter Coal Co., Red Ash, Ky. Coal.	292
264a. Norton, T. H., Wheeling, W. Va. Coal.	292	295. Quinnimont Coal & Iron Co., Quinni- mont, W. Va. Coal.	292
265. Oakridge Mining Co., Oakridge Sta- tion, Pa. Coal.	292	295a. Ragland Coal Co, Ragland, Ala. Coal.	292
266. Ohio Coal Co., Cambridge, Ohio. Coal.	292	296. Raton Coal & Coke Co., Blossburg, N. M. Coal.	292
267. Ohio Valley Coal & Mining Co., De- Koven, Ky. Coal.	292	297. Red Run Coal Co., Ralston, Pa. Coal.	292
268. Oliver Coal Co., Oliver Springs, Tenn. Coal.	292	298. Rhodes, Daniel R., La Plata, N. M. Coal.	292
269. Oregon Improvement & Navigation Co. Seattle, Wash. Coal.	292	299. Rich Hill Coal Mining Co., Rich Hill, Mo. Coal.	292
270. Osage Coal & Mining Co., Krebs, Ind. Ter. Coal.	292	300. Ridgeway-Bishop Coal Co., Pitts- burg, Pa. Coal.	292
271. Otter Creek Coal Co., Coal Bluff, Ind. Coal.	292	301. Ridgeway, Burton & Co., Massillon, Ohio. Coal.	292
272. Ouita Coal Co., Coal Hill, Ark. Coal.	292	302. Riley, Lewis T., & Co., Centralia, Pa. Coal.	292
273. Pacific Investment Co., Durham, Wash. Coal.	292	303. Risher, J. M., Pittsburg, Pa. Coal.	292
274. Paint Rock Coal & Coke Co., Almy, Tenn. Coal.	292	304. Roane Iron Co., Rockwood, Tenn. Coal.	292
275. Palmyra Coal Co., Youngstown, Ohio. Coal.	292	305. Roanoke Mining Co., Roanoke, Ill. Coal.	292
277. Parker, E. W., White Oaks, N. M. Coal.	292	305a. Robinson, James, Coalville, Utah. Coal.	292
278. Pennsylvania Coal Co., Hicksville, W. Va. Coal.	292	306. Rochester & Pittsburgh Coal & Iron Co., Rochester, N. Y. Coal.	292
279. Pennsylvania Coal Co., Kirkville, W. Va. Coal.	292	307. Rock Hill Iron & Coal Co., Rock Hill Furnace, Pa. Coal.	292
280. Penwell Coal Co., Pana, Ill. Coal.	292	308. Rock Point Coal Co., Chewton, Pa. Coal.	292
281. Philadelphia Coal & Coke Co., Piquette, Pa. Coal.	292	309. Rock Springs Coal Co., Rock Springs, Wyo. Coal.	292
282. Philadelphia & Reading Coal & Iron Co., Pottsville, Pa. Coal.	292	310. Rocky Fork Coal Co., Red Lodge, Mont. Coal.	292
283. Pioneer Coal Co., Byesville, Ohio. Coal.	292	311. Rocky Mountain Coal & Iron Co., Red Cannon, Wyo. Coal.	292
284. Pioneer Coal Co., Thornburg, Ia. Coal.	292		

## Technical Display

Exhibit No.	Class No.	Exhibit No.	Class No.
197. Lady Busley Coal & Transportation Co., The, Horse Creek, Ala. Coal.	292	Coal & Mining Co., Coal.	292
198. Lamberth Coal Mining Co., Hope-well, Pa. Coal.	292	Coal & Coke Co., Evans-	292
199. LaPage, Charles, Choteau, Mo. Coal.	292	Coal Mining Co., Rock	292
200. Leach, George H., Elston, Mo. C	292	Coal, Wilkeson, Wash.	292
201. Leavenworth Coal Co., Leaven- Kas. Coal.	292	Coal Co., Tallula, Ill. Coal.	292
202. Leechburg Coal Co., Leechb- Coal.	292	Coal, Thomas, Cedar City, Utah.	292
203. Lehigh Coal & Mining Co son, N. Dak. Coal.	292	Coal, Taylorville Coal Co., Taylorville, Coal.	292
204. Lehigh Valley Coal Co., S Pa. Coal.	292	Coal, Tebo Coal Co., Lewis Station, Mo. Coal.	292
205. Lehigh & Wilkesbarr Audenried, Pa. Coal.	292	353. Tennessee Coal & Iron Ry. Co., Blockton, Ala. Coal.	292
206. Lenneville, Moses, Dak. Coal.	292	354. Texas & Pacific Coal Co., Thum- ber, Tex. Coal.	292
207. Lentz-Lilly & Co., idge, Coal.	292	355. Thomas & Shell, Ashley, Utah. Coal.	292
208. Lexington Coal & ington, Mo. Coal.	292	356. Thomas Press Brick Co., Brussels, Ill. Coal.	292
209. Lexington Cart Co., Mt. Savage, K Sebewaing,	292	357. Trinidad Fuel Co., Trinidad, Col. Coal.	292
210. Liberal Coal C Stelburn, Ind.	292	357a. Turner, J. W., Norborne, Mo. Coal.	292
211. Lilly Coal C Ill. Coal.	292	358. Turney & Co., H. D., Corning, Ohio. Coal.	292
212. Lilly Mining Transportation Co., Coal.	292	359. Union Pacific Coal Co., Omaha, Neb. Coal.	292
213. Lincoln C Co., The, Coal.	292	360. Union Pacific Coal Co., Scofield, Utah. Coal.	292
214. Listic M & Improvement Co., Coal.	292	361. Union Coal Co., Shamokin, Pa. Coal.	292
215. Litch Coal Co., Spring Val- Coal.	292	362. United Coal Co., Louisville, Col. Coal.	292
216. Litt Co., Roseville, Ohio. Coal.	292	363. Upper Lehigh Coal Co., Upper Le- high, Pa. Coal.	292
217. Liv Co., Seneca, Ill. Coal.	292	364. Virginia Gas Coal Co., Banner, Va. Coal.	292
217a. Coal Co., The, Brook- Coal.	292	365. Virginia & Alabama Coal Co., Days Gap, Ala. Coal.	292
218. M. Charleston, W. Va. Coal.	292	366. Virginia & Alabama Coal Co., The- Patton, Ala. Coal.	292
21. Sullivan Railroad, Coal.	292	367. Virginia & Tennessee Coal & Iron Co., Abingdon, Va. Coal.	292
Coal Co., Earlington, Coal.	292	368. Wabash Coal Co., Dawson, Ill. Coal.	292
W. A., Harrisburg, Mo. Coal.	292	369. Waddell, F. A., Kirkville, Ia. Coal.	292
Mining Co., New Lisbon, Coal.	292	370. Walton, Joseph & Co., Pittsburg, Pa. Coal.	292
Mining Co., New Lisbon, Coal.	292	371. Wampum Run Coal Co., Wampum, Pa. Coal.	292
Man, J. C., South Fork, Pa. Coal.	292	372. Warrior Coal & Coke Co., Coaldale, Ala. Coal.	292
Strange & Son, J. R., Woodward, Coal.	292		

## Coal, Metallurgy—Copper, Tin.

	Class'n No.
Evier, Mo. Coal.	292
Co., Waver-	292
Point,	292
	10.
	292
	Ill.
	292
Co., Altus,	292
ing Co., Flem-	292
Mining Co., St.	292
Co., Osage City, Kans.	292
Fuel Co., Pueblo, Col.	292
st Virginia Central & Pittsburg	
ad Co., Elk Garden, W. Va.	292
White Ash Coal Co., Golden, Col.	292
35. Whitebreast Fuel Co., Chicago.	292
Coal.	292
36. Whitebreast Fuel Co., Dumfermline,	292
Ill. Coal.	292
37. Whitebreast Fuel Co., Ottumwa, Ia.	292
Coal.	292
38. Whitehall Fire Clay Works, White-	292
hall, Ill. Coal.	292
39. White House Cannel Coal Co.,	292
Louis, Ky. Coal.	292
40. Williams, Frank & Co., Rich Hill,	292
Mo. Coal.	292
41. Wilmington-Gardner Coal Co., Gard-	292
ner, Ill. Coal.	292
42. Wilson, H. S., Parkersburg, W. Va.	292
Coal.	292
43. Winifrede Coal Co., Winifrede, W.	292
Va. Coal.	292
44. Witch Hazel Coal Co., Youngstown,	292
Ohio. Coal.	292
45. Woodward Iron Co., Woodward, Ala.	292
Coal.	292
46. Youghiogheny River Coal Co., Scott,	292
Haven, Pa. Coal.	292
47. Zanesville Coal Co., Zanesville, Ohio.	292
Coal.	292

## METALLURGY.

In South West Gallery.

## COPPER.

Ores—	
1. Department Mines & Mining, F. J.	
V. Skiff Chief,	

Exhibit No.	
2.	Copper Queen Consolidated Mining Co., Bisbee, Ariz.
3.	Baltimore Copper R. & S. Co., Baltimore, Md.
4.	Chicago Copper Refining Co., Blue Island, Ill.
5.	Ulke, Titus, Washington, D. C.
6.	Ball, E. J., London, England.
Concentrated Products—	
7.	Copper Queen Consolidated Mining Co., Bisbee, Ariz.
8.	Parrot Silver & Copper Co., Butte, Mont.
9.	Commercial Mining Co., Bisbee, Ariz.
10.	Lake Superior Mines, Mich.
Reduction Samples—	
11.	Copper Queen Consolidated Mining Co., Bisbee, Ariz.
12.	Ulke, Titus, Washington, D. C.
13.	Parrot Silver & Copper Co., Butte, Mont.
14.	Chicago Copper Refining Co., Blue Island, Ill.
15.	Baltimore Copper R. & S. Co., Baltimore, Md.
16.	Boston & Colorado Smelting Co., Argo, Col.
Finished Products—	
17.	Copper Queen Consolidated Mining Co., Bisbee, Ariz.
18.	Baltimore Copper R. & S. Co., Baltimore, Md.
19.	Parrot Silver & Copper Co., Butte, Mont.
Accessories—	
20.	Bisbee, Williams & Co., Bisbee, Ariz.
a	Model water jacket blast furnace.
b	Douglas revolving calciner.
21.	Commercial Mining Co., Copper Basin, Ariz., Leaching works drawings.
22.	Department of Mines, Mining & Metallurgy.
a	Drawing of roasting furnace.
b	Diagram, Hunt-Douglas process.
c	Diagram, Welsh process.
d	Diagram, Argo process.
e	Diagram, Anaconda process.

## Alloys—

23.	Ball, E. J., London, England.
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## TIN.

## Ores—

24.	Redruth Tin Smelting Co., Cornwall, England.
25.	Ulke Titus, Washington, D. C.
Concentration Samples—	
26.	Ulke Titus, Washington, D. C.

## Gold and Silver, Platinum and Iridium, Nickel and Cobalt, Zinc, Quicksilver, Lead

Exhibit  
No.

## Reduction Samples—

27. Redruth Tin Smelting Co., Cornwall, England.

## Finished Products—

28. Billing & Newton, Longport, England.

## GOLD AND SILVER.

## Ores and Concentrates—

29. Colorado, State of.  
30. Oregon, State of.  
31. Brough, B. H., London, England.  
32. Seiler, G. B. T. K., Paramaribo, Guiana.

## Alloys—

33. Tiffany & Co., New York City.  
34. Kunz, Geo. F., New York City.

## SILVER ORES, LIXIVIATION OF.

## Ores—

35. Russell Process Co., Park City, Utah.

## Reagents Used—

36. Russell Process Co., Park City, Utah.

## Extraction Samples—

37. Russell Process Co., Park City, Utah.

## Models and Drawings—

38. Russell Process Co., Park City, Utah.

## PLATINUM AND IRIDIUM.

## Ores and Concentrates—

39. Kunz, Geo. F., New York City.  
40. Holland, Jno., Cincinnati, O.

## Alloys—

41. Holland, Jno., Cincinnati, O.

## NICKEL AND COBALT.

## Ores—

42. Emmens Metal Co., New York City.  
43. American Nickel Works, Camden, N. J.

## Extraction Samples—

44. American Nickel Works, Camden, N. J.

45. Emmens Metal Co., New York City.

## Alloys and Finished Products—

- 45a. American Nickel Works.

## Diagrams—

46. Emmens, Stephen H.  
47. Department Mines, Mining and Metallurgy.

## ZINC.

## Ores—

48. American Zinc & Lead Works, Canon City, Col.  
49. Blake, J. P., Shullsburg, Wis.  
50. Bertha Lead & Zinc Co., Bertha, Va.

Exhibit  
No.

51. St. Louis-Aurora Mining Co., Aurora, Mo.

52. Wetherill, J. Price, Bethlehem, Pa.

53. Nason, Frank, Brunswick, N. J.

## Concentration Samples—

54. American Zinc & Lead Works, Canon City, Col.

55. Lehigh Zinc & Iron Co., Bethlehem, Pa.

56. Bertha Zinc & Lead Co., Bertha, Va.

57. Blake, J. P., Shullsburg, Wis.

58. Wetherill, J. Price, Bethlehem, Pa.

## Finished Products—

59. Bertha Zinc & Lead Co., Bertha, Va.

## Diagrams—

60. Wetherill, J. Price, Bethlehem, Pa.

## QUICKSILVER.

## Ores—

61. Quicksilver Mining Co., California.

## Drawings—

62. Department Mines, Mining and Metallurgy.

## LEAD.

## Ores—

63. Illinois Fluorspar & Lead Co., Mineral City, Ill.

64. Wisconsin Zinc & Lead Co., Shullsburg, Wis.

65. St. Louis-Aurora Mining Co., Aurora, Mo.

## Concentration Samples—

66. St. Joe Lead Co., St. Joe, Mo.

## Reduction Samples—

67. Pueblo Smelting & Refining Co., Pueblo, Col.

68. Holywell, Flintshire, North Wales, G. B.

69. Walker, Parker & Co., England.

## Desilverization Products—

70. German Gold & Silver Refining Co., Frankfort, Germany.

## Finished Products—

71. Walker, Parker & Co., England.

72. Holywell, Flintshire, North Wales, G. B.

73. Billington & Newton, Longport, England.

## Accessories—

74. Pueblo Smelting & Reduction Co., Pueblo, Col.

75. Hofman, H. O., Boston, Mass.

## Diagrams—

76. Hofman, H. O., Boston, Mass.

77. Wendt, Arthur F., New York City.

**Antimony, Iron, Aluminum, Rare Earths, Metallic Elements, Refractory Materials.****ANTIMONY.**Exhibit  
No.**Ores and Reduction Samples—**

78. U. S. Antimony Co., Philadelphia, Pa.

**Alloys—**

79. Union Electric Co., New York City.

**IRON.****Ores—**

81. Regil Mining Co., Bristol, England.

81. New York, State of.

82. Michigan, State of.

83. Pennsylvania, State of.

84. Carbon Iron Co., Pittsburg, Pa.

85. Bicknell &amp; Hall, Cleveland, Ohio.

**Extraction Samples—**

86. Carbon Iron Co., Pittsburg, Pa.

87. Rogers, Brown &amp; Co., Chicago.

88. Darwen &amp; Mostyn Iron Co., England.

89. Bicknell &amp; Hall, Cleveland, Ohio.

90. Chrome Steel Works, Brooklyn, N. Y.

91. Howe, Brown &amp; Co., Pittsburg, Pa.

92. Swartz Iron &amp; Metal Co., Chicago.

93. Crescent Steel Co., Pittsburg, Pa.

94. Pennsylvania Steel Co., Pittsburg, Pa.

95. Lipe, C. E., Syracuse, N. Y.

**Accessories—**

96. Bicknell &amp; Hall, Cleveland, Ohio.

97. Rogers, Brown &amp; Co., Chicago.

98. Darwen &amp; Mostyn Iron Co., England.

99. Ball, E. J., London, England.

100. Illinois Fluorspar &amp; Lead Co., Chicago.

101. Brough, B. H., London, England.

102. British Metallurgical Collection, England.

**Models and Drawings—**

103. City of Lynn, Mass.

104. Philadelphia Engineering Works, Philadelphia.

105. Chapman &amp; Hall, London, England.

106. Department Mines, Mining and Metallurgy.

107. Lipe, C. E., Syracuse, N. Y.

**Applications—**

108. Pittsburg Crushed Steel Co., Pittsburg, Pa.

**Test Treatments—**

109. Bicknell &amp; Hall, Cleveland, Ohio.

110. Chrome Steel Works, Brooklyn, N. Y.

111. Lancaster, James H., New York City.

112. Seebohm &amp; Dieckstaht, Sheffield, England.

113. Pittsburg Crushed Steel Co., Pittsburg, Pa.

**Models and Drawings—**

114. Birkinbine, John, New York City.

Exhibit  
No.

115. Western Machine Works, Lebanon, Pa.

**ALUMINUM.****Ores—**

116. Pittsburg Reduction Co., Pittsburg, Pa.

117. Richards, Joseph W., Bethlehem, Pa.

118. Pennsylvania Salt Manufacturing Co., Natrona, Pa.

**Extraction Samples and Applications—**

119. Richards, Joseph W., Bethlehem, Pa.

120. Hirsh, J. M., Chicago.

121. Pennsylvania Salt Manufacturing Co., Natrona, Pa.

122. Pittsburg Reduction Co., Pittsburg, Pa.

**Applications—**

123. Pittsburg Reduction Co., Pittsburg, Pa.

**Finished Products—**

124. Pittsburg Reduction Co., Pittsburg, Pa.

125. Scoville Manufacturing Co., Pittsburg, Pa.

126. Passaic Art Casting Co., Passaic, N. Y.

**Drawings, Models and Literature—**

127. Pittsburg Reduction Co., Pittsburg, Pa.

128. Richards, Jos. W., Bethlehem, Pa.

**RARE EARTHS.****Ores—**

129. Shapleigh, Waldron, Gloucester, N. J.

**Extraction Samples—**

130. Shapleigh, Waldron, Gloucester, N. J.

**MISCELLANEOUS.**

131. Placet &amp; Bonnet, Washington, D. C.

132. Egleston, I., New York City.

133. Department Mines, Mining and Metallurgy.

134. Kunz, Geo. F., New York City.

**METALLIC ELEMENTS.**

135. Kunz, Geo. F., New York City.

**REFRACTORY MATERIALS.**

136. Elbers, A., Hoboken, N. J.

137. Chicago Fire Proof Co., Chicago.

138. Borgner, Cyrus, Philadelphia, Pa.

139. Ceylon Government.

140. Western Mineral Wool Co., Chicago.

141. Brough, B. H., London, England.

## Mineral Waters.

**MINERAL WATERS.**

LOCATION—T-6-g.

GROUP 48.—CLASS 321.

**ALABAMA.**Exhibit  
No.

1. Peters, H. J., Healing Springs. Spring water.

**CALIFORNIA.**

2. Mt. Shasta Mineral Springs, Mount Shasta. Mineral water.
3. Walbridge, Ed. B., Tuscan Springs. Mineral water.
4. Humboldt Mineral Water Co., Eureka. Mineral water.
5. Napa Soda Water Co., Napa. Mineral water.
6. Aetna Mineral Water Co., Aetna Springs. Spring water.
7. Bartlett Springs. Bartlett spring water.
8. Azula Natural Seltzer Water Co., San Jose. Natural seltzer.
9. Blumberg, A. W., Ojai Hot Springs. Mineral water.

**COLORADO.**

10. Manitou Mineral Water Co., Manitou. Mineral water.
11. The Boulder Spring Co., Boulder. Spring water.
12. Pueblo. Clark's magnetic water.

**CONNECTICUT.**

13. Stafford Springs. Mineral spring water.
14. Tonica Springs Co., Highland Park. Spring water.

**GEORGIA.**

15. Hughes Mineral Water Co., Rome. Mineral water.
16. Bowden Lithia Spring Co., Lithia Springs. Lithia water.

**IDAHO.**

17. Natural Mineral Water Co., Soda Springs. Idaho mineral water.

**ILLINOIS.**

18. Avon. Red Avon spring water.
19. Arkansas Lithia Spring Co., Little Rock. Spring water.
20. Perry Springs. Spring water.

Exhibit  
No.

21. Kampen, H. L., Kirkwood. Mineral water.
22. Carse & Ohlweiler, Rock Island. Mineral water.
23. Cumberland Mineral Water Co., Greenup. Mineral water.
24. Simon, W. J., Ottawa. Mineral water.

**INDIANA.**

25. Muddy Fork. Spring water.
26. Lebo, J. B., Kickapoo. Magnetic spring water.
27. Indiana Mineral Spring. Paritan spring water.

**IOWA.**

28. Lake View Medical Spring, Lake View. Spring water.
29. White Sulphur. Sulphur water.
30. Colfax Mineral Water Co., Colfax. Mineral water.

**KANSAS.**

31. Gueda Springs. Spring water.
32. Montrose. Lithium spring water.
33. Wichita. Mineral water.
34. Gueda Water Co., Winfield. Mineral water.
35. Pickett Phillip, Topeka. Mineral water.

**KENTUCKY.**

36. Crab Orchard Spring. Sulphur water.

**MAINE.**

37. Wilson Hotel & Spring Co., North Raymond. Spring water.
38. East Portland. Spring water.
39. Bichnell, W. E., Hartford. Spring water.
40. Falmouth Foreside. Underwood spring water.
41. Lewiston. Windsor mineral spring water.

**MARYLAND.**

42. Chattolane. Spring water.
43. Strntia Mineral Spring Co., Baltimore. Spring water.

**MASSACHUSETTS.**

44. Anderson Bros., Livingston. Mineral spring water.
45. West Lynn. Echo Grove mineral water.
46. Lowell. Sheep Rock spring water.

## Mineral Waters.

## MICHIGAN.

Exhibit  
No.

47. Elliott, A. A., Ypsilanti. Mineral water.  
 48. St. Clair. Somerville spring water.  
 49. Salutaris Co., St. Clair. Mineral water.  
 50. Hudson. Zamber wasser.

## MISSOURI.

51. B. B. Spring Co., Bowling Green. Spring water.

## MISSISSIPPI.

52. Brown's Wells. Mineral water.

## MONTANA.

53. Pipestone Springs Mineral Water Co., Butte City. Mineral water.

## NEBRASKA.

54. Helena. Victoria spring

## NEW HAMPSHIRE.

- 54a. Nashua. Londonery.

## NEW JERSEY.

55. Jones, Wm., Collingwood. Kalium spring water.

## NEW YORK.

56. Gardner, Jno. H., & Son, Sharon Spring. Sulphur water.  
 57. Cayuga. Mineral water.  
 58. Miller, Geo. H., Geneva. Mineral water.  
 59. Saratoga. Excelsior spring water.  
 60. Onaka Spring Co., Utica. Mineral water.  
 61. Heron, A. J., & Co., Dunkirk. Mineral water.  
 62. Saratoga Imperial Spring Co., Saratoga. Mineral water.  
 63. Saratoga. Saratoga Kissengen.  
 64. Ballston. Artesian lithia.  
 65. Saratoga-Carlsbad Spring Co., Saratoga. Mineral water.  
 66. Saratoga Nat. Champion Spouting Spring Co., Saratoga. Mineral water.  
 67. Saratoga Lithia Spring Water Co., Saratoga. Mineral water.  
 68. Oswego. Deep Rock spring water.  
 69. Empire Spring Co., Saratoga. Mineral water.  
 70. Phelps, O. D., Avon. Spring water.

## NORTH CAROLINA.

Exhibit  
No.

71. Parks Mineral Water Co., Parks Spring. Mineral water.  
 72. Poison Springs. Natural mineral water.  
 73. Burnell, Lewis W., Crumplers. Spring water.

## OHIO.

74. Dixon, W. A., Ripley. Spring water.  
 75. McCloud, S. N., Marysville. Magnetic water.  
 76. Smith, Frank, New Richmond. Mineral water.  
 77. Devonian Mineral Spring Co., Lorain. Spring water.  
 78. Urbana. Crystal natural mineral water.

## PENNSYLVANIA.

79. Cory Artesian Mineral Water Co., Cory. Mineral water.  
 80. Black, James, Pleasant Grove. Spring water.  
 81. Eureka Mineral Spring Co., Saegertown. Mineral water.  
 82. Bedford Mineral Spring Co., Bedford. Mineral water.  
 83. Nickerson, J. W., Pulaski. Mineral water.  
 84. Roscommon. Mineral water.  
 85. Saegertown. Eureka spring water.  
 86. Parker, N. H., Gardean. Mineral water.  
 87. Sizerville Magnetic Mineral Water Co., Sizerville. Mineral water.

## RHODE ISLAND.

88. Angell, H. N., Providence. Spring water.

## SOUTH CAROLINA.

89. Angell, H. N., Glenn Springs. Mineral water.

## TENNESSEE.

90. Tomlinson, Thos., Tate Springs. Mineral water.  
 91. Rhea Springs. Mineral water.

## TEXAS.

92. Long View. Capp's mineral well water.  
 93. Page, N. J. M., Georgetown. Mineral water.  
 94. Hynson, C. E., Marshall. Spring water.

## Mineral Waters, Salt.

Exhibit  
No.

95. Wade, R. H., Wooten Wells. Spring water.  
 96. Cardwell. Spring water.  
 97. Mineral Well. Gibson well mineral water.  
 98. Tioga. Mineral water.

## VERMONT.

99. Clarendon Springs. Spring water.

## VIRGINIA.

100. Richmond. Wolf Trap lithia water.  
 101. Cove Springs. Lithia water.  
 102. Hopkins, E. B., McGaheyville. Rockingham spring water.  
 103. Farmville. Lithia water.  
 104. Goode, Thos. F., Buffalo. Lithia water.  
 105. Hundley, Geo. J., Richmond. Lithia magnesia water.  
 106. Elkton. Ben lithia water.  
 107. Elkton. Lithia water.  
 108. Tobaccoville. Lithia and alum water.  
 109. Augusta County. Stribling spring water.

## WASHINGTON.

110. Medical Lake. Mineral water.

## WEST VIRGINIA.

111. Bonclay & Livingston, Irondale. Spring water.  
 112. Hampshire County. Capon spring water.  
 113. Green Briar. White sulphur springs water.  
 114. Salt Sulphur Springs, Monroe County. Mineral water.  
 115. Hickie, E. O., Wilbur Island. Spring water.  
 116. White Sulphur Spring. Sulphur water.

## WISCONSIN.

117. Sheboygan Mineral Spring Co., Sheboygan. Mineral water.  
 118. Waukesha. Hygeia mineral spring water.  
 119. Bethseda Mineral Spring Co., Bethseda. Mineral water.  
 120. Allonez Mineral Spring Co., Green Bay. Spring water.  
 121. Nee-Ska-Ra Mineral Spring Co., Milwaukee. Mineral water.  
 122. Spence, Thos., Waukesha. Mineral water.

Exhibit  
No.

123. Darlington. Mineral spring water.  
 124. Green Bay. Mineral spring water.  
 125. Waukesha. Almanaria water.  
 126. Waukesha. Silurian water.  
 127. Waukesha. Arcadian water.  
 128. Green Bay. Lebens wasser.  
 129. Bethania Mineral Spring Co. Osceola. Mineral water.  
 130. Schultz, F., & Co., Prairie du Chien. Fort Crawford spring water.  
 131. Green Bay. St. John's mineral water.

## SALT.

## LOCATION—T-6g.

## GROUP 48.—CLASS 814.

## CALIFORNIA.

1. Solar Salt Works, Alameda Co. Coarse salt.

## ILLINOIS.

2. Illinois Central Coal & Salt Co., Johns.  
 a Fine salt.  
 b Common fine.

## KANSAS.

3. Lyons Rock Salt Co., Lyons.  
 a No. 3 icing.  
 b Capping.  
 c No. 2.  
 d Salt.  
 e Packer fine.  
 f Rock salt.

## MICHIGAN.

4. Welton Salt Ass'n (Ltd.), Algonia. Salt.  
 5. Bradley, F. E., Bay City. Salt.  
 6. Michigan Pipe Co., Bay City. Salt.  
 7. McEnau Bros., Bay City. Salt.  
 8. Rouse, W. B., Bay City. Salt.  
 9. The Kern Manufacturing Co., Bay City.  
 a No. 1 fine.  
 b Packers.  
 10. Hall, T. R., Bay City.  
 a Fine.  
 b Packers.  
 11. Sage, H. W., & Co., West Bay City. Salt.  
 12. Peters, R. G., Salt & Lumber Co. East Lake. Salt.

## Salt.

Exhibit  
No.

13. Filer & Son, Filer City. Salt.
14. Butter & Peters Salt & Lumber Co.,  
Ludington.  
a No. 1 fine.  
b Dairy.
15. Marquette Lumber Co., Ludington.  
No. 1 fine.
16. Marine City Stone Co., Marine City.  
a Common fine.  
b Crystal packers.  
c No. 1.
17. Davidson & Wonsey, Oscoda. Salt.
18. Gratwick, Smith & Tryer, Oscoda.  
Salt.
19. Pack, Woods & Co., Oscoda. Salt.
20. Diamond Crystal Salt Co., St. Clair.  
a Dairy.  
b Table.
21. Mitchell & McClure, Saginaw. Salt.
22. Ayers Lumber Salt Co., Saginaw.  
Salt.
23. Wylie Bros., Saginaw. Salt.
24. Bliss, A. F., Saginaw. Salt.
25. Emery, Temple, East Tawas. Salt.
26. Huron Dairy Salt Co., Sand Beach.  
Salt.

## NEVADA.

27. Nevada Salt & Borax Co., Rhodes.  
Coarse.
28. Eagle Salt Works, Eagle Salt Works.  
a Table.  
b Rock.  
c Dairy.  
d Stock and mill.  
e Meat.
29. Nevada Salt & Borax Co. Dairy and  
table.

## NEW YORK.

30. Livonia Salt Manufacturing Co., Liv-  
onia.  
a Salt "O."  
b No. 2.  
c No. 3.  
d Salt "C."  
e No. 1.  
f No. 4.
31. Le Roy Salt Co., Le Roy.  
a Cheese.  
b Common fine.  
c Dairy.  
d Table.  
e Salt.
32. Lackawanna Salt Co., Mt. Morris.  
a Salt.  
b No. 1 CF.  
c Diamond C.

Exhibit  
No.

33. Genesee Salt Co., Pifford.  
a Butter.  
b Cheese.  
c Table.
34. Pavilion Salt Co., Pavilion.  
a Extra fine.  
b Table.
35. Retsof Mining Co., Retsof.  
a No. 2.  
b No. 1.  
c Table.  
d C.  
e No. 3.
36. Onondaga Coarse Salt Association,  
Syracuse.  
a Diamond T.  
b Diamond BC.  
c Salt, coarse.
37. Duncan Salt Co., Silver Springs.  
a No. 1 CF.  
b No. MC.  
c Dairy.  
d Extra coarse.
38. Gouinlock & Humphrey, Warsaw.  
a Sifted.  
b Coarse.  
c Pulverized dairy.  
d Common fine.
39. Atlantic Salt Co., Warsaw. Kettle.
40. Miller Salt Co., Warsaw.  
a No. 1 common fine.  
b Common coarse.  
c Sifted.

## OHIO.

41. Sugar Creek. Coarse.
42. Buckeye Salt Co., Pomeroy. Fine.

## TEXAS.

43. Lone Star Salt Co., Grand Saline.  
a Salt.  
b No. 1 fine.  
c No. 1 fine.

## UTAH.

44. Salina Salt Works, Salina. No. 1 fine.
45. Inland Salt Co., Salt Lake.  
a Dairy.  
b Coarse No. 1.  
c Hide.

## VIRGINIA.

46. Holston Salt & Plaster Co., Saltville.  
Salt.

## WEST VIRGINIA.

47. Liverpool Salt & Coal Co., Hartford.  
Coarse.

## Salt, Library Department.

1. 10001

19. Dickinson, J. D., & Co., Malden.  
Table and diary.  
2. Fine.  
3. Common fine.  
40. Liverpool Salt & Coal Co., Mason  
City. Commercial fine.  
50. Howe Salt & Coal Co., Mason City.  
Dress.

## LIBRARY DEPARTMENT.

Library of the West Coast.

1. American Society of Mining En-  
gineers, New York.  
2. American Society of Mining En-  
gineers, New York.  
3. American Society of Mining En-  
gineers, New York.

4. American Society of Mining En-  
gineers, New York.  
5. American Society of Mining En-  
gineers, New York.

6. American Society of Mining En-  
gineers, New York.  
7. American Society of Mining En-  
gineers, New York.

8. American Society of Mining En-  
gineers, New York.  
9. American Society of Mining En-  
gineers, New York.

10. American Society of Mining En-  
gineers, New York.  
11. American Society of Mining En-  
gineers, New York.

12. American Society of Mining En-  
gineers, New York.  
13. American Society of Mining En-  
gineers, New York.

14. American Society of Mining En-  
gineers, New York.  
15. American Society of Mining En-  
gineers, New York.

16. American Society of Mining En-  
gineers, New York.  
17. American Society of Mining En-  
gineers, New York.

18. American Society of Mining En-  
gineers, New York.  
19. American Society of Mining En-  
gineers, New York.

20. American Society of Mining En-  
gineers, New York.  
21. American Society of Mining En-  
gineers, New York.

22. American Society of Mining En-  
gineers, New York.  
23. American Society of Mining En-  
gineers, New York.

24. American Society of Mining En-  
gineers, New York.  
25. American Society of Mining En-  
gineers, New York.

Exhibit

No.

50. Haferkorn, H. E., Milwaukee, W.  
Lists of works on mining, metallurgy.  
51. Haight, R. J., Chicago.  
One volume "Monumental News."  
52. Houghton, Mifflin & Co., Boston.  
Two volumes on geology.  
53. Industrial World Co., Chicago.  
One volume "Industrial World and  
Worker."  
54. Iron Trade Review Co., Cleveland.  
One volume "Iron Trade Review."  
55. Journal of Commerce Publishing Co.,  
Baltimore, Md. One volume "Balti-  
more Journal of Commerce."  
56. Maxwell & Son, W. London.  
Two volumes on mining.

57. Museum Geological Survey, Wash-  
ington, D. C.  
Five volumes of geological maps.

58. McFarland & Niles, Buffalo.  
One volume "The American Geologist."

59. National Iron & Steel Institute,  
London, Eng.  
One volume "The American Mining  
Industry."

60. National Iron & Steel Institute,  
London, Eng.  
One volume "The American Mining  
Industry."

61. National Iron & Steel Institute,  
London, Eng.  
One volume "The American Mining  
Industry."

62. National Iron & Steel Institute,  
London, Eng.  
One volume "The American Mining  
Industry."

63. National Iron & Steel Institute,  
London, Eng.  
One volume "The American Mining  
Industry."

64. National Iron & Steel Institute,  
London, Eng.  
One volume "The American Mining  
Industry."

65. National Iron & Steel Institute,  
London, Eng.  
One volume "The American Mining  
Industry."

66. National Iron & Steel Institute,  
London, Eng.  
One volume "The American Mining  
Industry."

67. National Iron & Steel Institute,  
London, Eng.  
One volume "The American Mining  
Industry."

68. National Iron & Steel Institute,  
London, Eng.  
One volume "The American Mining  
Industry."

69. National Iron & Steel Institute,  
London, Eng.  
One volume "The American Mining  
Industry."

70. National Iron & Steel Institute,  
London, Eng.  
One volume "The American Mining  
Industry."

## Library Department, Miscellaneous.

## Exhibit

No.  
16. Wadsworth, H. L., Publisher, Denver, Col.

One volume, Mining and Scientific Review.

17. United States Geological Survey, Washington, D. C.

Ninety volumes, Mineral Resources, Annual Reports, Bulletins, etc.

17a. Wheeler, S. J., Chicago.. Geological charts.

18. Wiley & Sons, J., Publishing Co., New York.

Two volumes, American Foundry Practice and Moulder's Text Book.

19. Williams, David, Publisher, New York. Ten volumes, "Carpentry & Building."

Thirty volumes, "Iron Age."

Twenty volumes, "Metal Worker."

### Less Exhibit of Mr. George F. Kunz.

1. Printed books and pamphlets from the 15th century to the present time, treating of mines, mining, metallurgy, mineralogy, geology, precious stones, etc.

2. Scientific journals treating on the above subjects.

3. Manuscripts from the 14th century on the same subjects.

4. A series of books illustrating the history of the literature on precious stones, beginning with the manuscripts of the 14th century up to the present time.

5. A collection of literature illustrating a collection of jade up to the present time.

6. Collection of literature illustrating the object of amber.

26. Collection of literature illustrating mineralogical works from the earliest to the most important ones of the present.

27. Collection of works illustrating mining literature from the time of Agricola to the present.

28. Works on mining, gems, metallurgy, etc., contributed by various publishers.

The whole collection comprises about 3,000 volumes and 4,000 pamphlets.

### READING ROOM.

(South End of West Gallery.)

Wheeler's Geological Charts, American Geologist, Engineering Magazine, Minerals, Stone, Popular Science Monthly, Engineering News, Commercial Bulletin, Ohio Valley Manufacturer, Manufacturers' Record, Black Diamond, Canadian Manufacturer and Industrial World, Iron Industry Gazette, The Iron Age, Monumental News, Pottery and Glassware Reporter, Boston Journal of Commerce, Iron and Steel Trades Journal, Paving and Engineering, The Age of Steel, The Clay Worker, Water and Gas Review, Industrial World, The Mining World, Iron and Coal Trades Review, The Bulletin, The Mining Industry, Railway Master Mechanic, Boston Journal of Commerce, The Metal Worker, Railroad Gazette, The Colliery Guardian, Mining Industry and Tradesman, Railway Review, Ores and Metals, Mining and Scientific Press, American Manufacturer and Iron World, Commercial Bulletin, Colliery Engineer, The Western World, Iron Colliery Manager, Iron and Coal Trades Review, Engineering and Mining Journal, Journal of Geology, etc.

## ARIZONA.

LOCATION—SEC. Q, 30.

Minerals, Ores, Native Metals, Gems and Crystals, Geological Specimens.

## GROUP 42.

Exhibit No.	Class'n No.
1. Aldrigo, M., Pima County.	Silver and lead ores. 291
1a. Allen, D., Pima County.	Silver, gold and lead ores. 291
1b. Anderson, L. E., Yavapai County.	Gold and silver ores. 291
1c. Argosy Mine, Pinal County.	Silver ore. 291
1d. Arnold, Fred, Yavapai County.	Gold and silver ores. 291
1e. Austerlitz Mining Co., Pima County.	Gold and silver ores. 291
1f. Bain, T. C., Cochise County.	Gold ore. 291
2. Bartholomew, J. W., Cochise County.	Gold and silver ores. 291
3. Baron, A., & Co., Cochise County.	Lead, silver and zinc ores. 291
4. Barrett, T., & Bauer, Cochise County.	Silver and lead ores. 291
4a. Bashford & Co., Yavapai County.	Gold and silver ores. 291
4b. Bauman, Jules, Yavapai County.	Gold, silver and lead ores. 291
4c. Berray, N. S., Gila County.	Lead ore. 291
5. Berry, Cameron & Gale, Cochise County.	Gold and silver ores. 291
6. Blackfoot Mine, Mohave County.	Gold and silver ores. 291
6a. Blue Bird Mine, Pima County.	Silver and lead ores. 291
6b. Bonanza Mine, Pima County.	Gold and silver ores. 291
7. Bonelli, D., Mohave County.	Vanadinite. 291
8. Bauer, A., Cochise County.	Silver and lead ores. 291
8a. Brady, M. T., Yavapai County.	Silver ore. 291
9. Brown, Moore & Co., Cochise County.	Gold, silver and lead ores. 291
9a. Brown, W., Pima County.	Silver and lead ores. 291
9b. Bullard, J. C., Yavapai County.	Gold and silver ores. 291
10. Casey Bros., Cochise County.	Gold ores. 291

## Exhibit

No.

10a. Catoctin Mining Co., Yavapai County.	Silver and lead ores.
10b. Cheyney, W. J., Pima County.	Silver and lead ores.
10c. Chief Mine, Pima County.	Gold, silver and lead ores.
10d. Choctaw Mine, Pima County.	Silver and lead ores.
10e. Cinnonas Mine, Pima County.	Silver and lead ores.
10f. Clark, A. C., Pima County.	Silver and gold ores.
10g. Clark, Ed., Pima County.	Silver and lead ores.
10h. Clark, William, Pima County.	Silver ore.
10i. Clonliss Mine, Pima County.	Gold, silver and lead ores.
11. Coalbank Mine, Cochise County.	Gold and lead ores.
11a. Colles, J. S., Yavapai County.	Gold and silver ores.
11b. Congress Gold Mining Co., Yavapai County.	Gold and silver ores.
12. Contention Mine, Cochise County.	Gold and silver ores.
13. Contention Mining Co., Cochise County.	Gold, silver and lead ores.
14. Cook, H., Cochise County.	Silver and lead ores.
15. Cook & Smith, Cochise County.	Silver ore.
16. Copper Queen Consolidated Mining Co., Cochise County.	Silver ore.
17. Cottonwood Mine, Cochise County.	Gold and lead ores.
18. Cougar Mining Co., Yavapai County.	Gold, silver and lead ores.
19. Cross & Hitchcock, Mohave County.	Gold and silver ores.
19a. Curry, George H., Yavapai County.	Gold and silver ores.
19b. Davis, W. C., Pima County.	Silver ore.
20. Dennis & Lynch, Mohave County.	Silver ore.
20a. De Dumas, Mr., Yavapai County.	Gold ore.

## Minerals, Ores, Native Metals, Gems and Crystals, Geological Specimens.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
20b. DeKuhn, R., Yavapai County.	Gold	40. Golden Rule Mine, Cochise County.	291
and silver ores.	291	Gold ore.	291
21. DeLong, S. R. Cochise County.	291	40a. Gough, Joseph, Yavapai County.	Gold
Gold ore.	291	and silver ores.	291
22. Distaff Mine, Mohave County.	Gold,	41. Grand Central Consolidated Mining	
silver and lead ores.	291	Co., Cochise County. Gold, silver and	
23. Dives Mine, Cochise County.	Gold	lead ores.	291
ore.	291	41a. Gray, D., & Co., Pima County.	Silver
23a. Dougherty, James, Yavapai County.		ore.	291
Gold and silver ores.	291	42. Great American Mining Co., Cochise	
23b. Doyle, W. A., Pima County.	Silver	County. Gold and silver ores.	291
and lead ores.	291	42a. Griffin, N. L., Yavapai County.	Gold,
23c. Duke, J., Yavapai County.	Silver	silver and lead ores.	291
and copper ore.	291	42b. Grubb, D., Yavapai County.	Gold,
24. Duncan, Mr., Cochise County.	Gold,	silver and lead ores.	291
silver and lead ores.	291	42c. "H. M." Mine, Cochise County.	Gold,
24a. East Side Mine, Pima County.	Gold,	silver and lead ores.	291
silver and lead ores.	291	42d. Harshaw Mine, Pima County.	Lead
24b. Electric Mine, Pima County.	Silver	and silver ores.	291
ore.	291	42e. Helm, J. D., Yavapai County.	Gold
25. Elkhart Mine, Mohave County.	Lead	and silver ores.	291
ore.	291	43. Herring & Co., Cochise County.	Gold,
25a. Ellizo & Co., Pima County.	Silver	silver and lead ores.	291
and lead ores.	291	44. Herring, William, Cochise County.	
26. Emma Mine, Cochise County.	Gold	Gold and silver ores.	291
ore.	291	44a. Hoffenden Mine, Pima County.	Silver
27. Empire Mining & Milling Co., Cochise		and gold ores.	291
County. Gold and silver ores.	291	44b. Hudson, A. J., Yavapai County.	Gold
28. English, Allen, Cochise County.	Gold	and silver ores.	291
ore.	291	45. Imperial Mine, Cochise County.	Gold
28a. Esmeralda Mine, Pima County.	Silver,	and silver ores.	291
gold and lead ores.	291	46. Ingraham & Co., Cochise County.	Sil-
29. Ewing, H. P., Mohave County.	Gold	ver ore.	291
and silver ores.	291	46a. John Oats Mine, Pima County.	Silver
30. Fall, J. E., Cochise County.	Gold and	ore.	291
silver ores.	291	47. Johnson & Co., Cochise County.	Gold,
30a. Ferguson, W. H., Yavapai County.		silver and lead ores.	291
Gold and silver ores.	291	47a. Jones, John S., Yavapai County.	Gold
31. Finale Mine, Cochise County.	Gold,	and silver ores.	291
silver and lead ores.	291	48. Josephine Mine, Cochise County.	Gold
32. First Chance & Philadelphia Mines,		and silver ores.	291
Cochise County. Gold ore.	291	49. Junietta Mining Co., Cochise County.	
33. Fitts & Wilkes, Cochise County.	Silver	Horn-silver.	291
ore.	291	49a. Keystone Mine, Pima County.	Gold,
33a. Foraker Mine, Pima County.	Gold	silver and lead ores.	291
and silver ores.	291	49b. Lalla Mine, Pima County.	Gold,
4. Frost & Blakely, Mohave County.		silver and lead ores.	291
Gold and silver ores.	291	50. Larrimore & Booth, Cochise County.	
5. Frond, A., Cochise County.	Silver	Gold, silver and lead ores.	291
and lead ores.	291	50a. Lowrey, James, Yavapai County.	
6. Gage & Barrett, Cochise County.		Gold, silver and lead ores.	291
Silver and lead ores.	291	50b. Macy Mine, Pima County.	Gold,
7. Gage & Leach, Cochise County.		silver and lead ores.	291
Gold and silver ores.	291	50c. Mammoth Mine, Pima County.	Lead
8. Gattrell, Donnelly & Co., Cochise		ore.	291
County. Silver ore.	291	51. Martinez, M., & Co., Mohave County.	
9. Gertrude Mine, Cochise County.	Gold	Silver ore.	291
ore.	291	51a. Mascot Mine, Pima County.	Gold
		and silver ores.	291

## Minerals, Ores, Native Metals, Gems and Crystals, Geological Specimens.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
51b. Matchless Mine, Pima County.	Silver and lead ores. 291	67a. Rupert, D. A. & E. J., Yavapai County.	Silver and lead ores. 291
52. Mayflower Mine, Cochise County.	Gold and silver ores. 291	68. Russell & Zeimer, Mohave County.	Gold and silver ores. 291
53a. McDonald, F. A., Pima County.	Gold ores. 291	68a. Saginaw Mine, Pima County.	Gold silver and lead ores. 291
53b. McDonnell, T. A., Pima County.	Gold ore. 291	69. Sampson Gold Co., Cochise County.	Gold ore. 291
53. McFadden Bros., Cochise County.	Silver ore. 291	69a. Sanchez, M., Pima County.	Gold silver and lead ores. 291
54. McMahon & Co., Cochise County.	Silver and lead ores. 291	70. San Pedro Mining Co., Cochise County.	Gold and silver ores. 291
54a. McNary, R. C., Yavapai County.	Cinnabar ore. 291	71. Savells, J. J., Cochise County.	Gold ore. 291
55. Meade & Leach, Cochise County.	Silver and gold ores. 291	72. Scarce, I., Cochise County.	Silver ore. 291
56. Melcher & Dodge, Cochise County.	Gold and silver ores. 291	72a. Seven Stars Mining Co., Yavapai County.	Gold and silver ores. 291
57. Merrimac Mining, Milling & Refining Co., Cochise County.	Silver ore. 291	72b. Silver Bell Mine, Pima County.	Copper ore. 291
58. Monte Christo Mine, Cochise County.	Silver ores. 291	73. Silver Bill Mining Co., Cochise County.	Gold, silver and lead ores. 291
58a. Mulverson & Roach, Yavapai County.	Gold, silver and zinc ores. 291	74. Silver Cave South Mine, Cochise County.	Gold, silver and lead ores. 291
59. Murphy, J. M., Mohave County.	Gold, silver and lead ores. 291	75. Silver Cloud Mining Co., Cochise County.	Gold and silver ores. 291
59a. Murphy, W., Pima County.	Gold ore. 291	76. Silver Thread Mining Co., Cochise County.	Gold and silver ores. 291
59b. New York Mine, Pima County.	Silver, gold and lead ores. 291	76a. Sines, George, Yavapai County.	Gold silver and zinc ores. 291
60. Night Hawk Mining Co., Mohave County.	Gold and silver ores. 291	76b. Sixty Per Cent. Mine, Pima County.	Silver ore. 291
61. Old Guard Mining and Milling Co., Cochise County.	Gold, silver and lead ore. 291	76c. Slack, James R.	Gold and silver ores. 291
61a. Oro Bella Mining Co., Yavapai County.	Gold and silver ores. 291	76d. Smith, A. P., & Co., Yavapai County.	Gold and silver ores. 291
61b. Ortiz, G. O., Pima County.	Silver and lead ores. 291	77. Smith & Desty, Mohave County.	Gold ore. 291
62. Peabody Mine, Cochise County.	Silver ore. 291	77a. Smith, Mrs. S. A., Yavapai County.	Gold and silver ores. 291
62a. Powell, Sam, Yavapai County.	Gold and silver ores. 291	78. Smith, O. C., Cochise County.	Silver ore. 291
63. Providential & Emma Brent Mines, Cochise County.	Gold and silver ores. 291	78a. Smith, S. A., Yavapai County.	Gold and silver ore. 291
64. Rainbow Mine, Mohave County.	Gold and lead ores. 291	79. Sorin, T. R., Cochise County.	Collection of minerals. 291
65. Randolph Mining & Milling Co., Cochise County.	Silver and lead ores. 291	80. Spruante, Stanley & Co., Mohave County.	Silver and lead ores. 291
66. Rattlesnake Mining Co., Cochise County.	Gold, silver and lead ores. 291	81. Start Bros., Cochise County.	Silver and lead ores. 291
66a. Richardson, R. R., Pima County.	Silver and lead ores. 291	82a. Steele, G. W., Pima County.	Silver ore. 291
66b. Roach, Thomas, Yavapai County.	Gold and silver ores. 291	82b. Stentlebrand, Mr., Pima County.	Gold and silver ores. 291
66c. Robinson, H., Pima County.	Silver and lead ores. 291	82c. St. Louis Mine, Pima County.	Gold silver and lead ores. 291
67. Rogers Bros., Mohave County.	Gold and silver ores. 291	82d. Stone, G., Pima County.	Silver ore. 291

## Minerals, Quarry Products, Graphite, Clays, Salts, Copper and its Alloys.

Exhibit No.	Class'n No.
82c. Stonewall Mining Co., Cochise County. Silver and manganese ores.	291
82i. Sullivan, D. J., Yavapai County. Silver and lead ores.	291
83. Sullivan, J., Cochise County. Silver ore.	291
84. Sunnyside Mine, Cochise County. Gold ore.	291
85. Theis, F. W., Mohave County. Gold, silver and lead ores.	291
86. Thompson, E. F., Mohave County. Silver ore.	291
87. Tombstone Mining & Milling Co., Cochise County. Gold, silver and lead ores.	291
88. Tom Scott Mine, Cochise County. Gold, silver and lead ores.	291
88a. Towers, Frank, Pima County. Gold, silver and lead ores.	291
89. Tranquility Mining Co., Cochise County. Gold and silver ores.	291
90. United Verde Copper Co., Cochise County. Gold and silver ore.	291
90a. Vekol Mine, Pinal County. Silver ore.	291
90b. Virginia Gold Mining Co., Yavapai County. Gold and silver ores.	291
91. Vizona Mining Co., Cochise County. Silver ore.	291
91a. Ward, T. R., Pima County. Gold and silver ores.	291
92. Watkins, H. H., Mohave County. Lead ore.	291
92a. Wedge Mine, Pima County. Silver and lead ores.	291
92b. West End Mine, Pima County. Gold, silver and lead ores.	291
92c. Wickler & Srapp, Yavapai County. Gold and silver ores.	291
92d. Williams, Fred, Yavapai County. Gold and silver ores.	291
93. Williams, O., Cochise County. Gold ore.	291
94. Woodchoppers' Relief Mine, Mohave County. Silver ore.	291

## GROUP 44.

94a. Arizona Sandstone Co., Coconino County. Sandstone.	296
94b. Clark, Charles M., Yavapai County. Lithographic stone.	296
94c. Connell, Robert, Yavapai County. Sandstone.	296
94d. Hunt, L. E., Yavapai County. Onyx.	296
94e. Lowrey & Bishop, Yavapai County. Onyx.	296
95. Robinson & Scow Cochise County. Onyx.	296

Exhibit No.	Class'n No.
95a. Vandercam, Godfrey, Yavapai County. Onyx.	296

## GROUP 46.

96. Bonelli, D., Mohave County. Mica.	305
96a. Crittenden, M., Pima County. Fire clay.	304

## GROUP 48.

97. Bonelli, D., Mohave County. Rock salt.	314
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## GROUP 51.

97a. Allen, D., Pima County. Copper ore.	340
97b. Arizona Copper Co., Graham County. Copper ore.	340
97c. Arnold, Fred, Yavapai County. Copper ore.	340
98. Bartholomew, J. W., Cochise County. Copper ore.	340
98a. Bauman, Jules, Yavapai County. Copper ore.	340
99. Berner, W. J., Cochise County. Copper ore.	340
100. Berry, Cameron & Gale, Coconino County. Copper ore.	340
100a. Big Johnny Mine, Gila County. Copper ore.	340
100b. Bird's Nest Mine, Gila County. Copper ore.	340
101. Blackfoot Mine, Mohave County. Copper ore.	340
101a. Black Hawk Mining Co., Gila County. Copper ore.	340
101b. Blue Bird Mine, Pima County. Copper ore.	340
101c. Buckeye Mine, Gila County. Copper ore.	340
101d. Buffalo Mine, Gila County. Copper ore.	340
101e. Bullard, J. C., Yavapai County. Copper ore.	340
102. Cheyney, G. W., Cochise County. Copper ore.	340
102a. Cinnonas Mine, Pima County. Copper ore.	340
102b. Clark, W. A., Yavapai County. Copper ore.	340
102c. Commercial Mining Co., Yavapai County. Copper ore.	340
103. Copper Queen Consolidated Mining Co., Cochise County. Copper ore.	340
103a. Coronado Mining Co., Graham County. Copper ore.	

## Copper and its Alloys, Metallurgy of Antimony and Metals not Specifically Classed.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
104. Cross & Hitchcock, Mohave County.	340	109. Peabody Mine, Cochise County.	340
Copper ore.	340	per ore.	340
104a. Dan Carroll Group, Gila County.	340	109a. Powell, Sam, Yavapai County.	340
Copper ore.	340	per ore.	340
104b. DeKuhn, R., Yavapai County.	340	110. Pure Metal Mine, Mohave County.	340
Copper ore.	340	Copper ore.	340
104c. DeLarge, Robert, Yavapai County.	340	110a. Reward Mine, Pinal County.	340
Copper ore.	340	ore.	340
104d. Detroit Copper Co., Graham County.	340	110b. Roach, Thomas, Yavapai County.	340
Copper ore.	340	Copper ore.	340
104e. Dime Mine, Gila County.	340	110c. Seydow & Garrett, Cochise County.	340
ore.	340	Copper ore.	340
105. Fall, J. E., Cochise County.	340	110d. Silver Bell Mine, Pima County.	340
ore.	340	per ore.	340
106. Gattrell, Donnelly & Co., Cochise County.	340	110e. Sines, George, Yavapai County.	340
Copper ore.	340	per ore.	340
106a. Grubb, D., Yavapai County.	340	110f. Sixty Per Cent Mine, Pima County.	340
Copper ore.	340	Copper ore.	340
106b. Hoosier Group, Gila County.	340	110g. St. Louis Mine, Pima County.	340
ore.	340	per ore.	340
106c. Hudson, A. J., Yavapai County.	340	110h. True Blue Mine, Gila County.	340
Copper ore.	340	per ore.	340
107. Imperial Mine, Cochise County.	340	110i. United Globe Co., Gila County.	340
Copper ore.	340	per ore.	340
107a. Jones, John S., Yavapai County.	340	111. United Verde Copper Co., Yavapai County.	340
Copper ore.	340	Copper ore.	340
107b. Kelly, Captain, Graham County.	340	111a. Wight, A., Graham County.	340
Copper ore.	340	ore.	340
107c. Key West Mine, Graham County.	340	111b. Williams, Fred, Yavapai County.	340
Copper ore.	340	Copper ore.	340
107d. Last Chance Mine, Yavapai County.	340	112. Wisconsin Mine, Cochise County.	340
Copper ore.	340	Copper ore.	340
107e. Lone Pine Mine, Graham County.	340		
Copper ore.	340		
107f. Longfellow Mine, Graham County.	340		
Copper ore.	340		
108. Martinez, M., & Co., Mohave County.	340		
Copper ore.	340		
108a. Mulversdn & Roach, Yavapai County.	340		
Copper ore.	340		
108b. Old Dominion Mining Co., Gila County.	340		
Copper ore.	340		

## GROUP 54.

113. Antimony Mine, Pima County.	Antimony.
114. McNary, R. C., Yavapai County.	Cinnabar ore.

# CALIFORNIA.

## LOCATION—SEC. N, 34.

Minerals, Combustibles, Quarry Products, Cements, Salts, Aluminum, Copper, Etc.

### GROUP 42.

Exhibit No.	Class'n No.
1. Miller, E. B., Los Angeles. Free milling gold ore.	291
2. Morrow, W. S., Orange County. Yellow carbonate.	291
3. Santiago Mining Co., Orange County. Dark galena, silver and lead ores.	291
4. Shirley, J. W., Orange County. Silver and lead ores.	291
5. Shirley & Wood, Orange County. Silver and lead ores.	291

### GROUP 43.

6. Union Oil Co., Santa Paula. Asphaltum.	293
7. Petroleum, illuminating and lubricating oils.	294

### GROUP 44.

8. Beading Bros., Los Angeles. Soapstone.	296
9. Edwards, M. A. Building stone in cubs and keystone.	296
10. Inyo Marble Co., San Francisco. Marble.	296
11. Kessler Bros., San Francisco. California onyx.	296

### GROUP 47.

Exhibit No.	Class'n No.
12. Alpine Plaster & Cement Co., Los Angeles. Gypsum.	313
13. Gulich, W. N., Orange County. Gypsum.	313

### GROUP 48.

14. Plummer Bros., Alameda, California. crystal salt.	314
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### GROUP 50.

15. Day, Richard, San Diego. Aluminum.	335
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### GROUP 51.

16. Shirley, J. W., Orange County. Copper ores.	340
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### GROUP 54.

17. Mathison Smelting Co., San Francisco. Star antimony.	356
18. Irvine, James, Orange County. Quicksilver.	359

## COLORADO.

LOCATION—SEC. N, 20.

Minerals, Combustibles, Quarry Products, Grinding Substances, Graphite, Etc.

## GROUP 42.

Exhibit No.	Class'n No.
1. Bell & Barber, Villa Grove. Turquoise.	291
1a. Breckenridge. Crystallized and wire gold.	291
1b. Burnett & Tays, Gunnison. Minerals and ores.	291
2. Colorado School of Mines, Golden. Minerals of Colorado.	290
3. Colorado Scientific Society, Denver. Eruptive rocks, meteorite.	291
4. Cotton, Mrs. A. L., Silverton. Minerals.	291
5. Fuller, F. W., Irwin. Silver ores.	291
7. Jennings, N., Gunnison. Minerals and ores.	291
8. Ladies of Canon City, Canon City. Collection of minerals.	290
9. Mininger, Frank, & Pierson, J. H., Ouray. Minerals and ores.	291
10. Reynolds, F. A., Canon City. Gold Petzite ores from the Butler mine.	291
12. Tingley, S. Wood, Leadville. Gold ores from the Lilian mine.	291
13. Walker, Willis, Castle Rock. Agates and crystals.	291
14. Williams, D. J., Silverton. Minerals and ores.	291
15. Wood, Henry E., Denver. Silver roses.	291

## GROUP 43.

16. Atchison, Topeka & Santa Fe R. R. Co., Denver. Coal and coke.	292
17. Colorado Fuel & Iron Co., Denver. Coal and coke.	292
18. Natural Oil & Gas Co., Meeker. Natural lubricating oil.	294
19. Rocky Mountain Oil Company, Pueblo. Petroleum and its products.	294
20. United Coal Company, Denver. Coal and coke.	292
21. White Rock Oil, Gas & Mineral Prospecting Co., Boulder. Natural lubricating oil	294

## GROUP 44.

22. Ackroyd, E., & Co. Denver. Lava stone.	296
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Exhibit No.	Class'n No.
23. American Red Stone Company, Denver. Red sandstone.	296
24. Bond, Dr., Boulder. Sandstone.	296
25. Colorado Marble & Mining Co., Denver. Marble.	296
26. Geddis & Seerie, Denver. Granite.	296
27. Greenlee & Sons, Denver. Red sandstone.	296
28. Griffith, Philip, Coal Creek. Sandstone.	296
29. Kelly, D. J. & Co., Denver. Marble.	296
31. Martin & Gray, Denver. Granite.	296
32. McGilvray, J. D., & Co., Denver. Granite, sandstone and alabaster.	296
33. Sites & Buell, Denver. Sandstone.	296
34. Snider Stone & Lime Co., Denver. Sandstone.	296
35. Walker, Willis, Castle Rock. Agates.	296
36. Weaver, Geo., Denver. Marble.	296

## GROUP 45.

37. Colorado Turkey Honestone Company Morrison. Grindstones, hones and whetstones.	297
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## GROUP 46.

38. Colorado Hammer Brick Company Pueblo. Clay and brick.	300
39. Golden Pressed Brick Company Golden. Clays and bricks.	300
40. Hoyt, C. P., Golden. Clays, kaolin and silica.	300
41. Railroad Mica Lubricating Company Denver. Ground mica.	300

## GROUP 47.

42. Denver Gypsum Company, Denver. Gypsum.	310
43. English, R. W., Company, Denver. Raw and burned lime.	360
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## Minerals, Ores, Native Metals, Gems and Crystals, Geological Specimens.

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257. Parfet, John M., Salmon City. Copper ores; quartz and crystals.	340
258. Patterson, J. S., Ellis. Copper ores.	340
259. Pearce, L. B., Albion. Copper pyrites and lead ore.	340
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261. Ramshorn Mining & Smelting Co., Bay Horse. Copper ores, etc.	340
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## Salt, Library Department.

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No.

48. Dickinson, J. D., & Co., Malden.  
 a Table and dairy.  
 b Fine.  
 c Common fine.
49. Liverpool Salt & Coal Co., Mason City. Commercial fine.
50. Howe Salt & Coal Co., Mason City. Dairy.

**LIBRARY DEPARTMENT.**

(South End of West Gallery.)

1. American Institute of Mining Engineers, New York.  
 Twenty volumes, Transactions of American Institute of Mining Engineers.
- 1a. American Book Co., New York.  
 Seven volumes on geology, etc.
2. Black Diamond Publishing Co., Chicago.  
 Two volumes, Black Diamond, 1892.
- 2a. Blackie & Son, London.  
 One volume on geology.
- 2b. Burchard, H. C., Freeport, Ill.  
 Computations of bullion values.
- 2c. Callaghan, & Co., Chicago.  
 Fifteen volumes "Mining Reports."
- 2d. Chain & Hardy Book Co., Denver, Col.  
 One volume "Mining Rights."
- 2e. Chapman & Hall, London, England.  
 Metallurgical charts.
- 2f. Colliery Engineer Co., Scranton, Pa.  
 Five volumes "Colliery Engineer."
- 2g. Colorado Scientific Society, Denver, Col.  
 Three volumes of proceedings.
- 2h. Colorado State School of Mines, Golden, Col.  
 Two volumes on Colorado coal deposits.
- 2i. Davis, Chas. F., Indianapolis, Ind.  
 One volume "Brickmaker."
- 2j. Dewey & Co., San Francisco, Cal.  
 One volume "Mining & Scientific Press."
3. Eden Fisher Publishing Co., London, England.  
 One volume Florida, South Carolina and Canada Phosphates.
4. Engineering Magazine Publishing Co., New York.  
 Three volumes Engineering Magazine.
5. Geological Publishing Co., Minneapolis, Minn.  
 Two volumes American Geologist.
- 5a. Goldthwaite, Wm. M., New York.  
 One volume of "Minerals Magazine."
- 5b. Harper Bros., New York.  
 Two volumes on geology, mining, etc.

Exhibit  
No.

- 5c. Haferkorn, H. E., Milwaukee, Wis.  
 Lists of works on mining, metallurgy, etc.
- 5d. Haight, R. J., Chicago.  
 One volume "Monumental News."
- 5e. Houghton, Mifflin & Co., Boston.  
 Two volumes on geology.
- 5f. Industrial World Co., Chicago.  
 One volume "Industrial World and Iron Worker."
- 5g. Iron Trade Review Co., Cleveland, O.  
 One volume "Iron Trade Review."
- 5h. Journal of Commerce Publishing Co., Baltimore, Md. One volume "Baltimore Journal of Commerce."
- 5i. Maxwell & Son, W. London.  
 Two volumes on mining.
- 5j. Missouri Geological Survey, Jefferson City, Mo.  
 Five volumes of geological reports.
- 5k. McFarland & Nolan, Buffalo, N. Y.  
 One volume "Iron Industry Gazette."
6. National Iron & Steel Publishing Co., Pittsburg, Pa.  
 Two volumes American Manufacture and Iron World.
7. Prussian Ministry of Commerce and Trade, Berlin, Germany.  
 150 volumes, Mineralogy, Geology, Metallurgy, etc.
8. Ranck, D. H., Publisher, Indianapolis, Ind.  
 One volume of "Stone."
- 8a. Roebling Sons Co., J. A., New York.  
 Work on wire rope underground haulage.
9. Randall, T. A., Publishing Co., Indianapolis, Ind.  
 One volume "Clay Worker."
10. Seward, Fred E., Publisher, New York.  
 One volume "Coal Trade Journal."
11. Sanborn, J. T., Publishing Co., Chicago.  
 One volume "Coal Dealers Blue Book."
12. Scientific Publishing Co., New York.  
 Sixteen volumes, books on Geology, Mineralogy, Metallurgy, Gems and Precious Stones, etc.
13. Thomas, F. H., Law Book Publishing Co., St. Louis.  
 Four copies "American Mining Law."
14. Trenton Iron Co., Chicago.  
 One volume "Wire Rope Transportation in all its branches."
15. University of State of New York, New York.  
 Seventeen volumes, Natural History of New York.  
 Three volumes, Bulletin of New York State Museum.

## Library Department, Miscellaneous.

**Exhibit**  
No. 16. Wadsworth, H. L., Publisher, Denver, Col.

One volume, Mining and Scientific Review.

17. United States Geological Survey, Washington, D. C.

Ninety volumes, Mineral Resources, Annual Reports, Bulletins, etc.

17a. Wheeler, S. J., Chicago.. Geological charts.

18. Wiley & Sons, J., Publishing Co., New York.

Two volumes, American Foundry Practice and Moulder's Text Book.

19. Williams, David, Publisher, New York. Ten volumes, "Carpentry & Building."

Thirty volumes, "Iron Age."

Twenty volumes, "Metal Worker."

### Loan Exhibit of Mr. George F. Kunz.

20. Printed books and pamphlets from the 15th century to the present time, treating of mines, mining, metallurgy, mineralogy, geology, precious stones, etc.

21. Scientific journals treating on the above subjects.

22. Manuscripts from the 14th century on the same subjects.

23. A series of books illustrating the history of the literature on precious stones, beginning with the manuscripts of the 14th century up to the present time.

24. A collection of literature illustrating a collection of jade up to the present time.

25. Collection of literature illustrating the subject of amber.

26. Collection of literature illustrating mineralogical works from the earliest to the most important ones of the present.

27. Collection of works illustrating mining literature from the time of Agricola to the present.

28. Works on mining, gems, metallurgy, etc., contributed by various publishers.

The whole collection comprises about 3,000 volumes and 4,000 pamphlets.

### READING ROOM.

(South End of West Gallery.)

Wheeler's Geological Charts, American Geologist, Engineering Magazine, Minerals, Stone, Popular Science Monthly, Engineering News, Commercial Bulletin, Ohio Valley Manufacturer, Manufacturers' Record, Black Diamond, Canadian Manufacturer and Industrial World, Iron Industry Gazette, The Iron Age, Monumental News, Pottery and Glassware Reporter, Boston Journal of Commerce, Iron and Steel Trades Journal, Paving and Engineering, The Age of Steel, The Clay Worker, Water and Gas Review, Industrial World, The Mining World, Iron and Coal Trades Review, The Bulletin, The Mining Industry, Railway Master Mechanic, Boston Journal of Commerce, The Metal Worker, Railroad Gazette, The Colliery Guardian, Mining Industry and Tradesman, Railway Review, Ores and Metals, Mining and Scientific Press, American Manufacturer and Iron World, Commercial Bulletin, Colliery Engineer, The Western World, Iron Colliery Manager, Iron and Coal Trades Review, Engineering and Mining Journal, Journal of Geology, etc.

## ARIZONA.

LOCATION—SEC. Q, 30.

## Minerals, Ores, Native Metals, Gems and Crystals, Geological Specimens.

## GROUP 42.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
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and lead ores.	291	10b. Cheyney, W. J., Pima County.	Silver and lead ores.
1a. Allen, D., Pima County.	Silver, gold and lead ores.	10c. Chief Mine, Pima County.	Gold, silver and lead ores.
291		10d. Choctaw Mine, Pima County.	Silver and lead ores.
1b. Anderson, L. E., Yavapai County.	Gold and silver ores.	10e. Cinnonas Mine, Pima County.	Silver and lead ores.
291		10f. Clark, A. C., Pima County.	Silver and gold ores.
1c. Argosy Mine, Pinal County.	Silver ore.	10g. Clark, Ed., Pima County.	Silver and lead ores.
291		10h. Clark, William, Pima County.	Silver ore.
1d. Arnold, Fred, Yavapai County.	Gold and silver ores.	10i. Clonliss Mine, Pima County.	Gold silver and lead ores.
291		11. Coalbank Mine, Cochise County.	Gold and lead ores.
1e. Austerlitz Mining Co., Pima County.	Gold and silver ores.	11a. Colles, J. S., Yavapai County.	Gold and silver ores.
291		11b. Congress Gold Mining Co., Yavapai County.	Gold and silver ores.
1f. Bain, T. C., Cochise County.	Gold ore.	12. Contention Mine, Cochise County.	Gold and silver ores.
291		13. Contention Mining Co., Cochise County.	Gold, silver and lead ores.
2. Bartholomew, J. W., Cochise County.	Gold and silver ores.	14. Cook, H., Cochise County.	Silver and lead ores.
291		15. Cook & Smith, Cochise County.	Silver ore.
3. Baron, A., & Co., Cochise County.	Lead, silver and zinc ores.	16. Copper Queen Consolidated Mining Co., Cochise County.	Silver ore.
291		17. Cottonwood Mine, Cochise County.	Gold and lead ores.
4. Barrett, T., & Bauer, Cochise County.	Silver and lead ores.	18. Cougar Mining Co., Yavapai County.	Gold, silver and lead ores.
291		19. Cross & Hitchcock, Mohave County.	Gold and silver ores.
4a. Bashford & Co., Yavapai County.	Gold and silver ores.	19a. Curry, George H., Yavapai County.	Gold and silver ores.
291		19b. Davis, W. C., Pima County.	Gold ore.
4b. Bauman, Jules, Yavapai County.	Gold, silver and lead ores.	20. Dennis & Lynch, Mohave County.	Silver ore.
291		20a. De Dumas, Mr., Yavapai County.	Gold ore.
4c. Berray, N. S., Gila County.	Lead ore.		
291			
5. Berry, Cameron & Gale, Cochise County.	Gold and silver ores.		
291			
6. Blackfoot Mine, Mohave County.	Gold and silver ores.		
291			
6a. Blue Bird Mine, Pima County.	Silver and lead ores.		
291			
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291			
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291			
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108. Martinez, M., & Co., Mohave County.	
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9. Plymouth Quarry Co., Thomaston. Granite.	296
10. Shaler & Hall Quarry Co., Portland. Brownstone.	296
11. Stony Creek Red Granite Co., Stony Creek. Red granite.	296
12. Wolcott, Chas. O., Buckland. Red sandstone.	296

# FLORIDA.

## LOCATION—GALLERY S, 29.

### Phosphates.

#### GROUP 42.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Alachua County. Collection of phosphates.	291	13. Lee County. Collection of phosphates.	291
2. Baker County. Collection of phosphates.	291	14. Leon County. Collection of phosphates.	291
3. Bradford County. Collection of phosphates.	291	15. Levy County. Collection of phosphates.	291
4. Citrus County. Collection of phosphates.	291	16. Manatee County. Collection of phosphates.	291
5. Columbia County. Collection of phosphates.	291	17. Marion County. Collection of phosphates.	291
6. De Soto County. Collection of phosphates.	291	18. Orange County. Collection of phosphates.	291
7. Hamilton County. Collection of phosphates.	291	19. Pasco County. Collection of phosphates.	291
8. Hernando County. Collection of phosphates.	291	20. Polk County. Collection of phosphates.	291
9. Hillsborough County. Collection of phosphates.	291	21. Sumter County. Collection of phosphates.	291
10. Jefferson County. Collection of phosphates.	291	22. Suwanee County. Collection of phosphates.	291
11. Lafayette County. Collection of phosphates.	291	23. Taylor County. Collection of phosphates.	291
12. Lake County. Collection of phosphates.	291	24. Turman, Solon B., Commissioner, Tampa. Collection of minerals.	291
		25. Wakulla County. Collection of phosphates.	291

# IDAHO.

## LOCATION—SEC. N, 26.

### Minerals, Ores, Native Metals, Gems and Crystals, Geological Specimens.

#### GROUP 42.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Allen, Levi, Salubria. Country rock, galena, synsite and petrification.	291	4. Badger Mining & Milling Co., Custer City. Gold, silver and lead sulphurets.	291
1a. Allen, Samuel, Hailey. Galena.	291	5. Bald Mountain Mining & Smelting Co., Ketchum. Galena.	291
2. Ambrose & Russell, Salmon City. Iron ore, pyrites, gold and silver ore, horn-silver, galena, etc.	291	6. Balkeck, Charles, Idaho City. Gold quartz; amethysts.	291
2a. Anchor, H. C., Nampa. Opals.	291	7. Barbour, M. A., Quartzburg. Gold quartz.	291
3. Anderson, Andrew, Gibbonsville. Gold and iron pyrites.	291		

## Minerals, Ores, Native Metals, Gems and Crystals, Geological Specimens.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
8. Barry, Thomas, Idaho City. Gold quartz.	291	37. Colorado Gold Mining Company, Gibbonsville. Gold and iron ores and rose quartz.	291
9. Barclay, J. C., Gibbonsville. Gold and iron pyrites.	291	38. Colorado Gold Quartz Mining Company, Gibbonsville. Gold and iron pyrites.	291
10. Beatty, Judge, Boise City. Galena.	291	39. Continental Mining & Milling Co., Custer City. Blue sulphurets, gold and silver ores.	291
11. Beate, James, Silver City. Talcose.	291	40. Coughanour, Dave, Quartsburg. Gold quartz, porphyry and vein matter.	291
12. Beatty, Mr., Hailey. Galena.	291	41. Coyle, P. A., Bellevue. Silver ore and sulphurets.	291
13. Beck & Sons, Gibbonsville. Gold and iron pyrites and quartz.	291	42. Clark, Charles, Bay Horse. Arsenites of gold, silver, copper and lead.	291
14. Berg, Charles, Custer City and Bonanza. Ores from Hope, Belcher, Captain and Hidden Treasure mines.	291	43. Clay, H. H., Bellevue. Galena.	291
15. Berry, R. W., Hailey. Steel galena.	291	44. Clayton & Omaha Mining & Smelting Co., Clayton. Ores from Silver Rule, Redbird and Skylark mines.	291
16. Black, James, Hailey. Galena.	291	45. Clipper-Bullion Mine, Salmon City. Wali rock.	291
17. Blakley & Co., Bellevue. Lead and silver ore.	291	46. Clawson, C. C., Bonanza. Ores from Bismarck and Villa Franca mines.	291
18. Bodenhamer, W. H., Sweet. Talcose.	291	47. Clayton Mining & Smelting Co., Bay Horse. Gold, silver, lead and ruby ores.	291
18a. Bolon, R., Payette. Arrow and spear heads; fossils.	291	48. Crook, A. J., Clayton. Petrified wood.	291
19. Boxwell, Frank, Salmon City. Gold, silver and iron ores.	291	49. Critcher J. I., Silver City. Iron sulphurets	291
20. Boulder Mining Company, Bonner's Ferry. Lead-silver.	291	50. Cunningham, C., Wallace. Lead ore.	291
21. Brayden, Mr., Hailey. Galena.	291	51. Custer County. Petrified wood.	291
22. Brisbine, Edward, Boise City. Galena, gold quartz and iron geodes.	291	52. Custer Mining Company, Wallace. Lead carbonates.	291
23. Brown Gum, Albion. Gold ore.	291	53. Dewey E. H., Silver City. Sulphurets, magnesian rock.	291
24. Brown & Tyler, Houston. Lead and silver.	291	54. De Lamar Mining Company, De Lamar. Sugar sand and argentite.	291
25. Bullwhacker Mine, J. Nelson. Hailey. Galena.	291	55. Dickens-Custer Company, Custer City. Silver ores.	291
26. Bunker Hill & Sullivan Mining Co., Wallace. Lead carbonates.	291	56. Dilley, Judge, Bellevue. Galena.	291
27. Burton, J. W., Custer City. Gold; silver-lead; galena; gold quartz.	291	57. Dosey, Dave, Custer City. Soda ore.	291
28. Butler & York, Gibbonsville. Gold and iron pyrites.	291	58. Drum, A. W., Centerville. Silver and quartz.	291
29. Buttercup Mining & Milling Co., Hailey. Galena.	291	59. Dyer & Marks, Spokane, Wash. Lead ore from Eureka mine, Idaho.	291
30. Calahan & Hemington. Bellevue. Galena.	291	60. Edwards, E. G., Gibbonsville. Quartz, gold and iron ores.	291
31. Campbell, D. B., Bellevue. Galena.	291	61. Elmira Silver Mining Company, Banner. Iron sulphurets, galena and silver.	291
32. Carroll Mine, Bonanza. Gold and silver ores.	291	62. Fair, Mr., Hailey. Galena.	291
33. Carroll, John, Bonanza. Silver ore.	291	63. Fay, Jerry, Gibbonsville. Gold and iron ores; quartz.	291
34. Cassidy, John, Challis. Oxide of iron.	291	64. Feour & Gearhart, Silver City. Wire silver.	291
35. Childs & Warrington, Hope. Silver ore.	291		
35a. Cochanour, William, Payette. Minerals and gems.	291		
36. Coeur de Alene Lead-Silver Mining Company, Wallace. Lead ore.	291		

## Minerals, Ores, Native Metals, Gems and Crystals, Geological Specimens.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
65. Field, Eugene J., Placerville. Gold quartz.	291	94. Idaho & Pittsburg Mining & Milling Co., Silver City. Sulphides, quartz and spar, silver nugget.	291
66. Fitzgerald, Dick, Bay Horse. Ore from Fitzgerald mine.	291	95. Ireton, William, Sweet. Gold quartz.	291
67. Flannery, Edward, Hailey. Galena.	291	96. Irwin, Isaac, Falls. Gold and silver ores.	291
68. Ford, Allie, Lemhi Agency. Gold-silver ore.	291	97. Jones, C., Idaho City. Silver quartz.	291
69. Foster & Peel, Lakeview. Lead ores.	291	98. Kingsley, Fred, Hailey. Galena and gold ore.	291
70. Fourth of July Mining & Milling Co., Custer City. Gold and silver sulphurets.	291	99. Kleufer, Emil, Ketchum. Galena.	291
71. Frame, William, Quartzburg. Galenas.	291	100. Knight, W. S., Placerville. Gold quartz.	291
72. Frenchman Mine. Galena.	291	101. Leach, F. M., Silver City. Arsenical iron.	291
73. Frenchy, Andrew, Hailey. Galena.	291	102. Lemon, Frank, Hailey. Galena and gold quartz.	291
74. Frenchy, J., Hailey. Iron pyrites.	291	103. Lemp, John, Boise City. Galena.	291
74a. Garbutt, George, Hailey. Minerals and gems.	291	104. Leonard, Robert, Sr., Silver City. Gold quartz and native silver.	291
74b. General Custer Mining & Milling Co., Custer. Ore.	291	105. Lewis, H. F., Boise City. Gold quartz.	291
75. Genot & Price, Hope. Silver ore.	291	106. Lewis, I. I., Ketchum. Galena and gold ores; pyrites; sulphurets.	291
76. Gibbon Mine, Gibbonsville. Gold and iron quartz.	291	107. Lewis & Nichols, Silver City. Gold quartz.	291
77. Gilliland & Tew, Placerville. Gold quartz.	291	108. Livingston Bros., Bay Horse. Ore from Livingston mine.	291
78. Gilmore's Estate & Chambers, Shoup. Gold quartz; pyrites; sulphurets and carbonates.	291	109. Livingston Mine, Clayton. Mineralized wood.	291
79. Gold Hill Mining Company, Quartzburg. Free gold.	291	110. Locke, E., Bellevue. Galena.	291
80. Gordon, H., Bellevue. Galenas.	291	111. Lonigan, J., Silver City. Silver ore.	291
81. Granger, Jim, Hailey. Galena.	291	112. Lucky Boy Mining & Milling Co., Custer City. Ores from Last Chance mine.	291
82. Grand Prize Mining & Milling Co., Houston. Lead-silver.	291	113. Lusk, I., Bellevue. Quartz and galena.	291
83. Granite Mining Company, Wallace. Lead ore.	291	114. Madden, John, Hailey. Gold.	291
84. Gray, C. M., Albion. Ores.	291	115. Mahoney, Ben, Albion. Ores.	291
85. Gray Eagle Mine. Silver ore.	291	116. Mammoth Mining Company, Wallace. Lead carbonates.	291
86. Guphits & Co., Bellevue. Lead-silver ore.	291	117. Maxey, W. C., Caldwell. Blue quartz.	291
87. Halverson, G. L., Gray. Gold bearing gravel.	291	117a. McCarty, John J., Bonanza. Gold nuggets.	291
88. Hecla Mining Company, Wallace. Lead ore.	291	118. McCleary, Robert, Ketchum. Galena.	291
89. Helena & Frisco Mining Co., Wallace. Lead carbonates.	291	119. McFadden, Jas. A., Custer City. Gold and silver ores and copper glance.	291
89a. Herrington, Dr., Wallace. Crystals of lead.	291	120. McFarland, Mahoney, Hailey. Galena.	291
90. Hilderbrand, Gus, Rapid River. Gold and silver ores.	291	121. McFarland, Wm., Hailey. Galena.	291
91. Hill, George P., Bellevue. Galena.	291	122. McMonigle, Pat, Hailey. Galena.	291
92. Hindman, Major, Ketchum. Sulphurets and galena.	291	123. Mefert, C. C., Centerville. Petrified pitch knot.	291
93. Hunt & Hughes, Gibbonsville. Pyrites.	291		

## Minerals, Ores, Native Metals, Gems and Crystals, Geological Specimens.

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125. Milwaukee Mining Company, Wallace. Lead carbonates.	291
126. Minnesota Mine, Silver City. Gold quartz.	291
127. Morgan, J. T., Boise City. Galena.	291
128. Morler, Chris., & Co., Challis. Galena, gold and silver ores, etc.	291
129. Morning Mining Company, Wallace. Lead ore.	291
130. Morrison & Pearson, Bonanza. Silver-gold ore.	291
131. Montana Mining Company, Bonanza. Gold ore.	291
132. Murray Columbian Club, Murray. Gold dust and gold nuggets.	291
132. Narrow Gauge Mining Company, Hailey. Galena and lead carbonates.	291
133. Niles, P. M., Albion. Ore.	291
134. Norcross, C. O., Sweet. Gold and silver ores; rose quartz.	291
135. Oakes, H., Centerville. Gold quartz; sulphurets.	291
136. O'Connell, Daniel, Bonanza. Gold quartz.	291
136a. O'Neill, C. W., Wallace. Gold nugget.	291
137. Ophir Mining & Milling Co., Ketchum. Galena.	291
138. Orifino Mining & Milling Co., Silver City. Gold quartz.	291
139. Osterhout, John, Albion. Galena.	291
140. Parfet, John M., Salmon City. Gold, silver and lead ores; galena; mineralized wood.	291
141. Patterson, J. S., Ellis. Gold, silver, copper and iron ores.	291
142. Pearce, L. B., Albion. Lead ore.	291
143. Pettingill, J. C., Albion. Gold and lead ores.	291
144. Pettingill & Osterhout, Albion. Galena.	291
145. Phillips, Fred., Challis. Gold, silver and lead ores, etc.	291
146. Phillips & Sullivan, Silver City. Tal-cose quartz.	291
147. Plowman, K. P., Boise City. Gold quartz.	291
148. Poncia & Oakes, Centerville. Quartz and galena.	291
149. Porter, Orin, Hailey. Galena.	291
149a. Portland Mining Co., Wallace. Galena ores.	291
149b. Powell & Co., Challis. Galena.	291
150. Powell, Charles, Challis. Silver, lead and zinc ores.	291

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152. Ralston, Jack, Shoup. Gold quartz; sulphurets and oxides; milling ore.	291
153. Ramshorn Mining & Milling Co., Bay Horse. Silver and iron ores; galena; arsenite.	291
154. Ramshorn Mining & Smelting Co., Bay Horse. Carbonate of iron ore and arsenites.	291
155. Rebolt, George, Warrens. Gold and silver ores.	291
156. Red Cloud Mining Company, Hailey. Galena.	291
157. Red Elephant Mining Company, Hailey. Galena ores.	291
158. Reinhardt & Melick, Bellevue. Galena.	291
159. Rhoads, William, Caldwell. Galena.	291
160. Roberts, A. B., Albion. Ore.	291
161. Roberts & Normington, Bellevue. Lead-silver ore.	291
162. Robinson, E., Hailey. Lead carbonates.	291
163. Robinson & Beatty, Hailey. Iron pyrites and galena.	291
164. Schlosser, H. H., Centerville. Gold quartz.	291
165. Schultz, W. C., Gray. Gold ore; free quartz.	291
166. Sherai, M., Hope. Silver ore.	291
167. Shoup, George L., & Co., Salmon City. Gold and silver ores; galena, etc.	291
168. Sierra Nevada Mining Company, Wallace. Lead carbonates.	291
169. Simpson, B. F., Banner. Gold quartz.	291
170. Smiley, J., Houston. Brittle silver.	291
171. Snively, J. C., Centerville. Gold quartz.	291
172. Snyder & Hardy, Spokane, Wash. Lead ore from Alta mine.	291
173. Southand, H., Ogden. Galena.	291
174. Star Mining Company, Hailey. Galena.	291
175. State of Idaho. Iron pyrites from Idaho Penitentiary well; sapphires from Stanley Basin; wall rock from Estes Mountain; milling ores from Sea Foam District; ore samples from Wallace, Seven Devils and Valley Creek; quartz crystals from Bonanza; cinnabar from Loon Creek; honey comb quartz from Bolton Hot Springs; gold and silver ores and petrifications from Deer Trail Creek; black lime from Alturas; ruby sand from Jim Hays Placer; gold ores from vicinity	

## Minerals, Combustibles, Building Stone and Quarry Products, Grinding Substances.

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of Nellie Mine; floating rock from Market Lake; prospects from gold belt west of Bellevue; ornamental stones from Willow Creek; wall rock from Belshazzar; quartz crystals and pebbles from Deadwood; petrifications from Challis; mastodon tooth from Blackfoot; mammoth tooth from Bear River; amethysts from Centerville placers; sulphurets and ores from Kootenai County.	291
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177. Strathern, William, Bay Horse. Arsenites.	291
178. Sullivan, I. N., Hailey. Lead ore.	291
179. Sullivan & Co., Hailey. Lead-silver ore.	291
180. Suydam, Eli, Salmon City. Gold and iron quartz.	291
181. Swanson & Warren, Ketchum. Lead-silver ore and galena.	291
182. Swift, J. O., Hailey. Gold quartz and galena.	291
183. Taylor, Frank, Hailey. Galenas.	291
184. Taylor, Mr., New York. Galena from Naioq mine.	291
184a. Thomas, John, Hailey. Steel galena.	291
184b. Thompson, J. H., Bellevue. Gold pyrites.	291
185. Thompson, J. S., Bellevue. Iron pyrites.	291
186. Thompson & Howe, Challis. Gold ore and lead quartz.	291
187. Tiger Mining Company, Wallace. Tiger ore.	291
188. Tobes & Henderson, Hope. Silver ore.	291
189. Tolmie, Mr., DeLamar. Oxides of iron.	291
190. Valley View Mine, E. B. True, Hailey. Galena.	291
191. Vance, Clay, Houston. Gold quartz; silver sulphurets; antimonial ore.	291
192. Vigus, Samuel, Custer City. Silver-lead galena; gold quartz.	291
193. Wardrop, William, DeLamar. Talc ores; gold nugget; talcose.	291
194. Washington County. Black sand; garnets; block galena.	291
195. Washington Mine, Bonanza. Wire gold; wall rock; pyrites; crystal.	291
196. Waters, J. S., Challis. Silver and lead ores.	291
197. Waters & Joyce, Challis. Gold, silver, lead and zinc ores; arsenites.	291
198. Watt, W. H., Hailey. Galena.	291
199. Watts, J. G., Idaho City. Gold nuggets; flour gold from Iowa mine.	291

Exhibit No.	Class'n No.
200. Watts, Mrs. J. G., Idaho City. Idaho minerals.	291
201. Wayne, Charles, Bonanza. Badger ore.	291
202. Weber, F., Hope. Silver ore.	291
203. Wentz, George, Salmon City. Gold and iron ores.	291
204. Western Reserve Mining Company, Hailey. Galena.	291
205. White, E. A., Hailey. Pyrites.	291
206. Whitmer, Dave, Bellevue. Galena.	291
207. Whitmore, George, Shoup. Gold and iron quartz.	291
208. Whitney, H. H., Centerville. Quartz, and porphyry with gold.	291
209. Williams, Crossin & McKay, Idaho City. Sulphurets with gold.	291
210. Williams, E. B., Ketchum. Galena.	291
211. Winters, General, Erie. Sulphurets.	291
212. Wise, J. H., Albion. Galena from Dominion group.	291
213. Wright, D. S., Lemhi Agency. Gold, silver and iron ores.	291
213a. You Like Mining Co., Mullan. Plattnerite.	291
214. Young, L., Bellevue. Galena.	291
214a. Young, Mrs. L., Bellevue. Galena.	291

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## GROUP 44.

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217. Canon & Gray, Hope. Marble.	296
218. Hield, C. K., Albion. Building stone.	296
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221. Roberts, A. B., Albion. Marble and granite.	296
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227. Johnson, Frank, Hope. Clay and products.	304
228. Latah County. Mica.	305
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230. Roberts, L., & J., Taylor. Pottery made from Lewisville clays.	304
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233. State of Idaho. Asphaltum from Sucker Creek; pitch stone from Squaw Butte.	312

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240. Ambrose & Russell, Salmon City. Copper ores; copper quartz, etc.	340
241. American Mining Company, Helena. Copper ore.	340
242. Barton, Edward, Weiser. Copper.	340
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244. Boxwell, Frank, Salmon City. Copper ores.	340
245. Clayton & Omaha Mining and Smelting Co., Clayton. Copper ore.	340
245a. Drake, Colonel, Salubria. Copper ore.	340
246. Edwards, A. C., Spokane, Wash. Copper ores.	340
247. Ford, Allie, Lemhi Agency. Copper and silver-copper ores.	340
248. Gilmore's Estate & Chambers', Shoup. Sulphurets of copper.	340
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250. Knickerbocker Mining Company, Wallace. Gray copper.	340

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253. Mineral Point Mining Company, Wallace. Gray copper.	340
254. Mix, C. E., Seven Devils, Oregon. Copper ore.	340
255. Nellie Mining Company, Wallace. Gray copper.	340
256. Norcross, C. O., Sweet. Oxides of copper.	340
257. Parfet, John M., Salmon City. Copper ores; quartz and crystals.	340
258. Patterson, J. S., Ellis. Copper ores.	340
259. Pearce, L. B., Albion. Copper pyrites and lead ore.	340
260. Phillips, Fred., Challis. Copper ores; pyrites; silver-copper, etc.	340
261. Ramshorn Mining & Smelting Co., Bay Horse. Copper ores, etc.	340
262. Ramshorn Mining & Milling Co., Bay Horse. Gray copper ore.	340
263. Sharp & Pearce, Challis. Copper and copper-silver ores.	340
264. Shoup, Geo. L., & Co., Salmon City. Copper quartz.	340
265. State of Idaho. Copper from Clayton and ore from Golden Eagle.	340
266. Statham & Jaquish, Bay Horse. Copper ore.	340
267. Taylor & Smith, Boston. Copper ores.	340
268. Tin Cup Mining Company, Wallace. Gray copper.	340
269. Thompson & Howe, Challis. Silver-copper ores.	340
270. Tyler, Frank, Houston. Copper ore.	340
271. Van Noy, A., Camas. Copper ore.	340
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273. Walker, C. E., Seven Devils. Copper.	340
274. Wright, D. S. Lemhi Agency. Copper ores.	340

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276. Hathaway, F. M., Silver City. Tin ores.	344
277. Hathaway, H. M., Silver City. Tin ore.	344
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## Antimony, Extraction of Gold and Silver, History of Mining.

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## ILLINOIS.

## LOCATION—GALLERY T, 10.

## Clays and other Fictile Materials and their Direct Products.

## GROUP 46.

## Collective Exhibit of the Illinois Brick and Tile Association.

The Illinois Brick & Tile Association, representing the following exhibitors of Illinois clay and clay products, earnestly invite all visitors to the "World's Fair" to visit their exhibit at the above location, which comprises an exhibit of the different commercial clays of the state for the manufacture of the following articles: Terra-cotta, Sewer Pipe, Paving Brick, Drain Tile, Stone ware, Rockingham and Yellow ware, Chimney Tops, Flue Linings, Fire Brick, Building Brick, including also Potters' Clay, Fire Clay, Slip Clay and Shale.

No field offers greater inducements for the legitimate investment of capital than the development of their vast clay deposits.

They especially invite correspondence relative to the clay and clay manufactures of their state, in order that at the close of the World's Fair they may be in possession of sufficient data to enable them to publish a complete history of their vast deposits, their manufacturers, together with full details of capital employed and value of yearly output. Respectfully,

J. E. Chandler, President.  
Wm. Hammerschmidt, V.-Pres.  
G. C. Stoll, Secretary.  
Jos. Stafford.

Exec.  
Com.

Address all communications to Illinois Clay Exhibit, northeast gallery Mines and Mining Building, World's Fair.

Exhibit No.

1. American Ceramic Co., Terra Cotta.
2. Alexis Stoneware Co., Alexis. Stoneware and clay.

Exhibit No.

3. Alexis Tile & Brick Co., Alexis. Brick, tile and clay.
4. Alton Paving, Building Brick & Fire Clay Co., Alton. Brick and shale.
5. Anderson & Leonard, Roberts. Tile, brick and clay.
6. Bronough Bros., Virden. Pottery.
7. Bardolph Fire Clay Works, Bardolph. Fire clay, tile, sewer pipe and brick.
8. Bushnell Pressed Brick & Tile Co., Bushnell. Brick.
9. Capron Brick & Tile Co., Capron. Brick and tile.
10. Danville Brick & Tile Co., Danville. Clay and brick.
11. Dawson & Son, Springfield. Clay, brick and shale.
12. Ellcock & Seltzberger, Springfield. Paving brick and shale.
13. Eagle Pottery Co., Macomb. Stoneware and clay.
14. Elmhurst-Chicago Stone Co., Elmhurst. Building brick and clay.
15. Good Hope Tile Co., Good Hope. Clay and tile.
16. Hutsonville Brick & Tile Co., Hutsonville. Clay, shale and brick.
17. Hamer, Wm., Vermont. Brick and clay.
18. Jo Daviess County Clay, Terminal of Great Western Ry. Clay.
19. Ludquist, D.W., Cable. Brick and tile.
20. Leaman Clay Co., Leaman. Brick, tile and shale.
21. Lombard Brick & Tile Co., Lombard. Tile, brick and clay.
22. Macomb Pottery Co., Macomb. Stoneware.
23. Monmouth Mining & Manufacturing Co., Monmouth. Sewer pipe and clay.
24. Monmouth Pottery Co., Monmouth. Stoneware.

## Clays and Other Fictile Materials and their Direct Products.

Exhibit No.	
1.	Meister & Son, Springfield. Brick, tile and clay.
2.	Naperville Drain Tile & Brick Works, Naperville. Clay, tile and brick.
3.	National Clay Co., Rock Island. Brick and clay.
4.	Pike & Castle, Chenoa. Drain tile.
5.	Peoria Paving Block Co., Peoria. Brick and clay.
6.	Pioneer Brick Co., Galesburg. Brick and shale.
7.	Washington Paving Brick Co., Galesburg. Brick and clay.
8.	Reisting, Wm., Colchester. Clay and tile.
9.	Russell, S., Macomb. Clay.
10.	Sibley Tile & Brick Co., Sibley. Drain tile, brick and clay.

Exhibit No.	
34.	Smith, D. W., Springfield. Brick and clay.
34a.	Smithfield Clay Co., Smithfield. Slip clay.
35.	Stoll, G. C., Grant Park. Brick, tile and clay.
36.	Solfishburg, C., Aurora. Brick and clay.
37.	Spurck Paving Brick Co., Peoria. Paving brick and clay.
38.	Trecker Bros., Odell. Clay and tile.
39.	Utt, D. W., Springfield. Brick and clay.
40.	Walter, Geo. J., & Co., Chatsworth. Tile, brick and clay.
41.	Willson, F. D., Elburn. Tile and clay.
42.	Wessels, G. H., & Sons, Crescent City. Tile, clay and brick.

## INDIANA.

## LOCATION—SEC. N, 14.

## Mineral Combustibles, Building Stone and Quarry Products.

## GROUP 43.

Exhibit No.	Class'n No.	
1.	292	Coal Bluff Mining Co., Terre Haute. Coal.
2.	292	Currys ville Coal Co., Shelburn. Coal.
3.	292	Eureka Block Coal Co., Terre Haute. Coal.
4.	292	Little, S. W., Evansville. Coal.
5.	292	Martin, Joseph, Rosedale. Coal.
6.	292	Otter Creek Mining Co., Coal Bluff. Coal.
7.	292	Paulin, Frank S., Cannelton. Coal.
8.	292	Shelburn Coal Co., Shelburn. Coal.
9.	292	Thiry, John N., Selvia. Coal.

## GROUP 44.

1.	296	Acme Bedford Stone Co., Bedford. Stone.
2.	296	Alexandria Stone Co., Alexandria. Stone.
3.	296	Beach, Joel, Holton. Limestone.
4.	296	Beck & Purviance, Huntington. Stone.
5.	296	Bedford Blue Stone Co., Bedford. Stone.

Exhibit No.	Class'n No.	
23.	296	Bedford Stone Co., Bedford. Cap for columns.
24.	296	Bedford Stone Co., Indianapolis. Stone.
24a.	296	Bernhart Bros., Attica. Stone.
24b.	296	Berry Bros., River Vale. Stone.
24c.	296	Berry, M. B. & Son, Stinesville. Stone.
24d.	296	Big Creek Stone Co., Stinesville. Stone.
25.	296	Bodenschatz Stone Co., Bedford. Limestone.
25a.	296	Braxton, T. N., Paoli. Stone.
26.	296	Brickley, F. A., Markle. Granite.
27.	296	Brownell, C. H., Peru. Limestone.
28.	296	Central Oolitic Limestone Co., Bloomington. Limestone.
28a.	296	Chicago & Bedford Stone Co., Bedford. Stone.
29.	296	Chillaux, J. A. & Bro., Georgia. Stone.
30.	296	Cross & Rowe, Bedford. Stone statue.
31.	296	Defenbaugh, Geo. W., Kokomo. Marble.
32.	296	Greensburg Limestone Co., Greensburg. Limestone.

## Building Stone and Quarry Products, Graphite, Clays, Etc.

Exhibit No.	Class'n No.	Exhibit No.
33. Haman Bros., Vernon. Limestone.	296	51. Chicago Sewer Pipe Co., Brazil. products.
34. Harris, B. B., Greensburg. Limestone.	296	51a. Clark, A. D., Cannelton. Clay.
34a. Holloran & Zink, Salem. Stone.	296	52. Columbia Encaustic Tile Works. derson. Clay products.
35. Hunter Stone Co., Bloomington. Limestone.	296	52a. Davis, Sol., Washington. Plaster clay.
35a. Kemper Brownstone Co. Kemper brownstone.	296	53. Dickenson, F. E., Walcottville. Pressed brick.
36. Lee, Joseph, Terre Haute. Limestone.	296	53a. Felter, Henry, Noblesville. Clay.
37. Moellering, William, Fort Wayne. Limestone.	296	53b. Fields, Stephen, Williamsport.
38. Peerless Stone Co., Bedford. Stone.	296	53c. Galloway, G., Attica. Clay.
39. Perry Brothers, Ellettsville. Stone column.	296	53d. Gardner, Dr., Bedford. Kaolin.
40. Perry, Matthews & Buskirk, Bedford. Stone.	296	53e. Garrison's Brick Yard, Bloomington. Clays.
40a. Pauline & Uhline, Cannelton. Stone.	296	54. Gilman, Weaver, Brazil. Pottery.
41. Salem Bedford Stone Co., Louisville, Ky. One stone column, one square stone.	296	54a. Goodyear, J. W., Bluffton. Clay.
42. Salem & Bedford Stone Co., Salem. Limestone.	296	54b. Graham, James, Covington. Clay.
42a. Salem Stone Quarry, Salem. Stone.	296	54c. Gray, Samuel, Terre Haute.
42b. Schweitzer, B., Spencer. Stone.	296	54d. Groves, Thomas, Wabash. Clay.
43. Shrum, John L., Crawfordsville. Stone.	296	54e. Hasdy, P. D., Dover Hill. Clay.
44. Scanlan, J. L., St. Paul. Stone.	296	54f. Harper, Smith, Bedford. Clay.
45. Springer, John A., Clydell. Stone.	296	54g. Harris, B. F., Evansville. Clay.
45a. Spurgeon Hill Quarries, Harristown. Stone.	296	54h. Hart, S. B., Brazil. Clay.
46. The Indiana Oolitic Limestone Co., Stinesville. Stone.	296	54i. Hellwegg & Hobbs, Bloomington. Clays.
47. Trippeer, Chas., Peru. Stone.	296	55. Hobbs Pottery, Bloomington. products.
48. Whitset & Adams, St. Paul. Stone.	296	55a. Hutzer & Wenthaller, Bedford. Clay products.
49. Winstanley, W. C., Bedford. Stone column.	296	56. Hydraulic Pressed Brick Co., Peru. Clay products.
GROUP 46.		56a. Johnson, O. M., Greencastle.
49a. Aiken, Charles, Anderson. Clay.	304	56b. Jones, J. W., Mitchell. Clay.
49b. Allen, Wm., Crawfordsville. Clay.	304	56c. Jones, Z. T., Dover Hill. Clay.
49c. American Aluminum Co., Haron. Kaolin.	304	56d. Koltz, Joseph, Washington. Clay.
49d. Appilar & Co., Huntington. Clay.	304	56e. Klein, John, Evansville. Clay.
49e. Barton, H. A., Shoals. Clay.	304	56f. Martin, Alonzo, Cale. Clay.
49f. Beaver Coal Mine, Petersburg. Fire clay.	304	56g. McBride, W. A., Cale. Clays.
50. Brazil Brick and Pipe Co., Brazil. Clay products.	304	56h. McLean, Moses, Dover Hill. Clay.
50a. Brocker, Harry, New Albany. Clay shale.	304	56i. Ohio & Mississippi R. R., Mendenhall. Brick clay.
50b. Brockway Bros., Huntington. Fire clay.	304	57. Pendergast, J. G., Hillsdale. proofing.
		57a. Pennsylvania Mining Co., Hazleton. Clay.
		57b. Peterson, James, Paoli. Clay.
		57c. Pierce, Henry, Frankton. Clay.
		57d. Powell, George, Bloomington.
		57e. Sawdon, C., Jeffersonville. Clay.

## Graphite and its Products, Clays and their Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
Schutte & Co., Evansville. Brick clay.	304	59. Uhl, Mr., Evansville. Pottery.	304
Schwartz, O. W., Attica. Clay.	304	59a. Uhl's Pottery, Evansville. Fire clay.	304
Seaman, John, Covington. Clay.	304	60. United States Encaustic Tile Works, Indianapolis. Clay products.	304
Shrum, Ambrose, New Albany. Brick clay.	304	61. Wabash Clay Co., Veedersburg. Street paving brick.	304
Shumake, L., Montezuma. Clay.	304	61a. Walters, George, Safem. Clay.	304
Smith, Harper, Bedford. Clay.	304	61b. White, Otis, Huron. Clay.	304
Smith, J. S., Gosport. Brick clay.	304	61c. White, S., Veedersburg. Clays.	304
Smith, L. B., Evansville. Clay.	304	61d. Withered, Henry, Brownstown. Clay.	304
Smock, C. W., Warsaw. Clay.	304	61e. Zandells, James, Dover Hill. Kaolin, clay, clay shale.	304
Snyder, F., Liberty. Clays.	304	61f. Zeke, Philip, Washington. Clay.	304
Tiffany Pressed Brick Co., Mommence. Clay products.	304		

## IOWA.

## LOCATION—SEC. P, 33.

## Minerals, Gems and Crystals, Mineral Combustibles, Quarry Products.

## GROUP 42.

Exhibit No.	Class'n No.
Caldwell, G. W., Keokuk. Goodes.	291
Dubuque World's Fair Association, Dubuque. Lead ore, zinc (dry bone)	291
Lansing Mining and Smelting Co., Lansing. Lead ore, lead from lower Magnesian limestone.	291
Waukon World's Fair Association, Waukon. Iron ore.	291

## GROUP 43.

Centerville Coal Co., Centerville. Bituminous coal.	292
Chicago Coal Co., Seymour. Coal.	292
Crooked Creek R. R. Coal Co., High. Coal.	292
Diagonal Coal Co., Dawson. Coal.	292
Diamond Coal Co., Centerville. Coal.	292
Elora Improvement Association, Elora. Coal.	292
Ketchum, L., & Bros., Farmington.	292
Phillips Fuel Co., Ottumwa. Steam coal.	292
Raven Coal Co., Mystic. Domestic coal.	292
Standard Coal Co., Centerville. Coal.	292
Tudor Coal Co., Dawson. Coal.	292
Whitebreast Fuel Co., Ottumwa. Coal.	292

## GROUP 44.

Exhibit No.	Class'n No.
8. Adams County Association, Corning. Marble.	296
9. Bishop & Treat, Charles City. Marble.	296
10. Cedar Valley Quarry Co., Cedar Valley. Bridge stone.	296
11. Chamberlain, W. H., Independence. Granite.	296
12. Crowley, Edward, Iowa City. Mottled stone.	296
12a. Dubuque World's Fair Association, Dubuque. Specimens from caves.	296
13. Fairchild, H. W., Iowa City. Coral.	296
13a. Faus, T. W., Cherokee. Monumental design, artificial stone.	296
14. Green, J. A., Stone City. Structural limestone, carved stone fruit and flowers.	296
15. Hutchinson, Frank, Iowa City. Building stone.	296
15a. Iowa River Stone Co., Eldora. Limestone.	296
16. Irish, Gill R., Iowa City. Limestone.	296
16a. Kemper, E. G., Burlington. Brownstone (Jasper Co.).	296
17. LeGrand Quarry Co., Marshalltown. Building stone.	296
17a. Le Grand Quarry Co., Quarry. Fossil marble.	296
17b. McGregor Improvement Co., McGregor. Fossil marble.	296

## Quarry Products, Graphite, Clays, Limestone, Iron, Oxides, History of Mining.

Exhibit No.	Class'n No.
17c. Moir, M. W., Eldora. Blue limestone.	296
18. Polk, Jefferson S., Des Moines. Red buff and variegated sandstone.	296
19. State Quarry, Iowa City. Building stone.	296
19a. Sterns, W. W., Humboldt. Oolitic limestone.	296
19b. Thompson, J. K. P., Rock Rapids. Red and purple jasper.	296
19c. Treat, A. H., Charles City. Fossil marble and examples.	296
20. Waukon Association, Waukon. Limestone, marble and sandstone.	296
21. Williams, Wilkes, Postville. Building stone.	296

## GROUP 46.

22. Barnard, Charles, Waukon. Ornamental and moulding clays and sands.	304
23. Buhlman, J. H., Clayton. Silica, glass-ware.	304
24. Carter, Charles, Marengo. Brick.	304
25. Centerville Association, Centerville. Fire clay.	304
26. Clemens, Andrew, McGregor. Ornamental sand.	304
27. Clermont Brick and Tile Co., Clermont. Brick and tile.	304
28. Close, W. H., Red Oak. Pottery.	304
29. Crooked Creek Railroad Coal Co., Lehigh. Silica.	304
30. Fairchild, H. W., Iowa City. a Building and fire sand.	304
b Fire stone.	305
31. Faus, T. W., Cherokee. Artificial stone.	304
32. Granite Brick Co., Burlington. Vitrified brick.	304
33. Holman, C. J., & Bro., Sergeant's Bluff. Clay and pottery paving brick.	304
34. Indianola Brick & Tile Co., Indianola. Brick and tile.	304
35. Iowa City Association, Iowa City. Clay and brick.	304
35a. Iowa Pipe & Tile Co., Des Moines. Sewer pipe.	304
36. Johnson Co., Iowa City. Silica.	304

Exhibit No.	Class'n No.
37. Keokuk Brick and Tile Co., Keokuk. Vitrified brick.	304
38. Kettle, William, Tipton. Tile.	304
38a. McGregor Improvement Co., McGregor. Marl, clay and samples silica.	304
39. Moir, M. W., Eldora. Clays and samples, fire sand, silica.	304
40. Montpelier Tile Works, Montpelier. Tile and brick.	304
41. Muscatine Pressed Brick Co., Muscatine. Brick and clay.	304
42. Muscatine Terra Cotta Co., Muscatine. Brick.	304
43. Ottumwa Brick Co., Ottumwa. Brick.	304
44. Pella Drain Tile Co., Pella. Tile.	304
45. Shattuck, A. L., What Cheer. Fire clay.	304
46. Stone, W. B., Webster City. Artificial stone.	304
47. Waukon Association, Waukon. Brick, tile and potters' clay.	304
48. Waukon World's Fair Association, Waukon. Sands.	304

## GROUP 47.

48a. Duntombe Stacco Co., Fort Dodge. Plaster of Paris and fertilizer. Gypsum.	304
49. Fairchild, H. W., Iowa City. Granite.	304
50. Hurst, A., Maquoketa. Lime.	304
51. Iowa City Association, Iowa City. Lime.	304
53. Moir, M. W., Eldora. Limestone.	304
54. Steele, William A., Des Moines. Limestone.	304

## GROUP 48.

55. Waukon World's Fair Association, Waukon. Iron oxides and examples.	304
56. Wilkinson, L. A., Des Moines. Iron oxides and examples.	304

## GROUP 57.

57. Centerville Coal Co., Centerville. Model of plant.	304
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## KANSAS.

## LOCATION—SEC. Q., S.

Minerals, Quarry Products, Graphite, Clays, Cements, Salts, Etc.

## GROUP 42.

Exhibit No.	Class No.
1. Kansas, State of, Galena. Zinc blende and galena.	291
2. Kansas, State of, Weir City. Metallic zinc.	291
2a. Kansas, State of, Galena. Metallic zinc.	291

## GROUP 44.

3. Kansas, State of, Allen County. Limestone.	296
4. Kansas, State of, Anderson County. Limestone.	296
5. Kansas, State of, Barber County. Sandstone and gypsum.	296
6. Kansas, State of, Bourbon County. Limestone.	296
7. Kansas, State of, Brown County. Limestone.	296
8. Kansas, State of, Butler County. Limestone.	296
9. Kansas, State of, Chase County. Limestone.	296
10. Kansas, State of, Cherokee County. Limestone.	296
11. Kansas, State of, Clay County. Limestone.	296
12. Kansas, State of, Cowley County. Limestone.	296
13. Kansas, State of, Crawford County. Sandstone.	296
14. Kansas, State of, Douglass County. Limestone.	296
15. Kansas, State of, Elk County. Limestone.	296
16. Kansas, State of, Franklin County. Limestone.	296
17. Kansas, State of, Hamilton County. Limestone.	296
18. Kansas, State of, Hodgeman County. Limestone.	296
19. Kansas, State of, Jackson County. Limestone.	296
20. Kansas, State of, Jefferson County. Sandstone and limestone.	296
21. Kansas, State of, Johnson County. Limestone.	296
22. Kansas, State of, Leavenworth County. Limestone.	296
23. Kansas, State of, Lincoln County. Limestone.	296

Exhibit No.	Class No.
24. Kansas, State of, Linn County. Sandstone and limestone.	296
25. Kansas, State of, Marion County. Limestone.	296
26. Kansas, State of, Marshall County. Limestone and gypsum.	296
27. Kansas, State of, Miami County. Limestone.	296
28. Kansas, State of, Montgomery County. Sandstone and limestone.	296
29. Kansas, State of, Nemaha County. Limestone.	296
30. Kansas, State of, Neosho County. Sandstone.	296
31. Kansas, State of, Norton County. Limestone.	296
32. Kansas, State of, Osborn County. Sandstone.	296
33. Kansas, State of, Phillips County. Sandstone.	296
34. Kansas, State of, Riley County. Limestone.	296
35. Kansas, State of, Russell County. Limestone.	296
36. Kansas, State of, Saline County. Sandstone.	296
37. Kansas, State of, Wabaunsee County. Limestone.	296
38. Kansas, State of, Wallace County. Chalk.	296
39. Kansas, State of, Woodson County. Limestone and sandstone.	296

## GROUP 46.

40. Kansas, State of, Topeka. Brick, vitrified.	304
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## GROUP 47.

41. Best Bros., Medicine Lodge.	309
a Cement.	309
b Gypsum.	313
42. Kansas, State of, Blue Rapids. Cement.	309
43. Williston, S. W., Salina. Cement.	309

## GROUP 48.

44. Kansas, State of, Anthony. Ochre.	319
45. Kansas, State of, Salina. Ochre.	319
46. Kansas, State of, Lyons. Rock salt.	319

## KENTUCKY.

## LOCATION—SEC. N, 11.

## Minerals, Ores, Native Metals, Gems and Crystals, Geological Specimens.

## GROUP 42.

Exhibit No.	Class'n No.
1. Aldrie Furnace Co., Muhlenberg County. Limonite.	291
2. Ashland Improvement Company, Ashland. Limestone ore.	291
3. Barren County Improvement Co., Barren County. Limonite, brown ore.	291
4. Bath County Limonite from Pergam Bank and Clear Creek; ores from Block House and Hound Hill.	291
5. Bath County Iron Ore Co., Bath County. Limonite.	291
6. Bear Creek Mining Co., Edmonson County. Limonite, chert.	291
7. Beaver Creek Mineral Co., Maniffee County. Limonite.	291
8. Bell County Iron Co., Bell County. Limonite, brown ore.	291
9. Bennett, John, Madison County. St. Louis soil.	291
11. Blockhouse Iron Co., Bath County. Limonite.	291
12. Buel, D. C., Paradise. Limonite.	291
13. Burnam, A. R., Madison County. Middle Hudson soil.	291
14. Center Furnace Co., Trigg County. Limonite.	291
15. Center Furnace, Lyon County. Limonite.	291
16. Chenalt, C. D., Madison County. Upper Hudson soil.	291
17. Clay, Brutus, Madison County. Niagara soil.	291
18. Cove Creek Ore Co., Lawrence County. Limonite.	291
19. Curtis, Thomas, Clark County. Lower Hudson soil.	291
20. Edmonson County Coal, Iron & Lumber Co., Edmonson County. Limonite.	291
21. Edmonson County Mineral Co., Edmonson County. Red limonite.	291
22. Empire Furnace Co., Trigg County. Limonite, pot ore.	291
23. Estill Furnace, Estill County. Limonite.	291
24. Estill Iron Ore Co., Estill County. Limonite.	291

Exhibit No.	Class'n No.
25. Estill Pig Iron Co., Estill County. Siliceous limonite.	291
26. Flat Gap Mineral Co., Johnson County. Limonite, kidney ore.	291
27. Floyd County Iron Co., Floyd County. Limonite.	291
28. Fossil Ore Iron Co., Lawrence County. Fossil ore.	291
29. Grand Rivers Furnace Co., Grand Rivers. Limonite.	291
30. Greasy Creek Iron Co., Harlan County. Limonite.	291
31. Hard Money Co., Graves County. Limonite.	291
32. Hematite Ore Co., Bath County. Hematite.	291
33. Hurricane Furnace Co., Crittenden County. Limonite.	291
34. Iron Hill Furnace, Carter County. Limonite, kidney ore.	291
35. John's Creek Mining Co., Pike County. Limonite.	291
36. Langstaff, G. W., McCracken County. Alluvial loam.	291
37. La Rue Iron Co., La Rue County. Limonite and pyrite.	291
38. Laurel Furnace, Greenup County. Limonite, kidney ore, limestone ore.	291
39. Layne Branch Ore Co., Floyd County. Limonite.	291
40. Lee Mining Co., Lee County. Limonite.	291
41. Letcher County Furnace Co., Letcher County. Limonite.	291
42. Lexington & Carter County Coal Co., Mt. Savage. Kidney ore.	291
43. Limonite Iron Co., Ohio County. Limonite.	291
44. Little Reedy Furnace Co., Butler County. Limonite.	291
45. Livingston Ore Co., Livingston County. Siliceous limonite.	291
46. Means & Russell Iron Co., Ashland. Limestone ore.	291
47. Meniffee County. Limonite from Beaver creek.	291
48. Mercer County Mining Co., Mercer County. Limonite.	291

## Minerals, Ores, Mineral Combustibles.

Exhibit No.	Class'n No.
49. Moss, Thomas, McCracken County.	291
Quaternary soil.	
50. Moss, Thomas, Jr., Hickman County.	291
Upland loam.	
51. Muddy River Iron Co., Muhlenberg County.	291
Fossiliferous limonite.	
52. New Market Ore Co., Marion County.	291
Limonite.	
53. Nolin Furnace Co., Grayson County.	291
Limonite, kidney ore.	
54. North Fork Ore Co., Morgan County.	291
Limonite.	
55. Ohio County Mining Co., Ohio County.	291
Fossiliferous limonite.	
56. Old Fields Ore Co., Clark County.	291
Limonite.	
57. Pike County Ore Co., Pike County.	291
Hematite.	
58. Pine Mountain Mineral Co., Bell County.	291
Limonite.	
59. Pine Hill Ore Co., Rockcastle County.	291
Limonite; black ore.	
60. Quicksand Iron Co., Breathitt County.	291
Limonite.	
61. Ringo, J. M., Fulton County.	291
Bottom soil.	
62. Rolling's Chapel Ore Co., Owsley County.	291
Limonite.	
63. Slate Creek Furnace Co., Menifee County.	291
Limonite.	
64. Slate Creek Iron Co., Olympia.	291
Limonite.	
65. Smith, M. H., Rockcastle County.	291
Conglomerate soil.	
66. Star Furnace, Boyd County.	291
Limonite, black ore.	
67. State of Kentucky.	291
Limonite from Middlesborough, Bee Spring, Reedyville and Greenville.	
68. Suwane Furnace Co., Lyon County.	291
Limonite.	
69. Tertiary Iron Ore Co., McCracken County.	291
Tertiary limonite.	
70. Thomas, Claude, Bourbon County.	291
Trenton soil.	
71. Trigg Furnace Co., Trigg County.	291
Limonite.	
72. Wayne County Ore Co., Otter Creek.	291
Hematite.	
74. White, George, Madison County.	291
Keokuk soil.	
75. Whitley Iron Co., Whitley County.	291
Limonite, kidney ore.	
76. Whitesville Mining Co., Ohio County.	291
Limonite.	

## GROUP 48.

Exhibit No.	Class'n No.
77. Aberdeen Coal Company, Morgan.	292
Bituminous coal.	
78. Albany Oil & Gas Co., Clinton County.	294
Petroleum.	
80. Ashland Coal & Iron Co., Ashland.	292
Bituminous coal; coke.	
81. Ashland Improvement Co., Ashland.	292
Bituminous coal.	
82. Bacon Creek Coal Co., Magoffin County.	292
Coal.	
83. Ballard Lignite Co., Ballard County.	292
Lignite, brown coal.	
84. Barren Fork Coal Co., Flat Rock.	292
Bituminous coal.	
85. Barren Fork Coal Co., Pulaski County.	292
Coal and coke.	
86. Barrett Creek Coal Co., Carter County.	292
Coal.	
87. Baskett Coal Co., Baskett.	292
Bituminous coal.	
88. Bear Creek Coal Co., Butler County.	292
Coal.	
89. Beattyville Coal Co., Beattyville.	292
Cannel coal.	
90. Beaver Creek Coal Co., Floyd County.	292
Coal.	
91. Beaverdam Coal Co., Muhlenberg County.	292
Coal.	
92. Beech Fork Coal Co., Harlan County.	292
Coal.	
93. Bell County Coke Co., Bell County.	292
Coke.	
94. Bird Eye Coal Co., Halsey.	292
Coal.	
95. Black, James D., Knox County.	292
Coal measures.	
96. Border Coal Co., Muhlenberg County.	292
Coal.	
97. Bourbon Petroleum Co., Bourbon County.	294
Petroleum.	
98. Brandenburg Coal Co., North Fork Kentucky river.	292
Cannel coal.	
99. Breckenridge & Pineville Syndicate, Pineville.	292
Coal.	
100. Breckinridge Cannel Coal Co., Breckinridge County.	292
Coal.	
101. Breckinridge Cannel Coal Co., Cloverport.	292
Cannel coal.	
103. Broas, R. M., Ashland.	292
Coking coal; coke.	
104. Brooks, John M., Bell County.	292
Coal measures.	
105. Bryant, L. E., Harriman.	292
Bituminous coal from Pulaski county.	
106. Burksville Oil Co., Cumberland River.	294
Petroleum.	
107. Butler County Coal Co., Butler County.	292
Coal.	

## Mineral Combustibles.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
108. Caney Branch Coal Co., Whitley County. Cannel coal.	292	137. Ennis Branch Coal Co., Greenup County. Coal.	292
109. Caney Creek Coal Co., Morgan County. Coal.	292	138. Fishtrap Coal Co., Perry County. Coal.	292
110. Carr's Fork Coal Co., Perry County. Coal.	292	139. Floyd County Coke Co., Floyd County. Coke.	292
111. Catron Bros. & Sproul, Barbourville. Coal.	292	140. Fordville Coal Co., Ohio County. Coal.	292
112. Catron, J. H. & I. C., Barbourville. Coal.	292	141. Frozen Creek Coal Co., Breathitt County. Coal.	292
113. Central Appalachian Co., Pineville. Coal.	292	142. Furnace Coal Co., Greenup County. Coal.	292
114. Central City Coal & Iron Co., Central City. Bituminous coal; coke.	292	143. Gap Creek Coal Co., Clinton County. Coal.	292
115. Central Jellico Coal Co., Whitley County. Coal.	292	144. George's Branch Cannel Coal Co., Breathitt County. Coal.	292
116. Clark's Branch Coal Co., Daviess County. Coal.	292	145. George's Branch Coal Co., Breathitt County. Coal.	292
117. Clay County Coal Co., Clay County. Coal.	292	146. Glasgow Oil & Gas Co., Barren County. Petroleum.	294
118. Clear Fork Coal Co., Bell County. Coal.	292	147. Goff, John H., Indian Fields. Bituminous coal.	292
119. Combs' Branch Coal Co., Perry County. Coal.	292	148. Goose Creek Coal Co., Clay County. Coal.	292
120. Coombs' Coal Co., Whitley County. Coal.	292	149. Grayson Coal Co., Carter County. Coal.	292
121. Crab Tree Coke Co., Hopkins County. Coke.	292	150. Greasy Creek Coal Co., Greasy Creek. Coal.	292
122. Crooked Creek Coal Co., Rockcastle County. Coal.	292	151. Greasy Creek Coal Co., Harlan County. Coal.	292
123. Cumberland Coal Co., Commercial Point. Bituminous coal.	292	152. Green River Coal Co., Drakesboro. Coal.	292
124. Cumberland Petroleum Co., Cumberland County. Petroleum.	294	153. Greenup Coal Co., Greenup County. Coal.	292
125. Cumberland Valley Coke Co., Upper Cumberland Valley. Coke.	292	154. Greenwood Coal Co., Pulaski County. Coal.	292
126. Cutshin Creek Coal Co., Cutshin Creek. Coal.	292	155. Ground Hog Coal Co., Breathitt County. Coal.	292
127. Deane'sfield Coal Co., McLean County. Coal.	292	156. Hasley, E. T., Louisville. Birdseye and birdseye cannel coal.	292
128. Deane'sfield Coal Co., Owensboro. Bituminous coal.	292	157. Hannah Coal Co., Greenup County. Coal.	292
129. Devil's Creek Coal Co., Wolfe County. Coal.	292	158. Happy Hollow Coal Co., Happy Hollow. Bituminous coal.	292
130. Devil's Horse Coal Co., Breathitt County. Coal.	292	159. Hare, Robert P., Louisville. Coal.	292
131. Dickey, J. J., Jackson. Coal.	292	160. Harlan Cannel Coal Co., Harlan County. Cannel coal.	292
132. East Tennessee Coal Co., Whitley County. Coal.	292	161. Harlan Coal Co., Harlan County. Coal.	292
133. Edmonson County Coal, Iron & Lumber Co., Bowling Green. Bituminous coal.	292	162. Harlan County Coke Co., Harlan County. Coke.	292
134. Elkhorn Coking Coal Co., Pike County. Coal and coke.	292	163. Hartford Coal Co., Ohio County. Coal.	292
135. Elkhorn Creek Coal Co., Pike County. Coal.	292	164. Hazard Coal Co., Hazard. Coal.	292
136. Empire Coal & Mining Co., Empire. Bituminous coal.	292	165. Hecla Coal & Mining Co., Earlington. Bituminous coal.	292
		166. Hendrick, W. J., Beaver Creek. Bituminous coal.	292

## Mineral Combustibles.

Exhibit No.	Class'n No.
167. Hobbs Branch Coal Co., Wolfe County. Coal.	292
168. Hopkins County Coal Co., Hopkins County. Coal.	292
169. Hatchcraft, B., Halsey. Cannel coal.	292
170. Iron Hill Coal Co., Crittenden County. Coal.	292
171. Isaac Coal Co., Jackson County. Coal.	292
172. Jackson Coal Co., Breathitt County. Coal.	292
173. Jellico Coal Mining Co., Whitley County. Coal.	292
174. Kentucky River Coal Co., Perry County. Coal.	292
175. Kentucky Union Land Co., Breathitt County. Bituminous and cannel coals; coke.	292
176. Kirby's Branch Coal Co., Carter County. Coal.	292
177. Knott County Coal Co., Knott County. Coal.	292
178. Knox County Coal Co., Knox County. Coal.	292
179. Lost Creek Coal Co., Perry County. Coal.	292
180. Laurel Coal Co., Laurel County. Coal.	292
181. Laurel Fork Coal Co., Leslie County. Coal.	292
182. Laurel Coke Co., Laurel County. Coke.	292
183. Leatherwood Coal Co., Perry County. Coal.	292
184. Lebanon Oil & Gas Co., Marion County. Petroleum.	294
185. Leslie County Coal Co., Leslie County. Coal.	292
186. Letcher County Bituminous Coal Co., Washington, D. C. Bituminous and cannel coals	292
187. Letcher County Coal Co., Letcher County. Coal.	292
188. Lewis Branch Coal Co., Lewis Branch. Coal.	292
189. Lexington & Carter County Coal Co., Mt. Savage. Bituminous and cannel coals; coke.	292
190. Lick Branch Coal Co., Breathitt County. Coal.	292
191. Licking River Coal Co., Morgan County. Coal.	292
192. Lilly Coal Co., Louisville. Bituminous coal; coke.	292
193. Little Branch Coal Co., Breathitt County. Coal.	292
194. Little Yellow Creek Coal Co., Bell County. Coal.	292

Exhibit No.	Class'n No.
195. Log Mountain Coal & Coke Co., Pineville. Bituminous and cannel coals; coke.	292
196. London Coal Co., Laurel County. Coal.	292
197. Long Branch Coal Co., Harlan County. Coal.	292
198. Long's Creek Coal Co., Breathitt County. Coal.	292
199. Looney Creek Coal Co., Harlan County. Coal.	292
200. Louisville & Stroud Coal Co., Muhlenberg County. Coal.	292
201. Lyon, F. A., Beattyville. Cannel coal.	292
202. McNary Coal Co., Muhlenberg County. Coal.	292
203. McLean County Coal Co., McLean County. Coal.	292
204. McLean Lubricating Oil Co., McLean County. Petroleum.	294
205. Madison Petroleum Co., Madison County. Petroleum.	294
206. Madisonville Coal Co., Madisonville. Bituminous coal.	292
207. Magoffin Cannel Coal Co., Magoffin County. Coal.	292
208. Magoffin Coal Co., Magoffin County. Coal.	292
209. Main Jellico Mountain Coal Co., Whitley County. Coal.	292
210. Manchester Coal Co., Clay County. Coal.	292
211. Martin's Fork Coal Co., Harlan County. Semi-cannel coal.	292
212. Mayo, John C., Co., Johnson County. Coal.	292
213. Maysville Cannel Coal Co., Johnson County. Coal.	292
214. Maysville Cannel Coal Co., Maysville. Cannel coal.	292
215. Memphis Coal & Mining Co., Bevier. Bituminous coal; coke.	292
216. Mercer Coal Co., Muhlenberg County. Coal.	292
217. Middle Fork Coal Co., Breathitt County. Coal.	292
219. Mingo Mountain Coal & Coke Co., Middlesborough. Bituminous coal; coke.	292
220. Mining City Coal Co., Butler County. Coal.	292
221. Monarch Coal & Coke Co., Knoxville. Bituminous coal.	292
222. Morgan County Cannel Coal Company, Frankfort. Cannel coal.	292

## Mineral Combustibles.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
223. Morgan County Coal Co., Morgan County. Coal.	292	252. Pryse Coal Co., Lee County. Coal.	292
224. Mud Fork Coal Co., Breathitt County. Coal.	292	253. Pulaaki Petroleum Co., Pulaski County. Petroleum.	294
225. Mud River Coal & Iron Co., Butler County. Coal.	292	254. Quicksand Coal Co., Breathitt County. Coal.	292
226. Mud River Coal & Iron Co., Mud River. Bituminous coal.	292	255. Raccoon Creek Coal Co., Laurel County. Coal.	292
227. Mud River Coal Co., Muhlenberg County. Coal, coke.	292	256. Raccoon Furnace Coal Co., Greenup County. Coal.	292
229. Norman, L. C., Frankfort. Bituminous coal.	292	257. Red Ash Coal Co., Whitley County. Coal.	292
230. North Fork Coal Co., Breathitt County. Coal.	292	258. Red Bird Coal Co., Leslie County. Coal.	292
231. North Jellico Coal Co., Gray's. Bituminous coal.	292	259. Reynolds Cannel Coal Co., Owsley County. Cannel coal.	292
232. Ohio Valley Coal Co., Union County. Coal.	292	260. Ringo, Willis, Ashland. Coke.	292
233. Ohio Valley Coal & Mining Co., De Koven. Bituminous coal.	292	261. Rockhouse Coal Co., Leslie County. Coal.	292
234. Oldham Branch Coal Co., Perry County. Coal.	292	262. Rough Creek Coal Co., Grayson County. Coal.	292
235. Old State Bank Coal Co., Menifee County. Coal.	292	263. Rough Creek Coal Co., Ohio County. Coal.	292
236. Otter Coal Co., Wayne County. Coal.	292	264. Rush Branch Coal Co., Morgan County. Coal.	292
237. Owsley Coal Co., Laurel County. Coal.	292	265. Sandy Branch Coal & Coke Co., Knox County. Coke.	292
238. Paintsville Natural Gas Co., Johnson County. Petroleum.	294	266. Selby Coal Co., Ohio County. Coal.	292
239. Patterson Creek Coal Co., Whitley County. Cannel coal.	292	267. Sewell, G. W., Jackson. Coal.	292
240. Peach Orchard Coal Co., Lawrence County. Coal.	292	268. Shearer, J. H., Clinton County. Coal.	292
241. Perry Cannel Coal Co., Perry County. Coal.	292	269. Shotwell Coal Co., Union County. Coal.	292
242. Perry County Coal Co., Perry County. Coal.	292	270. Simmons Coal Co., Warren County. Coal.	292
243. Pineville Coal Co., Pineville. Cannel coal.	292	271. Sinking Creek Coal Co., Carter County. Coal.	292
244. Pleasant View Coal Co., Whitley County. Coal.	292	272. Smith, C. E., Richmond. Bituminous and cannel coal.	292
245. Pollard, O. H., Beattyville. Coal.	292	273. St. Bernard Coal Co., Earlington. Bituminous coal; coke.	292
246. Poor Fork Coke Co., Letcher County. Coke.	292	274. St. Bernard Mines, Hopkin's County. Coal.	292
247. Prater Bank, Morgan County. Cannel coal.	292	275. Stacey Creek Coal Co., Wolfe County. Coal.	292
248. Pritchard Bank Coal Co., Carlisle County. Coal.	292	276. Star Furnace Coal Co., Carter County. Coal.	292
249. Proctor Coal Co., Whitley County. Coal.	292	277. Stillwater Coal Co., Wolfe County. Coal.	292
250. Providence Coal Co., Webster County. Coal.	292	278. Straight Creek Coal Co., Boyd County. Coal.	292
251. Providence Mining Co., Providence. Bituminous coal.	292	279. Sturgis Coal Co., Sturgis. Bituminous coal.	292
		280. Taylor Coal Co., Ohio County. Coal.	292
		281. Treadway, M. J., Booneville. Coal.	292

## Mineral Combustibles, Building Stones and Quarry Products.

Exhibit No.	Class'n No.
282. Turkey Pen Coal Co., Boyd County. Coal.	292
283. Wallen's Creek Coal Co., Harlan County. Coal.	292
284. Warfield Gas Co., Lawrence County. Petroleum.	294
285. West Liberty Cannel Coal Co., Mt. Sterling. Cannel coal.	292
286. White House Cannel Coal Co., Louisa. Cannel coal.	292
287. White House Mines, Lawrence County. Cannel coal.	292
288. Whitley Coke Co., Whitley County. Coke.	292
289. Wickliffe Lignite Co., Ballard County. Coal.	292
290. Willard's Coal Co., Carter County. Coal.	292
291. Willing's Branch Coal Co., Carter County. Coal.	292
292. Wolfe County Coal Co., Wolfe County. Coal.	292
293. Wolfe County Coke Co., Wolfe County. Coke.	292
294. Woolfolk Coal Co., Menifee County. Coal.	292
295. Worlby Branch Coal Co., Whitley County. Coal.	292
296. Worrall Mountain Coal Co., Haynesville. Bituminous coal.	292

## GROUP 44.

297. Alford Stone Co., Fayette County. Limestone.	296
298. Annetta Stone Co., Grayson County. Sandstone.	296
299. Arthur Stone Co., Bell County. Limestone.	296
300. Ashland Stone Co., Fayette County. Limestone.	296
301. Atkinson Stone Co., Caldwell County. Limestone.	296
302. Beardstown Quarry Co., Nelson County. Limestone.	296
303. Bear Creek Stone Co., Grayson County. Limestone.	296
304. Bedford Stone Co., Trimble County. Limestone.	296
305. Bee Spring Sandstone Co., Grayson County. Limestone.	296
306. Belle of Nelson Stone Co., Nelson County. Limestone.	296
307. Big Clifty Stone Co., Grayson County. Limestone.	296
308. Big Hill Stone Co., Madison County. Sandstone.	296
309. Blue Grass Quarry Co., Fayette County. Stone.	296

Exhibit No.	Class'n No.
310. Boiseau Quarry Co., Simpson County. Sandstone.	296
311. Bowling Green Quarry Co., Bowling Green. Stone.	296
312. Bowling Green Stone Co., Bowling Green. Stone.	296
313. Brandenburg Stone Co., Meade County. Limestone.	296
314. Breckinridge Stone Co., Breckinridge County. Limestone.	296
315. John M. Brooks Quarry Co., Bell County. Sandstone.	296
316. Buntin Stone Co., Simpson County. Limestone.	296
317. Cannel Coal Stone Co., Breckinridge County. Limestone.	296
318. Capital Quarry Co., Franklin County. Limestone.	296
319. Chilesburgh Quarry Company, Fayette County. Limestone.	296
320. Clark County Quarry Co., Clark County. Limestone.	296
321. Clinton County Quarry Co., Clinton County. Limestone.	296
322. Cloverport Quarry Co., Breckinridge County. Sandstone.	296
323. Cooper Quarry Co., Fayette County. Limestone.	296
324. Crittenden County Sandstone Co., Crittenden County. Sandstone.	296
325. Craneyville Stone Co., Caldwell County. Limestone.	296
326. Cumberland Gap Quarry Co., Bell County. Sandstone.	295
327. Dawson Quarry Co., Caldwell County. Limestone.	296
328. Duke Stone Co., Fayette County. Limestone.	296
329. Earlington Stone Co., Hopkins County. Sandstone.	296
330. Elkton Limestone Co., Todd County. Sandstone.	296
331. Fairleigh Stone Co., Breckinridge County. Sandstone.	296
332. Falls of Rough Quarry Co., Grayson County. Limestone.	296
333. Fayette County Artificial Stone Paving Co., Fayette County. Limestone.	296
334. Fayette County Stone Co., Fayette County. Limestone.	296
335. Fellmer Stone Co., Franklin County. Limestone.	296
336. Finn Stone Co., Simpson County. Sandstone.	296
337. Franklin Quarry Co., Simpson County. Limestone.	296
338. Fredonia Stone Co., Caldwell County. Limestone.	296

## Building Stones and Quarry Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
339. Gaither Stone Co., Mercer County.		368. McClellan Stone Co., Rockfield.	
Limestone.	296	Stone.	296
340. Gerard Stone Co., Simpson County.		369. McGoodwin Quarry Co., Simpson	
Limestone.	296	County. Limestone.	296
341. Goodnight Stone Co., Simpson		370. Marion County Stone Co., Marion	
County. Limestone.	296	County. Limestone.	296
342. Graysons Springs Quarry Co., Gray-		371. Marion Stone Co., Crittenden	
son County. Limestone.	296	County. Sandstone.	296
343. Greensburgh Quarry Co., Green		372. Meade County Limestone and Quarry	
County. Limestone.	296	Co., Meade County. Limestone.	296
344. Greenville Stone Co., Muhlenberg		373. Mercer County Quarry Co., Mercer	
County. Sandstone.	296	County. Limestone.	296
345. Hamilton, A. W., Stone Co., Mont-		374. Meredith Quarry Co., Grayson	
gomery County. Sandstone.	296	County. Sandstone.	296
346. Hardin County Quarry Co., Hardin		375. Meredith Stone Co., Grayson County.	
County. Quartz.	296	Limestone.	296
347. Harris Quarry Co., Simpson County.		376. Middlesboro Stone Co., Bell County.	
Limestone.	296	Sandstone.	296
348. Harrodsburgh Stone Co., Mercer		377. Milliken Stone Co., Simpson County.	
County. Limestone.	296	Limestone.	296
349. Hart Stone Co., Fayette County.		378. Morehead Stone Co., Rowan County.	
Limestone.	296	Sandstone.	296
350. Hayden Trigg Stone Co., Barren		379. Morgan Quarry Co., Fayette County.	
County. Limestone.	296	Limestone.	296
351. Hewitt Stone Co., Franklin County.		380. Muldraugh Hill Stone Co., Hardin	
Limestone.	296	County. Sandstone.	296
352. Hill Quarry Co., Fayette County.		381. Nelson County Stone Co., Nelson	
Limestone.	296	County. Limestone.	296
353. Hines Stone Co., Franklin County.		382. New Haven Quarry Co., Nelson	
Limestone.	296	County. Limestone.	296
354. Hopkinsville Stone Co., Christian		383. Nolin Stone Co., Grayson County.	
County. Limestone.	296	Sandstone.	296
355. Hopper Quarry Co., Breckinridge		384. Nuckolls Stone Co., Barren County.	
County. Limestone.	296	Limestone.	296
356. Jefferson County Quarry Co., Jeffer-		385. Old Crow Stone Co., Franklin	
erson County. Limestone.	296	County. Limestone.	296
357. Johnson Stone Co., Caldwell County.		386. Oldham County Quarry Co., Oldham	
Limestone.	296	County. Limestone.	296
358. Knott Stone Co., Marion County.		387. Old Taylor Stone Co., Franklin	
Sandstone.	296	County. Limestone.	296
359. Lacey Quarry Co., Simpson County.		388. Oolitic Quarry Co., Caldwell County.	
Limestone.	296	Limestone.	296
360. Lebanon Quarry Co., Marion County.		389. Owen County Stone Co., Owen	
Sandstone.	296	County. Limestone.	296
361. Leitchfield Limestone Co., Grayson		390. Paintsville Stone Co., Johnson	
County. Limestone.	296	County. Sandstone.	296
362. Leitchfield Quarry Co., Grayson		391. Palmyra Stone Co., Simpson County.	
County. Limestone.	296	Limestone.	296
363. Lexington Quarry Co., Fayette		392. Pineville Stone Co., Bell County.	
County. Limestone.	296	Sandstone.	296
364. Lexington Stone Co., Fayette		393. Princeton Quarry Co., Caldwell	
County. Limestone.	296	County. Limestone.	296
365. Lincoln Stone Co., Lincoln County.		394. Proctor Quarry Co., Franklin	
Sandstone.	296	County. Limestone.	296
366. Logan County Quarry Co., Logan		395. Richardson Stone Co., Meade County.	
County. Limestone.	296	Limestone.	296
367. Loretta Stone Co. Marion County.		396. Richmond Sandstone Co., Madison	
Limestone.	296	County. Sandstone.	

## Quarry Products, Clays and other Fictile Materials and their Products.

Exhibit No.	Class'n No.
397. Rockcastle County Quarry Co., Rockcastle County. Limestone.	296
398. Rowan County Stone Co., Rowan County. Sandstone.	296
399. Russellville Stone Co., Logan County. Limestone.	296
400. Salmons Quarry Co., Simpson County. Limestone.	296
401. Simpson Stone Co., Franklin County. Limestone.	296
402. Smith Quarry Co., Caldwell County. Limestone.	296
403. Springfield Stone Co., Washington County. Limestone.	296
404. State House Stone Co., Franklin County. Limestone.	296
405. St. Louis Limestone Co., Simpson County. Limestone.	296
406. Trimble Quarry Co., Trimble County. Limestone.	296
407. Trimble Stone Co., Trimble County. Limestone.	296
408. Van Meter Stone Co., Grayson County. Limestone.	296
409. Walker Quarry Co., Simpson County. Limestone.	296
410. Warsaw Stone Co., Trimble County. Limestone.	296
411. Washington County Quarry Co., Washington County. Limestone.	296
412. Washington County Stone Co., Washington County. Limestone.	296
413. Whitley Stone Co., Whitley County. Sandstone.	296
414. Wickliffe Quarry Co., Muhlenberg County. Sandstone.	296
415. Williamsburgh Quarry Co., Whitley County. Sandstone.	296
416. Winchester Quarry Co., Clark County. Limestone.	296

## GROUP 46.

417. Acme Vitrified Brick Co., Louisville. Vitrified brick-clay.	304
418. Anderson Glass Pot Co., Graves County. Variegated clay.	304
419. Arnett, William P., Mayfield. Plastic clay.	304
420. Asher Graham Plastic Clay Co., Calloway County. Plastic clay.	304
421. Ashland Coal & Iron Railway Co., Ashland. Fire clay.	304
422. Ashland Fire Brick Co., Ashland. Fire clay.	304
423. Ashland Improvement Co., Boyd County. Clay.	304
424. Ashland Improvement Co., Ashland. Fire clay.	304

Exhibit No.	Class'n No.
425. Ballard Art Tile Co., Ballard County. Clay.	304
426. Ballard Ballast Co., Ballard County. Gravel.	304
427. Ballard County. Refractory clay from Cane Creek and Moore's Mill.	304
428. Ballard County Flower Pot Co., Ballard County. Purple clay.	304
429. Ballard County Pottery Co., Ballard County. Plastic clay.	304
430. Ballard County Quarry Co., Ballard County. Chert.	304
431. Ballard County Tile Works, Ballard County. Sandy clay.	304
432. Ballard Sand Co., Ballard County. White sand.	304
433. Ballard Stoneware Co., Ballard County. Clay.	304
434. Ballard Vitrified Brick Co., Ballard County. Siliceous clay.	304
435. Barradell, F. N., Benton. Micaceous clay.	304
436. Beadles Clay Co., Graves County. Variegated clay.	304
437. Beard, B. F., Co., Breckinridge County. Marl.	304
438. Beardstown Pottery Co., Nelson County. Plastic clay.	304
439. Bell City Pressed Brick Co., Graves County. Clay.	304
440. Bell Clay Co., Graves County. Plastic clay.	304
441. Benton Drain Tile Co., Marshall County. Sandy clay.	304
442. Benton Gas Retort Co., Marshall County. Plastic clay.	304
443. Benton Ornamental Pottery Co., Marshall County. Plastic clay.	304
444. Benton Polishing Co., Marshall County. Sandy clay.	304
445. Benton Pottery Co., Marshall County. Sandy clay.	304
446. Blandville Clay Co., Ballard County. Clay.	304
447. Bowmer, W. H., Breckinridge County. Marl.	304
448. Buckner Pottery Co., Hart County. Yellow clay.	304
449. Calloway County. White clay from Wyatts School House.	304
450. Calloway Brick Co., Calloway County. Micaceous clay.	304
451. Calloway Brick Co., Calloway County. Gray clay.	304
452. Calloway Glazed Brick Co., Calloway County. Fire clay.	304
453. Calloway Hollow Tile Co., Calloway County. Clay.	304

## Clays and Other Fictile Materials and their Products.

Exhibit No.	Class No.	Exhibit No.	Class No.
454. Campbell, T. D., Laketon. Fire clay.	304	482. Graves County Enameled Tile Co., Graves County. Plastic clay.	304
455. Carlisle Foundry Sand Co., Carlisle County. Sand.	304	483. Graves County Encaustic Tile Works, Graves County. Plastic clay.	304
456. Carter County Fire Brick Co., Carter County. Fire clay.	304	484. Graves County Ornamental Brick Co., Graves County. Gritty clay.	304
457. Carter County Stove Lining Co., Carter County. Fire clay.	304	485. Graves County Sand Co., Graves County. White sand.	304
458. Castlemann Glass Pot Co., Jefferson County. Plastic clay.	304	486. Graves County Stoneware Co., Graves County. Siliceous clay.	304
459. Clay, Brutus J., Richmond. Pot- ters' clay.	304	487. Gray, A. S. Scale. Plastic clay.	304
460. Cleymer's Brick Yard, Henderson County. Brick clay.	304	488. Grayson Brick Co., Carter County. Fire clay.	304
461. Clinton Fire Brick Works, Ashland. Fire clay.	304	489. Grayson Fire Brick Co., Carter County. Fire clay.	304
462. Cloverport Brick Manufacturing Company, Cloverport. Vitrified brick clay.	304	490. Greenup Vitrified Brick Co., Greenup County. Fire clay.	304
463. Columbus Tile Co., Hickman County. Potter's clay.	304	491. Grey Marl Co., Caldwell County. Gray marl.	304
464. Dawson Vitrified Brick Co. Cald- well County. Fire clay.	304	492. Hickman Brick Co., Hickman. Clay.	304
465. Dee Helm Pottery Co., Hardin County. Plastic clay.	304	493. Hickman Clay Co., Hickman County. Plastic clay.	304
466. Edmonson Coal, Iron & Lumber Co., Bowling Green. Fire clay.	304	494. Hickman Fire Brick Co., Hickman County. Siliceous clay.	304
467. Elizabethtown Cement Co., Hardin County. Hydraulic argillaceous shale.	304	495. Hickman Glass Pot Co., Fulton County. Fire clay.	304
468. Fort Jefferson Terra Cotta Works, Ballard County. Grayish clay.	304	496. Howard's Pottery, Bell City. Refrac- tory clay.	304
469. Franklin County Brick Co. Clay.	304	497. Irvine Slate Co., Estill County. Magnesia shale.	304
470. Fulton County. Clay and clay stone from Hickman.	304	498. Jefferson Gravel Co., Ballard County. Gravel.	304
471. Fort Jefferson Drain Pipe Co., Bal- lard County. Purple clay.	304	499. Jefferson Pottery Co., Ballard County. Plastic clay.	304
472. Ft. Jefferson Yellow Ware Co., Bal- lard County. Yellow sand.	304	500. Jones, W. L., Paducah. Stiff clay.	304
473. Fulton County Fire Brick Co., Ful- ton County. Fire clay.	304	501. Kentucky Construction & Improve- ment Co., Mayfield. Plastic clay.	304
474. Fulton County Gas Retort Co., Ful- ton County. Clay.	304	502. Kentucky, State of. Fire brick mad- from Purchase and Frankfort clays.	304
475. Fulton Enamel Co., Fulton County. Clay.	304	503. Laurel County Glass Sand Co., Lau- rel County. Sand.	304
476. Glasgow Cement Co., Barren County. Hydraulic argillaceous shale.	304	504. Leech, J. D., Co., Caldwell County. Marl.	304
477. Glass Pot Clay Co., Hickman County. Sandy clay.	304	505. Leech Plastic Clay Co., Caldwell County. Plastic clay.	304
478. Glass Sand Co., Meade County. Yel- low sand.	304	506. Leitchfield Cement Co., Grayson County. Clay.	304
479. Grahn, B. K., Louisville. Fire clay.	304	507. Lewisville Pottery Co., Jefferson County. Clay.	304
480. Grand Avenue Ochre Co., Barren County. Yellow sand.	304	508. Lexington & Carter County Fire Brick Co., Carter County. Fire clay.	304
481. Graves Co., Graves County. Clay.	304	509. Litchfield Marl Co., Grayson County. Gray marl.	304
		510. Livingston Clay Co., Livingston County. Plastic clay.	304
		511. Livingston Tile Co., Livingston County. Gray clay.	304

## Clays and other Tictile Materials and their Products.

Exhibit No.	Class'n No.
512. Louisville Fire Brick Co., Olive Hill. Fire clay.	304
513. Louisville Grit Co., Jefferson County. Gritty clay.	304
514. McCracken Tile Co., McCracken County. Clay.	304
515. McDonald Bros., Louisville. Vitrified clay.	304
516. McElrath Plastic Clay Co., Calloway County. Plastic clay.	304
517. Madison Pottery Works, Madison County. Potters clay.	304
518. Madison Vitrified Brick Co., Madison County. Fire clay.	304
519. Mahan, F. H., Murray. Dark clay.	304
520. Marshall County Brick Works, Marshall County. Clay.	304
521. Marshall County Glass Co., Marshall County. White sand.	304
522. Mayfield Construction & Improvement Co., Graves County. Plastic clay.	304
523. Mayfield Polishing Co., Graves County. Pipe clay.	304
524. Mayfield Tile Co., Graves County. Sandy clay.	301
525. Mayfield Water Cooler Co., Graves County. Yellow clay.	304
526. Meredith Terra Cotta Lumber Co., Grayson County. Clay.	304
527. Mims, Rufus, New Providence. Pipe clay.	304
528. Moss Fire Brick Co., Hickman County. Fire clay.	304
529. Mt. Savage Fire Brick Co., Carter County. Fire clay.	304
530. Munier's, Paducah. Blue clay.	304
531. Murier, John, McCracken County. Plastic clay.	304
532. Murray Encaustic Tile Co., Calloway County. Yellow clay.	304
533. Murray Hollow Brick Co., Calloway County. Clay.	304
534. Murray Plaster Co., Calloway County. Plaster clay.	304
535. Murray Polishing Co., Calloway County. Siliceous clay.	304
536. Murray Pottery Co., Calloway County. Plastic clay.	304
537. Murray Roofing Tile Co., Calloway County. Clay.	304
538. Murray Terra Cotta Co., Calloway County. Clay.	304
539. Murray Tile Co., Calloway County. Yellow clay.	304
540. Murray Tile Works, Calloway County. Plastic clay.	304

Exhibit No.	Class'n No.
541. Murray White Ware Co., Calloway County. Pipe clay.	304
542. Neal Fire Brick Co., Calloway County. Plastic clay.	304
543. Paducah Clay Co., McCracken County. Plastic clay.	304
544. Paducah Drain Tile Co., McCracken County. Gyseous clay.	304
545. Paducah Enameled Tile Co., McCracken County. Plastic clay.	304
546. Paducah Ochre Co., McCracken County. Clay.	304
547. Paducah Porcelain Co., McCracken County. Clay.	304
548. Paducah Pottery Co., McCracken County. Plastic clay.	304
549. Paducah Sewer Pipe Co., McCracken County. Clay.	304
550. Pittman's Pottery, Lynnville. Plastic clay.	304
551. Plastic Clay Co., McCracken County. Plastic clay.	304
552. Princeton Fire Co., Caldwell County. Fire clay.	304
553. Pryorsburg Tile Co., Graves County. Clay.	304
554. Pugh, J. T., Palma. Micaceous clay.	304
555. Reid, E. O., Company, Hickman County. Sandy clay.	304
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557. Ringo, J. M. Co., Hickman County. Sandy clay.	304
558. Ryan, George, Milburn. Plastic clay.	304
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560. Shiloh Glazed Brick Co., Calloway County. Clay.	304
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562. Sowards, J. W., Fire Clay Co., Greenup County. Fire clay.	304
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581. Christian County Stone Co., Christian County.	
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603. Jefferson County Quarry Co., Jefferson County.	
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604. Lyon County Stone Co., Lyon County.	
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630. Marion Pottery Co., Marion County. Green marl.	320
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## LOCATION—SEC. Q, 10.

## Minerals, Mineral Combustibles, Building Stones, Clays, Cements, Salts.

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5a. Emery Mine, Arrowsic. Emery (gar-net).	291
5b. English, Geo. L., New York. Minerals.	291
5c. Foote, A. E., Philadelphia. Minerals.	291
6. Goodall, T., Sanford. Minerals.	291
6a. Katahdin Iron Works, Piscataquis Co. Limonite iron ore.	291
7. Lamb, T. F., Portland. Minerals and gems.	291
8. Lee, L. A., Brunswick. Minerals.	291
9. Maling, H. M., Portland. Minerals.	291
10. Manning, P. C., Portland. Minerals.	291
11. Merrill, L. B., South Paris. Minerals and gems.	291
12. Noyes, H. W., Portland. Minerals.	291
12a. Pendleton Gold and Silver Mine, Pendleton. Gold ore, concentrates and gold.	291
13. Portland Society of Natural History, Portland. Minerals.	291
14. Robinson, C. F., Brunswick. Minerals.	291
14a. Wilson, F. H., Brunswick. Minerals and quarry products.	290

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14g. Brown & Wade, S. Thomaston. Granite.	296
14h. Browne, McAllister & Co., New York, N. Y. Granite.	296
14i. Crown Granite Works, S. Thomaston. Granite.	296
14j. Doblin Granite Co., Waterville. Granite.	296
14k. Dunn, H. W., Ellsworth. Granite.	296
14l. Fernald, E. H., Camden. Granite.	296
15. Freeman, E. D., Yarmouth. Granite block.	296
15a. Gordon, J. F., Wayne. Granite.	296
15b. Hallowell Granite Co., Hallowell. Granite.	296
15c. Howard, W. M., Blue Hill. Granite.	296
15d. Hurricane Island Granite Co., Hurricane Island. Granite.	296
15e. Jewett, E. C., Whitfield. Granite.	296
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17. Mallet, E. B., Jr., Freeport. Rough and finished granite.	296
18. Merrill Brownville Slate Co., Brownville. Roofing slate.	296
19. Monson Maine Slate Co., Boston. Black slate.	296
20. Mt. Waldo Granite Co., Frankfort. Granite.	296
21. Pierce, Hayward, Frankfort. Granite.	296
22. Pleasant River Granite Co., Addison. Granite.	296
23. Smith, George, Vinalhaven. Granite.	296
24. Thayer, H. M., Green's Landing. Granite.	296
25. Trent, J. L., Bar Harbor. Granite.	296
26. Waldo Granite Co., Frankfort. Granite.	296

Quarry Products, Limestone, Cements.

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31. Cobb, Francis & Co. Limestone and lime.	309
32. Coleman, E. M., Lincolnville. Limestone and lime.	309
33. Cushing, J. O., Thomaston. Limestone and lime.	309
34. Ellis, Jno. H., Rockport. Limestone and lime.	309
35. Gates, Homer, Carroll. Limestone and lime.	309

Exhibit No.	Class'n No.
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37. Gurdy, H. O., & Co., Rockland. Limestone and lime.	309
38. Hanrahan, Cornelius, Rockland. Limestone and lime.	309
39. McLoon & Stover, West Warren. Limestone and lime.	309
40. Messer, R. W., Rockland. Limestone and lime.	309
41. Perry Bros., Rockland. Limestone and lime.	309
42. Shepherd Bros., Rockport. Limestone and lime.	309
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MASSACHUSETTS.

LOCATION—GALLERY B, 11.

Minerals, Ores, Native Metals, Gems and Crystals, Geological Specimens.

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2. Angell, C. L., Huntington. Collection of ores and gems in the rough.	291
3. Brigham, George L., Bolton. Collection of ores and gems in the rough, fossils.	291
4. Bryant, Miss A. A., Mansfield. Antiferrous iron pyrites.	291
5. Boston Society of Natural History, Bridgewater. Calamite.	291
6. Clark, Daniel, Tyringham. Collection of ores and gems in the rough.	291
7. Conant, Dr. Thomas, Gloucester. Micaceous ilmenite, limonite, crystals, amazonstone, orthoclase.	291
8. Cotting, J. J., Fitchburg. Hornblende, muscovite.	291

Exhibit No.	Class'n No.
9. Cowles, E. L., Chester. Ilmenite, crystal quartz, garnet, zoisite.	291
10. Davis, E. G., Leominster. Collection of ores and gems in the rough.	291
11. Davis Sulphur Ore Co., Davis. Iron pyrites, fossils.	291
12. Emerson, Chas. B., Bradford. Galena with chalcoppyrite.	291
13. Fletcher, Miss Emily, Westford. Collection of minerals and gems.	291
14. Gardner, John L., Boston. Prehnite.	291
15. Harvard University, Cambridge. Collection of fossils.	291
16. Hobbs, Dr. W. H., Madison, Wis. Collection of ores and gems in the rough.	291

## Minerals, Ores, Mineral Combustibles, Quarry Products, Polishing Substances.

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19. Litchfield, Silas, Fitchburg. Beryl, tourmaline.	291
20. Lucas, Dr. H. S., Chester. Magnetite, diaspore, corundophilite.	291
21. Macia, Elis, Chester. Collection of ores and gems in the rough.	291
22. Osgood, Alfred, Newburyport. Galena with chalcopyrite.	291
23. Peabody Academy of Science, Salem. Collection of ores and gems in the rough.	291
24. Richmond Iron Works, Richmond. Limonite.	291
25. Rockport Granite Co., Rockport. Molybdenite, amazonstone, smoky quartz.	291
26. Sands, H. H., New York City. Collection of ores and gems in the rough.	291
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28. Stearns, Charles A., Boston. Collection of ores and gems in the rough.	291
29. Stevens, A. L., Mansfield, N. H. Barite.	291
30. Stockbridge Iron Co., West Stockbridge. Limonite.	291
31. Stoughton, T. M., Turner's Falls. Fossils.	291
32. Tarr, R. S., Gloucester. Molybdenite, opal, amethyst, orthoclase, amazonstone.	291
33. Thatcher, A. R., Haydensville. Collection of ores and gems in the rough.	291
34. Weeks, H. A., Chesterfield. Collection of ores and gems in the rough.	291
35. Whittle, C. L., Cambridge. Collection of ores and gems in the rough.	291
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37. Worcester Polytechnic Institute, Worcester. Collections of ores and associated minerals.	291
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42. Blanchard, W. D., Leominster. Granite.	296

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44. Darling Bros., Milford. Granite.	296
45. Fletcher Bros., Chelmsford. Granite.	296
46. Flyant Granite Co., Monson. Granite.	296
47. Granite Manufacturers' Ass'n, Quincy. Granite.	296
48. Gross Bros., Lee. Marble.	296
49. Hathaway, Prof. F. R., Winchendon. Granite and schist.	296
50. Hobbs, Dr. W. H., Madison, Wis. Gneiss, schist, marble, quartzite, limestone and shale.	296
51. Hudson & Chester Granite Co., Chester. Granite.	296
52. Kane & Leary, Fitchburg. Granite.	296
53. Kittredge & Leavitt Granite Co., Leominster. Gneiss, granite.	296
54. Lanesville Granite Co., Lanesville. Granite.	296
55. Merrill, J. A., Cambridge. Gneiss and slate.	296
56. Middlesex Marble Co., Boston. Marble.	296
57. McCauliff, J., Fitchburg. Granite.	296
58. Milford Pink Granite Co., Milford. Granite.	296
59. Munson, J. C., Van Deusenville. Marble.	296
60. Norcross Bros., Worcester. Granite and sandstone.	296
61. Peabody Academy of Science, Salem. Granite, syenite, felsite, breccia and hornblend.	296
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63. Rand & Co., North Adams. Marble.	296
64. Rockport Granite Co., Rockport. Granite.	296
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67. Whittle, C. L., Cambridge. Slate.	296

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Exhibit No.	Class'n No.
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## MICHIGAN.

## LOCATION--SEC. 9, 16.

## Minerals, Ores, Native Metals, Gems and Crystals.

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6. Buffalo Mining Co., Negaunee. Bessemer iron ore.	291
7. Cambria Mine, Negaunee. Soft hematite.	291
8. Champion Mine, Champion. Magnetic, specular Bessemer hematite.	291
9. Chapin Iron Co. Soft hematites.	291
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12. Davis Mine, Negaunee. Bessemer iron ore.	291
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Exhibit No.	Class'n No.
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19. Lake Superior Iron Mining Co., Ishpeming. Gold bearing quartz, slate and Bessemer iron ore.	291
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30. Republic Mine, Republic. Specular Bessemer hematite.	291
31. Ropes Gold & Silver Mining Co. Auriferous quartz.	291
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33. Sunday Lake & Gogebic Co., Gogebic Iron Range. Blue hematite.	291
34. Volanteer Iron Co., Palmer. Bessemer and non-Bessemer iron ore.	291
35. Winthrop Iron Co., Ishpeming. Bessemer hematite iron ore.	291

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## GROUP 44.

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40. Kerber-Jacobs Stone Co., Marquette. Red sandstone.	296
40a. L'Anse Brownstone Co. L'Anse. Brown and variegated sandstones.	296
41. Military Road Land Co., Marquette. Building slate.	296
41a. Portage Entry Quarries Co., Portage Entry. Red sandstone.	296
41b. Waverly Sandstone Co., Holland. Blue-gray sandstone.	296
41c. Young & Farrell, Chicago. Marble.	296

## GROUP 46.

41d. Military Road Land Co., Marquette. Clays and brick.	304
41e. Ontonagon County. Clays.	304

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42a. Grand Rapids Gypsum Works, Grand Rapids. Crude and dressed gypsum and Hovey's calcined plaster.	313

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42c. Mt. Clemens Bitter Water Co. Mineral water, saline sulphur, mineral salts, mineral soap, etc.	321
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45. Arnold Mine, Keweenaw. Native copper.	339
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47. Calumet & Hecla Mine, Calumet. Copper-bearing conglomerate.	340
48. Calumet & Hecla Smelting Works, Houghton County. Copper cakes, bars, ingots, cylinders, etc.	342
49. Centennial Mine, Houghton County. Nail copper in amygdaloid.	340
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51. Clark Mine, Copper Harbor. Pyrolusite.	340
52. Copper Falls Mine, Keweenaw. Native copper.	339
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55. Kearsage Mine, Houghton County. Copper-bearing amygdaloid, etc.	340
56. Mendota Mine, Lac La Belle. Copper ores.	340
57. National Mine, Ontonagon County. Native copper.	339
58. Osceola Mine, Houghton County. a Copper-bearing amygdaloid, etc. b Battery and tailing samples, dressed mineral.	340 342
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Copper, Boring and Drilling Tools, History and Literature, Notable Implements

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## LOCATION—SEC. N, 29.

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155. Fraction Mine, Argenta.	Silver-lead. 291
156. Franklin Mine, Pilgrim Creek.	Silver-lead ore. 291
157. Freudenstein & Co., Butte.	Surface silver, silver ore. 291
158. Frusharin, Geo., Missoula.	Silver ore. 291
158a. Galigher, W. G.	Silver-lead ores. 291
159. Galt Mine, Neihart.	Silver-lead ore, aragonite. 291

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160. Geranium Mine, Snow Creek.	Silver ore. 291
161. Gerhauser & Albrecht, St. Louis Gulch.	Lead and silver-lead ores. 291
162. Gies & Allen, Maiden.	Silver-lead ore. 291
163. Gies, V., Maiden.	Gold and silver ores. 291
164. Gies & Co., Red Mountain.	Silver ore. 291
165. Gilbert, H. S., Virginia.	Gold and silver ores. 291
166. Gilt Edge Mine, Maiden.	Gold ore. 291
167. Gilt Edge No. 2 Mine, Maiden.	Gold ore. 291
168. Gladstone Mine, Argenta.	Silver ore. 291
169. Gladstone Mine, Wolf Creek.	Silver ore. 291
170. Gold Dust Mine, Dry Wolf Creek.	Silver-lead ore. 291
171. Golden Eagle Extension Mine, Red Mountain.	Gold ore. 291
172. Golden Eagle Mine, Judith.	Gold ore. 291
173. Golden Leaf Co., Bannack.	Silver and gold ores. 291
174. Goldsmith Mine, Argenta.	Silver ore. 291
176. Gould, P. P., Big Hole Canyon.	Gold and silver ores. 291
177. Gowrie Mining Co., Missoula.	Lead and silver ores. 291
178. Grand Republic Mining Co., Elliston.	Silver ore. 291
179. Granite Mountain Mining Co., Granite.	Ruby silver, silver ore, realgar, bog-manganese, etc. 291
180. Gray Jockey Mine, Vipond.	Silver ore. 291
181. Great Northern Mine, Judith.	Silver lead ore. 291
182. Hand & Co., Butte.	Surface silver ore. 291
183. Hansen & Stein, Maiden.	Gold and silver ores. 291
184. Harrison Mine, Red Mountain.	Gold ore. 291
185. Harrison Mining Co., Elliston.	Lead ore. 291
186. Hawkins & Co., Phillipsburg.	Lead ore. 291
187. Hecla Mining Co., Lion City.	Silver and lead ores, calamine, azurite, etc. 291
188. Hecla Mining Co., Thompson Falls.	Lead ore. 291
189. Holter, A. M. & Bro., Helena.	Silver-lead ore. 291

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190. Hiawatha Mine, Judith.	Gold ore.	219. Keystone Mining Co., Running Wolf Creek.	Silver-lead ore.
191. Hidden Treasure Mining Co., Rob- inson.	Silver-lead ore.	220. Keystone & King Mining Co., Mis- soula.	Silver ore.
192. Higgins, W. I., Champion.	Iron ore.	221. King Mine, Sage Creek.	Silver- lead ore.
193. High View Mine, Virginia City.	Silver ore.	222. King Solomon Mine, Neihart.	Silver- lead ore.
194. Hill, J. J., Running Wolf Creek.	Iron ore.	223. Kirtz, H. & Co., Robinson.	Silver- lead ore.
195. Hope Mining Co., Phillipsburg.	Silver ore.	224. Kitty Morris Mining Co., Butte.	Silver-lead ore.
196. Horton, E. B., Stone Station.	Silver- lead ore.	224a. Kleinschmidt, T. H., Helena.	Gold crystals.
197. Horton & Eplin, New Chicago.	Lead ore.	225. Ladd, Marion & Co., Iron Creek.	Iron ore.
198. Hubbard Gold and Silver Mining Co., Gould.	Gold and silver quartz.	226. Last Chance Mine, Elkhorn.	Gold, silver and silver-lead ores.
199. Hudson Brothers & Co., Helena.	Gold and silver ores.	227. Laughlin, Henry, Argenta.	Silver ore.
200. Hudson Mining Co., Running Wolf Creek.	Gold and silver-lead ores.	228. Legal Tender Mining Co., Castle.	Silver and silver-lead ores.
201. Iceberg Mine, Cooke City.	Silver- lead ore.	229. Lemon, Oscar, Tenderfoot Creek.	Silver-lead ore.
202. Ida Perkins Mine, Maiden.	Gold ore.	230. Lennon, Jack, Maiden.	Silver-lead ore.
203. Ingersoll Mining Co., Castle.	Silver- lead ore, diorite, quartz.	231. Lexington Mining Co., Butte.	Tin pail encrusted with selenite.
204. International Mine, Cooke City.	Sil- ver-lead ore.	232. Lexington Mining Co., Lexington.	Silver ore and oxides, blende, etc.
205. Iron King Mine, Missoula.	Silver ore.	233. Lion Mining Co., Champion.	Silver ore.
206. Iron Mountain Mine, Argenta.	Silver ore.	234. Liberty Mine, Snow Creek.	Silver- lead ore.
207. Iron Mountain Mining Co., Missoula.	Lead ores, galena, etc.	235. Little Emma Mine, Dry Wolf Creek.	Gold ore.
208. Irvine, E. H. & Co., Butte.	Gold, silver and silver-lead ores, placer gold.	236. Logue, William, Chester.	Silver- lead ore.
209. I. X. L. Mine, Snow Creek.	Silver and gold ores.	237. Lone Pine and Jayhawk Mining Co., Dewey's.	Silver ore.
210. Jack, William & Co., Butte.	Silver ore and quartz.	238. Lone Star Mine, Pilgrim Creek.	Sil- ver ore.
211. Johnson, M. W., Helena.	Agatized quartzose.	239. Lord Byron Mine, Cooke City.	Sil- ver-lead ore.
212. Johnson & Jackson, Elliston.	Silver- lead ore.	240. Louis Phillippe Mine, Argenta.	Sil- ver-lead and silver ores.
213. J. T. Mine, Red Mountain.	Silver ore, argentite.	241. Mac Mining Co., Helena.	Gold ore.
214. Judge Mining Co., Castle.	Silver- lead ore.	242. Maginnis Mining Co., Maiden.	Gold, silver and silver-lead ores.
215. Justice Mine, Maiden.	Silver-lead ore, carbonates.	243. Magnet Mine, Elkhorn.	Silver ore.
216. Keith, J. M., Missoula.	Lead ore.	244. Manitoba Mine, Dry Wolf Creek.	Silver ore.
217. Kendal & O'Brien, Crystal Mountain.	Gold and silver ores.	245. Mantrap Mine, Elkhorn.	Silver ore.
218. Kerr, Thomas, Maiden.	Gold and silver ores.	246. Marchesseau & Co., Butte.	Silver ore.

## Minerals, Ores, Native Metals, Gems and Crystals.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
247. Marie Krall Mine, Neihart. Silver-lead ore.	291	270. Monarch Mining Co., Neihart. Silver and silver-lead ores.	291
248. Marion & Co., Iron Creek. Iron ore.	291	271. Montana Central Mine, Running Wolf Creek. Silver-lead ore.	291
248a. Marsh, R. & Co., Missoula. Lead ore.	291	272. Montana National Bank. Gold nuggets and plain gold.	291
249. Matthews, R. B., Maiden. Gold and silver ores.	291	276. Montana State. Skunk Gulch and Sand Coulee iron ore; Big Blackfoot gold; Oleson Gulch malachite; Hasmark garnets; Dry Cottonwood tourmaline; Deer Lodge manganese; Glendive petrified wood; agatized and rose quartz; chrysotile; Lewiston silver ore; Argenta calcite; stalactite; Bloody Dick Creek tourmaline; Bear Gulch dendrites; Neihart calcite and iron ore; Phillipsburg lead and silver ore; Elliston lead.	291
251. Matthews & Kingsley, Maiden. Gold ore.	291	277. Monticello Mine, Yogo. Gold ore.	291
253. Maurer, William, Maiden. Gold, silver and silver-lead ores.	291	278. Morning Star Mine, Cooke City. Silver-lead ore.	291
254. Maurer & Schaeffer, Maiden. Gold and silver ores.	291	278a. Morning Star Mining Co., Neihart. Silver ore.	291
254a. May W. Mine, Yogo. Gold ore.	291	278b. Morris, Mrs., Corbin. Cerussite.	291
255. Meridian Mine, Dry Wolf Creek. Iron ore.	291	279. Morrow, William, Basin. Gold and silver ores.	291
255a. Merrimac Mining Co., Castle. Silver-lead ore.	291	280. Mortson & Woodhurst, Running Wolf Creek. Silver-lead ore.	291
256. Metlen, Geo., Red Rock. Satin spar, pyrolusite.	291	282. Moscow Mine, Dry Wolf Creek. Silver ore.	291
258. McAdow, P. W., Maiden. Gold and silver-lead ores, telluride, quartz.	291	284. Mosquito Mine, Cooke City. Silver and lead ores.	291
258a. McCormick, John, Butte. Native gold and tetradynate.	291	284a. Moulton Mine, Cooke City. Silver and lead ore.	291
259. McGhee & Co., Drummond. Garnets.	291	285. Moulton Mining Co., Butte. Silver ore, quartz.	291
260. McIntosh & Co., Neihart. Silver ore, quartz and pyrite.	291	287. Mountain Side Mine, Running Wolf Creek. Silver-lead ore.	291
261. McKean, William, Missoula. Lead ore.	291	287a. Mountain View Mine, Blue Wing. Silver ore.	291
261a. McKinstry & Co., Butte. Silver ore.	291	287b. Mueller & Co., Neihart. Silver-lead ore, quartz.	291
261b. Miller, George, Corbin. Silver and silver-lead ores.	291	288. Munroe Mine, Cooke City. Silver ore.	291
262. Miller, J. B., Silver Star. Gold and silver ores.	291	289. Munson & Co., Maiden. Silver ore.	291
264. Mineral Hill Co., Castle. Silver-lead ore.	291	291. Murphy, James, Maiden. Gold and silver ores.	291
264a. Minnehaha Mine, Cooke City. Silver ore.	291	291a. Murphy, J. H., Rimini. Silver-lead ore.	291
264b. Mitchell, A. H. & Co., Dunkelburg. Gold and silver ores; quartz; tourmaline.	291	292. Murray, J. A., Butte. Silver-lead and silver-copper ores.	291
264c. Mitchell, James, Maiden. Silver-lead ore.	291	293. Muth, William, Helena. Lead ore.	291
265. Mitchell & Co., Butte. Silver ore.	291	294. M. & M. Mine, Dry Wolf Creek. Gold ore.	291
266. Mitchell & Bluett, Maiden. Silver ore.	291		
267. Mix & Barret, Neihart. Silver-lead ore.	291		
268. Moe, Wright & Wilson, Maiden. Silver-lead ore.	291		
268a. Mogul Mining Co., Neihart. Silver and silver-lead ores.	291		
269. Molson, C. A., Elkhorn. Silver crystals.	291		

## Minerals, Ores, Native Metals, Gems and Crystals.

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297. Narrow Gauge Mine, Black Baldy.		345. Pioneer Placer Co., Pioneer.	Gold
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298. Neihart & Crandall, Neihart.	Silver-	346. Poland, Mrs. Kate, Maiden.	Gold
lead ore.	291	and silver ores.	291
299. New Chicago Mine, Red Mountain.		347. Poland, M. L., Maiden.	Gold and silver ores.
Gold ore.	291		291
300. New Granite Mountain Mine, White Sulphur Springs.	Silver-lead ore.	348. Powderly Mining Co., Robinson and Castle.	Silver-lead ore.
301. New World Mine, Cooke City.	Silver and silver-lead ores.	349. Queen Melvina Mine, Yogo.	Gold ore.
302. Nine-Mile Mining Co., Missoula.	Gold ore; free gold.	350. Queen of the Hills Mine, Argenta.	Silver and silver-lead ores.
303. Norman & Co., Maiden.	Gold ore.	351. Rara Avis Mine, Cooke City.	Silver-lead ore.
	291	352. Ramsey, Jas. G. & Co., Butte.	Silver and silver-lead ores.
304. Noble Mine, Wisconsin.	Gold and silver ores.	353. Red Bud Mine, Argenta.	Silver ore.
305. Norman and Hanson, Red Mountain.	Silver-lead ore.		291
306. North Boulder Mine, Maiden.	Silver ore.	354. Redding, E., Jefferson.	Silver and silver-lead ores.
307. Northern Pacific Mine, Maiden.	Silver ore.	355. Reed, H. S., Dry Cottonwood.	Silver ore, manganese, molybdenite.
308. Obelisk Mining Co., Basin.	Silver-lead ore, molybdenite.	356. Reed, William, Bonner's Ferry.	Lead ore.
309. O'Brien, John, Helena.	Gold and silver ores.	357. Rena Mine, Argenta.	Silver ore.
310. O'Hanlon Mine, Bear Paw Mountain.	Silver-lead ore.	358. Rich & Gies, Virginia Gulch.	Silver ore.
311. Oker, Joe, Garrison.	Silver ore.	359. Rittenhouse Mine, Argenta.	Silver ore.
312. Oro Fino Mining Co., Champion.	Silver ore.	360. Ridell, C., Maiden.	Gold, silver and silver-lead ores, stalactite.
313. Packard Mine, Beaver Creek.	Silver-lead ore.	361. Root, F., Twin Bridges.	Gold and silver ores.
314. Park View Mine, Neihart.	Silver-lead ore.	362. Rothschild, Beck & Co., Bald Mountain.	Vanadinite.
315. Parnell Mine, Cooke City.	Silver-lead.	363. Royal Gold Mining Co., Medhurst.	Gold ore.
316. Pay Rock Mine, Maiden.	Silver ore.	364. Sage, Frank, Maiden.	Gold and silver ores.
317. Pearl Mining Co., Phillipsburg.	Lead ore.	365. Sage, J. S., Maiden.	Gold and silver ores.
318. Pellingner, E. M., Twin Bridges.	Gold and silver ores.	366. Sage, J. F., Maiden.	Silver ore.
319. Peary, L., Castle.	Silver ore, tufa.	367. Sager & Maurer, Maiden.	Silver ore.
320. Pennington, Joseph, McCarty Mount-ain.	Gold and silver ores.	368. San Francisco Mine, Argenta.	Silver ore.
321. Pew, Arthur & Co., Castle.	Silver-lead ore.	369. Savage Mine, Carpenter Creek.	Silver and silver-lead ores.
322. Pilon, A., Argenta.	Gold nuggets.	370. San Martina Mining Co., Missoula.	Gold ore.
323. Phoenix Mining Co., Champion.	Silver ore.	371. Savery, J. C., Cable.	Gold ore, pyrites, calcite, malachite, native gold, tetradymite.
324. Pleasant View Mine, Missoula.	Silver ore.	372. Scott & Galigher, Argenta.	Lead, silver and silver-lead ores.
	291	373. Seligman, A. J., Argenta.	Lead ore.
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## Minerals, Ores, Native Metals, Gems and Crystals.

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354. Shaughnessy, J. & Co., Libby.	291	383. Stump Mine, Cooke City. Silver ore.
Lead ore.	291	384. Street Mine, Cooke City. Silver ore.
355. Shaw, G. W., Missoula. Gold ore.	291	385. Sullivan, Con., Butte. Silver ore.
356. Shaw & Johnson, Helena. Silver and silver-lead ores.	291	386. Susquehanna Mine, Dry Wolf Creek. Gold ore.
357. Sheridan Silver Mining Co., Butte. Silver ore.	291	387. Telephone Mine, Champion. Silicated tremolite.
358. Sherman, B. R., White Sulphur Springs. Silver-lead ore.	291	388. T. C. Power Mine, Yogo. Gold ore.
359. Sherman, W. E. Mining Co., Castle. Silver-lead ore.	291	389. Thomas Haw Mine, Argenta. Silver ore.
360. Shonbar Mining Co., Butte. Silver ore.	291	390. Tibbits Mining Co., Pioneer. Native gold.
361. Silver Crown Mining Co., Champion. Silver ore.	291	391. Tierney, B. B. & Co., White Sulphur Springs. Silver-lead ore.
362. Silver Horn Mine, Carpenter Creek. Silver-lead ore.	291	392. Tilden Mining Co., Argenta. Silver lead and lead ores, quartz, carbonates.
363. Silver Star Mining Co., Robinson. Silver-lead ore.	291	393. Tower, E. M. & Co., Missoula. Silver and lead ores.
364. Silver Reef Mine, Carpenter Creek. Silver ore.	291	394. Trestle, William, Twin Butte. Gold and silver ores.
365. Sir Walter Scott Mine, Running Wolf Creek. Silver-lead ore.	291	395. Trinidad Mine, Robertson. Silver lead ore.
366. Simpson Mine, Elkhorn. Silver ore.	291	396. Turn Blade Mine, North Meade. Gold ore.
367. Smith, Julian, Butte. Silver ore.	291	397. Turner, Mr., Butte. Surface silver.
368. Smith, Irvine & Co., Butte. Silver ore.	291	398. Tuscarora Mine, Argenta. Lead silver-lead ores.
369. Snow Bird Mine, Sheridan. Gold and silver ores.	291	399. Utopia Mine, Vipond. Silver ore.
370. Snow Storm Mine, Maiden. Gold and silver ores.	291	400. Utica Mine, Running Wolf Creek. Gold ore.
371. Southern Cross Mining Co., Georgetown. Gold ore.	291	401. Voltaire Mine, Judith. Silver gold ores.
372. Solid Silver Mining Co., Castle. Silver-lead ore.	291	402. Van Beck, James, Virginia. Gold and silver ores.
373. Spanish Mine, Argenta. Lead ore.	291	403. Vulcan No. 2 Mine, Butte. Silver.
374. South Fork Mine, Running Wolf Creek. Gold ore.	291	404. Vantilbergh, William, Maiden. Silver and silver ores.
375. Spotted Colt Mine, Maiden. Gold ore.	291	405. War Horse Mine, Dry Wolf Creek. Gold ore.
375a. Spratt, A. N., Alpena, Mich. Sapphires and garnets.	291	406. Wacesek Bros., Maiden. Silver ore.
376. Standard Mine, Argenta. Silver ore.	291	407. Warmer, R. B. & Co., Maiden. Silver-lead.
377. Standing Rock Mine, Phillipsburg. Manganese.	291	408. Waverly Mine, Snow Creek. Silver ore.
378. Steamboat Mine, Running Wolf Creek. Silver-lead ore.	291	409. West Carbonate Mine, Maiden. Silver and silver ores.
379. St. Helena Mining Co., Helena. Gold and silver ores.	291	410. Weatherwax Mine, Yogo. Gold ore.
380. Stephens, C., Maiden. Gold and silver ores.	291	411. West Granite Mine, Granite. Silver ore.
381. Stillwater Mine, Cooke City. Silver ore.	291	
382. St. Louis and Montana Smelter, Argenta. Silver ores, litharge.	291	

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433. White Warrior Mine, Cooke City. Silver-lead ore.	291
434. Whippoorwill Mining Co., Carpenter Creek. Silver-lead ore.	291
435. Willard & Chapin, Alhambra. Silver-lead ore.	291
436. Whitlatch Union & McIntyre Co., Unionville. Gold ore and pyrites.	291
437. Willis, O., Utopia District. Magnetite.	291
438. Williams & Fuller, Maiden. Gold and silver ores.	291
439. Wilson, Hank, Neihart. Silver and silver-lead ores.	291
440. Wilson, W. E., Maiden. Gold, silver and silver-lead ores.	291
441. Wilson, William, Butte. Surface silver.	291
442. Winston Bros., Jefferson. Silver and silver-lead ores.	291
443. Wisconsin Mine, Cooke City. Gold and silver ores.	291
444. Witter & Chisolm, Argenta. Silver ore.	291
445. Yellowstone Mining Co., Castle. Silver-lead ore.	291
446. Ziegler, Louis, Placer. Gold and silver ores.	291
447. Zotel, William, Zotel. Lead ore.	291

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449. Dusett & Anderson, Castle. Coal.	292
450. Horr Coal & Coke Co., Livingston. Coal and coke.	292
451. Metlen, George, Red Rock. Coal.	292
452. Montana Coal and Iron Co., Collar Creek. Coal.	292
453. Morans, Mr., Flat Willow. Coal.	292
454. Montana State. a Cannel coal from Lewiston.	292
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457. Shields Mine, Belt Creek. Coal and coking coal.	292
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444. Irvine & Co., Dempsey Creek. Marble.	296
445. Louis Phillippe Mine, Argenta. Jasper, granite and limestone.	296
446. Montana State. Sweet Grass Hills marble, Lewiston building rock, Wabash jasper and chalcedony, Brown's Gulch rhyolite, Upper Carpenter Creek building stone.	296
447. Reed, H. S., Dry Cottonwood. Porphyry.	296
448. Reed & Co., Deer Lodge. Building rock.	296
449. Rittenhouse Mine, Argenta. Jasper.	296
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454. Fletcher, F. N., Pony. Graphite.	298
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457. Metlen, George, Red Rock. Mica.	305
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459. Montana Asbestos Co., Bozeman. Asbestos.	307
460. Montana State. a Graphite from Dillon.	298
461. b Silica from New Chicago.	304

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## Gypsum, Sulphur, Copper and its Alloys.

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479. Chickannon Mining Co., Lo Lo. Copper ore.	340
480. Clark, J. K. & Co., Butte. Silver-copper ore.	340
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492. Glendale Mine, Judith. Silver-copper ore.	
493. Hausman, John, Zozel. Copper ore.	
494. Hecla Mining Co., Lion City. Copper ore.	
495. Homestake Mine, Cooke City. Copper ore.	
496. Iron Clad Age Mine, Maiden. Silver-copper ore.	
497. Irvine, E. H. & Co., Missoula. Copper ore.	
498. King & Co., Pilgrim Creek. Copper ore.	
499. Kroger, W. W., Phillipsburg. Copper ore.	
500. Largey, P. A. & Co., Butte. Copper ore.	
501. Laughlin, Henry, Argenta. Copper ore.	
502. Leggart, John A., Butte. Copper ore.	
503. Lexington Mining Co., Lexington. Copper carbonate.	
504. Maginnis Mining Co., Maiden. Silver-copper ore.	
505. Maurer & Schaeffer, Maiden. Copper ore.	
506. McAuley, John J., Clancy. Silver-copper ore.	
507. Mitchell, A. H. & Co., Dunkelbush. Copper and silver-copper ores.	
508. Mulville, S., Butte. Copper and silver-copper ores.	
509. Moffet & Co., Camp Creek. Copper ore.	
510. Montana State. Surface copper from Horse Canyon.	
511. Murray, J. A., Butte. Copper ore.	
512. Muth, William, Helena. Copper ore.	
513. North Hampton Mining Co., Phillipsburg. Gray copper ore.	
514. Ore-Cache Mine, Maiden. Silver-copper ore.	
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523. Sage, Frank, Maiden. Silver-copper ore.	340
524. Shaw & Johnson, Helena. Copper ore.	340
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## • NEVADA.

## LOCATION-GALLERY B, 10.

## Minerals, Ores, Native Metals, Gems and Crystals, Geological Specimens.

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Exhibit No.	Class'n No.
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Minerals, Ores, Building Stones, Mica.

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LOCATION—SEC. Q, 9.

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# MINING AND METALLURGY

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53.	Ernst, Ithor, South Amboy.	Stone	304
54.	Ernst, Ithor, South Amboy.	Stone	304
55.	Ernst, Ithor, South Amboy.	Stone	304
56.	Ernst, Ithor, South Amboy.	Stone	304
57.	Ernst, Ithor, South Amboy.	Stone	304
58.	Ernst, Ithor, South Amboy.	Stone	304
59.	Ernst, Ithor, South Amboy.	Stone	304
60.	Ernst, Ithor, South Amboy.	Stone	304
61.	Ernst, Ithor, South Amboy.	Stone	304
62.	Ernst, Ithor, South Amboy.	Stone	304
63.	Ernst, Ithor, South Amboy.	Stone	304
64.	Ernst, Ithor, South Amboy.	Stone	304
65.	Ernst, Ithor, South Amboy.	Stone	304
66.	Ernst, Ithor, South Amboy.	Stone	304
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69.	Ernst, Ithor, South Amboy.	Stone	304
70.	Ernst, Ithor, South Amboy.	Stone	304
71.	Ernst, Ithor, South Amboy.	Stone	304
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73.	Ernst, Ithor, South Amboy.	Stone	304
74.	Ernst, Ithor, South Amboy.	Stone	304
75.	Ernst, Ithor, South Amboy.	Stone	304
76.	Ernst, Ithor, South Amboy.	Stone	304
77.	Ernst, Ithor, South Amboy.	Stone	304
78.	Ernst, Ithor, South Amboy.	Stone	304
79.	Ernst, Ithor, South Amboy.	Stone	304
80.	Ernst, Ithor, South Amboy.	Stone	304
81.	Ernst, Ithor, South Amboy.	Stone	304
82.	Ernst, Ithor, South Amboy.	Stone	304
83.	Ernst, Ithor, South Amboy.	Stone	304
84.	Ernst, Ithor, South Amboy.	Stone	304
85.	Ernst, Ithor, South Amboy.	Stone	304
86.	Ernst, Ithor, South Amboy.	Stone	304
87.	Ernst, Ithor, South Amboy.	Stone	304
88.	Ernst, Ithor, South Amboy.	Stone	304
89.	Ernst, Ithor, South Amboy.	Stone	304
90.	Ernst, Ithor, South Amboy.	Stone	304
91.	Ernst, Ithor, South Amboy.	Stone	304
92.	Ernst, Ithor, South Amboy.	Stone	304
93.	Ernst, Ithor, South Amboy.	Stone	304
94.	Ernst, Ithor, South Amboy.	Stone	304
95.	Ernst, Ithor, South Amboy.	Stone	304
96.	Ernst, Ithor, South Amboy.	Stone	304
97.	Ernst, Ithor, South Amboy.	Stone	304
98.	Ernst, Ithor, South Amboy.	Stone	304
99.	Ernst, Ithor, South Amboy.	Stone	304
100.	Ernst, Ithor, South Amboy.	Stone	304

### GROUP 44.

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### GROUP 46.

101.	Ernst, Ithor, South Amboy.	Stone	304
102.	Ernst, Ithor, South Amboy.	Stone	304
103.	Ernst, Ithor, South Amboy.	Stone	304
104.	Ernst, Ithor, South Amboy.	Stone	304
105.	Ernst, Ithor, South Amboy.	Stone	304
106.	Ernst, Ithor, South Amboy.	Stone	304
107.	Ernst, Ithor, South Amboy.	Stone	304
108.	Ernst, Ithor, South Amboy.	Stone	304
109.	Ernst, Ithor, South Amboy.	Stone	304
110.	Ernst, Ithor, South Amboy.	Stone	304
111.	Ernst, Ithor, South Amboy.	Stone	304
112.	Ernst, Ithor, South Amboy.	Stone	304
113.	Ernst, Ithor, South Amboy.	Stone	304
114.	Ernst, Ithor, South Amboy.	Stone	304
115.	Ernst, Ithor, South Amboy.	Stone	304
116.	Ernst, Ithor, South Amboy.	Stone	304
117.	Ernst, Ithor, South Amboy.	Stone	304
118.	Ernst, Ithor, South Amboy.	Stone	304
119.	Ernst, Ithor, South Amboy.	Stone	304
120.	Ernst, Ithor, South Amboy.	Stone	304
121.	Ernst, Ithor, South Amboy.	Stone	304
122.	Ernst, Ithor, South Amboy.	Stone	304
123.	Ernst, Ithor, South Amboy.	Stone	304
124.	Ernst, Ithor, South Amboy.	Stone	304
125.	Ernst, Ithor, South Amboy.	Stone	304
126.	Ernst, Ithor, South Amboy.	Stone	304
127.	Ernst, Ithor, South Amboy.	Stone	304
128.	Ernst, Ithor, South Amboy.	Stone	304
129.	Ernst, Ithor, South Amboy.	Stone	304
130.	Ernst, Ithor, South Amboy.	Stone	304
131.	Ernst, Ithor, South Amboy.	Stone	304
132.	Ernst, Ithor, South Amboy.	Stone	304
133.	Ernst, Ithor, South Amboy.	Stone	304
134.	Ernst, Ithor, South Amboy.	Stone	304
135.	Ernst, Ithor, South Amboy.	Stone	304
136.	Ernst, Ithor, South Amboy.	Stone	304
137.	Ernst, Ithor, South Amboy.	Stone	304
138.	Ernst, Ithor, South Amboy.	Stone	304
139.	Ernst, Ithor, South Amboy.	Stone	304
140.	Ernst, Ithor, South Amboy.	Stone	304
141.	Ernst, Ithor, South Amboy.	Stone	304
142.	Ernst, Ithor, South Amboy.	Stone	304
143.	Ernst, Ithor, South Amboy.	Stone	304
144.	Ernst, Ithor, South Amboy.	Stone	304
145.	Ernst, Ithor, South Amboy.	Stone	304
146.	Ernst, Ithor, South Amboy.	Stone	304
147.	Ernst, Ithor, South Amboy.	Stone	304
148.	Ernst, Ithor, South Amboy.	Stone	304
149.	Ernst, Ithor, South Amboy.	Stone	304
150.	Ernst, Ithor, South Amboy.	Stone	304

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## NEW MEXICO.

## LOCATION -SEC. Q, 28.

## Minerals, Ores, Native Metals, Gems and Crystals, Geological Specimens.

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5. Black Colt Mining Co., Sierra County. Gold and silver ores.	291	21. Dreadnaught Mine, Sierra County. Silver ore.	291
6. Black-Eyed Susan Mine, Sierra County. Silver and lead ores.	291	21a. Dudene Mine, Sierra County. Gold, silver and lead ores.	291
7. Black Knife Mine, Sierra County. Silver and lead ores.	291	22. Elephant Mine, Sierra County. Gold and silver ores.	291
8. Bonanza Mine, Sierra County. Gold and silver ores.	291	23. Emporia Mine, Sierra County. Gold and silver ores.	291
9. Bonanza Mining Co., Sierra County. Gold and silver ores.	291	24. Foster, Mrs. S. P., Sierra County. Silver and lead ores.	291
10. Brush Heap Mining Co., Sierra County. Gold, silver and lead ores.	291	25. Gen. Sheridan Mine, Sierra County. Silver, lead and manganese ores.	291
10a. Bullion Mine, Sierra County. Gold, silver and lead ores.	291	26. Georgetown District, Grant County. Silver ores.	291
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12. Cayuga Chief Mine, Sierra County. Silver and lead ores.	291	31. Great Republic Mine, Sierra County. Gold and silver ores.	291
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## Minerals, Ores, Native Metals, Gems and Crystals, Geological Specimens.

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39a. Kangaroo Mine, Sierra County. Gold and silver ores.	291	53. Pelican Mining Co., Sierra County. Gold, silver and lead ores.	291
39b. Keystone Mine, Sierra County. Gold, silver and lead ores.	291	54. Readjuster Mine, Sierra County. Silver ore.	291
39. "L" Mine, Sierra County. Gold, silver and lead ores.	291	55. Rose Mine, Grant County. Silver ores.	291
39a. Lady Franklin Mine, Sierra County. Gold and silver ores.	291	57. Santa Fe County. Gold, silver and iron ores.	291
40. Lincoln County. Gold, silver, iron and lead ores.	291	58. Sierra County. Gold, silver, copper, lead and iron ores and carbonates.	291
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40b. Little Aetna Mine, Sierra County. Gold, silver and lead ores.	291	58b. Silver King Mine, Sierra County. Gold, silver and lead ores.	291
40c. Liverpool Mine, Sierra County. Gold, silver and lead ores.	291	58c. Sierra County. Mineral cabin made of Sierra county ores.	
41. Log Cabin Mine, Sierra County. Gold and silver ores.	291	59. Silver Monument Mining Co., Sierra County. Gold and silver ores.	291
41a. Lordsburg District, Grant County. Gold, silver and lead ores.	291	60. Socorro County. Gold, silver, iron and lead ores.	291
42. Lost Heir Mine, Sierra County. Silver and lead carbonates.	291	60a. Solid Silver Mine, Grant County. Silver ores.	291
43. Mail Line Mine, Sierra County. Gold and silver ores.	291	60b. Solitaire Mine, Sierra County. Gold and silver ores.	291
44. Mamie Richmond Mining & Milling Co., Sierra County. Gold bearing quartz.	291	60c. Standard Gold Mining & Milling Co., Sierra County. Gold bearing quartz.	291
44a. Martin Mine, Grant County. Silver and lead ores.	291	61. St. Cloud Mine, Sierra County. Gold and silver ores.	291
45. Midnight Mining Co., Sierra County. Gold and silver ores.	291	61a. Superior Mine, Sierra County. Gold and silver ores.	291
46. Miles Standish Mine, Sierra County. Chloride and horn silver.	291	62. Taos County. Gold, silver and iron ores.	291
47. Miner's Dream Mine, Sierra County. Silver and lead ores.	291	62a. Teal and Poe Mines, Grant County. Silver and lead ores.	291
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## Ores, Mineral Combustibles, Building Stones, Gypsum, Sulphur, Copper.

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63. Troeger, R. C., Sierra County. Collection of minerals.	290
63a. U. S. Treasury Mine. Gold and silver ores.	291
65. Victorio Chief Mine, Sierra County. Gold, silver and lead ores.	291
65a. Virginian Mine, Sierra County. Gold, silver and lead ores.	291
65b. Voltaire Mine, Sierra County. Lead and zinc ores.	291

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## GROUP 44.

67. American Turquoise Co., Los Cerillos, Santa Fe County. Turquoise.	296
68. Cadwell, Lydia J., Silver City. New Mexican ricolite.	296
69. Porterfield, M. W., Silver City, Grant County. Turquoise.	296
70. Ricolite District, Grant County. Serpentine marble.	296
71. Saint, J. E., Bernalillo County. Onyx.	296

## GROUP 47.

72. Socorro County. Gypsum.	313
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## GROUP 48.

73. Grant County.	
a Alum.	316
b Sulphur.	317

## GROUP 51.

74. Argonaut Mine, Sierra County. Copper ore.	340
75. Bernalillo County. Copper ore.	340
76. Black Colt Mining Co., Sierra County. Copper ore.	340

Exhibit No.	Class'n No.
77. Black Knife Mine, Sierra County. Copper ore.	340
78. Bonanza Mine, Sierra County. Copper ore.	340
79. Bonanza Mining Co., Sierra County. Copper ore.	340
79a. Central City District, Grant County. Copper ore.	340
80. Christopher Columbus, Sierra County. Copper ore.	340
81. Climax Mine, Sierra County. Copper ore.	340
83. Colossal Mining Co., Sierra County. Copper ore.	340
83a. Copper City District, Bernalillo County. Copper ore.	340
84. Copper King Mining Co., Sierra County. Copper ore.	340
85. Dreadnaught Mine, Sierra County. Copper ore.	340
87. Foster, Mrs. S. P., Sierra County. Copper ore.	340
89. Grant County. Copper ore.	340
90. Gray Eagle Mining Co., Sierra County. Copper ore.	340
91. Great Republic Mine, Sierra County. Copper ore.	340
92. Hachito District, Grant County. Copper ore.	340
93. Hanover District, Grant County. Copper ore.	340
94. Midnight Mining Co., Sierra County. Copper ore.	340
100. Santa Fe County. Copper ore.	340
101. Sierra County. Copper ore.	340
102. Silver Monument Mining Co., Sierra County. Copper ore.	340
103. Standard Gold Mining Co., Sierra County. Copper ore.	340
104. St. Cloud Mine, Sierra County. Copper ore.	340
105. Taos County. Copper ore.	340

## GROUP 67.

107. Clark, Mrs. Ellis. Model of Silver Mining Co.'s properties.	41
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## NEW YORK.

## LOCATION—SEC. N, 9.

Minerals, Ores, Mineral Combustibles, Building Stones, Quarry Products.

## GROUP 42.

Exhibit No.	Class'n No.
1. Ancram Iron Ore Co., Ancram. Iron ore.	291
2. Chateaugay Ore & Iron Co., Plattsburg. Iron ore tailings and concentrates.	291
3. Clinton Iron Ore Co., Clinton. Iron ore.	291
3a. Forest of Dean Iron Mine. Magnetite	291
4. Furnaceville Iron Co., Ontario. Iron ore.	291
5. Hudson River Ore & Iron Co., Burden. Iron ore.	291
6. Magnetic Iron Ore Co., New York. Iron ore and concentrates.	291
6. New York Geological Survey, Albany. Quartz and feldspar.	291
7. Port Henry Iron Ore Co., Port Henry. Iron ore.	291
8. Rossie Iron Works, Spragueville. Iron ore.	291
9. Tilly Foster Iron Mines, Tilly Foster. Iron ore.	291
10. Tower, A. E., & Bro., Poughkeepsie. Iron ore.	291
11. Witherbee, Sherman & Co., Port Henry. Iron ore.	291

## GROUP 43.

12. Allegany County. Petroleum.	294
13. Allen, R., Alma. Petroleum.	294
14. Allen & Sternberg, Bolivar. Petroleum.	294
15. Andrus & Sons, Bolivar. Petroleum.	294
15a. Cattaraugus County. Petroleum.	294
16. Davis & Torrey, Alma. Petroleum.	294
17. Laubenthal, Allegany. Petroleum.	294
18. McDonald, Mr., Alma. Petroleum.	294
19. Miles, I., Scio. Petroleum.	294
20. Mulken, Mr., Richburg. Petroleum.	294
20a. Niles, Cayuga County. Petroleum.	294
21. Norton, Mr., Scio. Petroleum.	294
22. Penny, W. J., Greenwood. Petroleum.	294

Exhibit No.	Class'n No.
23. Scott, R., Bolivar. Petroleum.	294
24. Sherley & Hostetter, Alma. Petroleum.	294
25. Sims, Mr., Four-Mile. Petroleum.	294
25a. Steuben County. Petroleum.	294
26. Union Oil Company, Allegany. Petroleum.	294

## GROUP 44.

27c. Bailey, James, Cold Spring. Granite.	296
27d. Barron, J. G., Three Mile Bay. Blue limestone.	296
27e. Berridge, J. B., Becraft's Mountain. Coral shell marble; limestone.	296
29. Boice, Hewitt, Rondout. Sandstone.	296
30. Bouton, Arthur W., Roxbury. Sandstone.	296
33. Buffalo Cement Company, Buffalo. Limestone.	296
33a. Burhaus & Brainard, Saugerties. Sandstone.	296
33b. Callanan Brothers, Bethlehem. Limestone.	296
33c. Carpenter, J. & C., Lockport. Limestone.	296
34. Clarke, F. G., Bluestone Company, Oxford. Sandstone.	296
35. Clark, S. W., Willsborough Point. Limestone.	296
36. Clarkson, Thomas S., Potsdam. Sandstone.	296
37. Dibble, Alfred, Belvidere. Sandstone.	296
39. Duford & Son, Chaumont. Limestone.	296
39a. Emmett, J., Waterloo. Limestone.	296
40. Foery & Kastner, Rochester. Limestone.	296
41. Fogelsonger, D. R. & H., Buffalo. Limestone.	296
41a. Forsyth, R., Jefferson county. International granite.	296
42. Glens Falls Company, Glens Falls. Limestone.	296
43. Gotts, Mr., Medina. Sandstone.	296

## Building Stones, Quarry Products, Polishing Substances, Clays and their Products.

Exhibit No.	Class'n No.
44. Hewitt, D. C., Amsterdam.	Lime-stone. 296
45. Horan Bros., Medina.	Sandstone. 296
45a. Hotchkiss, L. W., Lewiston.	Red Medina sandstone. 296
45b. Hudson River Stone Supply Co., Cold Spring.	Granite. 296
49. King Granite Company, New York.	Sandstone. 296
Quarries situated at Garrisons, on Hudson, opposite West Point, 50 miles from New York. Stone is light in weight and color. Resistance, 21,060 lbs. to sq. inch. Proximity to Hudson river affords best facilities for quick despatch in delivery and low cost of freight. New York office, 53 William St.	
49a. Kirkpatrick Bros., Hancock.	Sandstone. 296
49b. Larkins, Francis, Sing Sing.	Granite. 296
49c. Mason, B. B., Keesville.	Norite. 296
51. McClune, G. C., Ithaca.	Sandstone. 296
51a. Masterton & Hall, Tuckahoe.	Marble. 296
52a. Mt. Eve Granite Co., Mt. Eve, Orange County.	Granite. 296
53a. Nevins, J., & Son, Delaware County.	Sandstone. 296
53b. New York Geological Survey, Albany.	Trap from Staten Island. 296
53c. New York State Museum, New York.	Marble from Hastings. 296
53d. New York State Quarries, New York.	Marble from Sing Sing. 296
54. Ornamental Slate Co., Middle Granville.	Red, pea-green and variegated slate. 296
55a. Parmeter, D., Potsdam.	Sandstone. 296
56. Persbacher Bros. & Co., Callicoon.	Flagstone. 296
57. Pitkin's, Peter, Sons, Rochester.	Sandstone. 296
58. Potsdam Red Sandstone Company, Potsdam.	Sandstone. 296
58a. Pritchard, A. L., Pleasantville.	Marble. 296
58c. Riley, Mr., Breakneck.	Granite. 296
58d. Ryan, S., Medina.	Red Medina sandstone. 296
58e. Shanahan, J., Tribes Hill.	Lime-stone. 296
59. Shaper, A. E., Canajoharie.	Lime-stone. 296
60. Shear & Co., Schenectady.	Sandstone. 296
62. St. Lawrence Marble Company, Gouverneur.	Marble. 296

Exhibit No.	Class'n No.
62a. Symonds, A. D., Elmira.	Sandstone. 296
63. Thomas, Evan, Prospect.	Limestone. 296
65a. Verd Antique Marble Co., Thurman.	Serpentine marble. 296
65b. Walton, Mr., Port Henry.	Serpentine marble. 296
66. Warsaw Bluestone Company, Warsaw.	Sandstone. 296
66a. White & Allen, Saratoga.	Gneissoid granite. 296

## GROUP 45.

66b. Behr, Herman, & Co., Whitehall.	Garnet. 297
66c. Caldwell, F. S., Selkirk.	Molding sand. 297
66d. Loop, J. J., Selkirk.	Molding sand. 297
66e. Lynch, Daniel, Minerva.	Garnet. 297
66f. Mace, J., Clintonville.	Molding sand. 297

## GROUP 46.

68. Adams Brick & Terra Cotta Co., Buffalo.	Clay. 304
69. Adirondack Pulp Company, Gouverneur.	Talc, crude and powdered. 305
70. Anderson Pressed Brick Company, Staten Island.	Clay and pressed bricks. 304
71. Asbestos Pulp Company, Gouverneur.	Talc, crude and powdered. 305
73. Bolton, William, Evans.	Clay. 304
74. Bostwick, W. H., Spencer.	Clay. 304
75. Brush Bros., Buffalo.	Clay and sand. 304
76. Brush & Smith, Jewettville.	Shale and sample brick. 304
77. Buffalo Star Brick Company, Buffalo.	Clay. 304
78. Burke & Mead, Canandaigua.	Clay and sample brick. 304
78a. Carie, A., Great Neck.	Pottery. 304
79. Campbell, T. B., Newfield.	Paving and building brick and clay. 304
80. Carpenter Bros., Sea Cliff.	Stone-ware clay, fire sand, kaolin, etc. 304
81. Celadon Terra Cotta Company, Alfred Centre.	Clay and roofing tile. 304
82. Central New York Drain-tile Company, Chittenango.	Clay and drain-tile. 304
84a. Cornell Lime Co., Pleasantville.	Marble dust. 304
84b. Crystal Sand Manufacturing Co., Ellenville.	Glass sand. 304

## Clays and their Products, Limestone, Cement, Etc.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
86. Dunn, Dolan & Co., Oyster Bay. Clay and sand.	304	123. Peck, B. F., East Bethany. Clay and drain-tile.	304
86a. Dunlop, Robt. Gypsum.	313	124. Post Bros., East Williston. Clay and brick samples.	304
89. Empire Brick Manufacturing Company, Breesport. Clay.	304	124a. Richardson Quarry, Cayuga Lake. Selenite.	304
90. Excelsior Brick Company, Haverstraw. Clay and sand.	304	125. Riesterer, M., Tonawanda. Clay.	304
92. Fisher's Island Brick Company, Long Island. Clay and sand.	304	126. Rochester Brick & Tile Manufacturing Co., Rochester. Clay and brick.	304
93. Flagler & Allen, Arlington. Clay.	304	127. Sanford, C. L., Southold, Long Island. Clay and brick.	304
94. Garrett, H. L., South Trenton. Clay.	304	129. Sigler, J., Clarkson. Clay.	304
95. Godfrey, N. W., Northport. Grit, sand and gravel.	304	131. Staten Island Kaolin Company, Kreischerville. Clay.	304
96. Glens Falls Terra Cotta Company, Glens Falls. Clay, brick and terra cotta.	304	132. Stoutner, William, Gloversville. Clay.	304
97. Grimes, H. C., Amsterdam. Clay.	304	133. Terry, J. B., Southold, Long Island. Pottery clay.	304
97a. Hall, Robt. A., Whitehall. Red slate.	304	136. Van Dusen, F. M., Glasco. Clay and sand.	304
98. Hayne, P., Goshen. Clay and drain-tile.	304	137. Vernon, M. H., Florida. Clay.	304
100. Hornellsville Brick & Terra Cotta Co., Hornellsville. Brick and shale.	304	137a. W. A. U. Brick Co., Croton Landing. Tempering sand.	304
101. Jones, Dr., Cold Spring. Clay and sand.	304	138. Watertown Pressed Brick Company, Watertown. Clay.	304
102. Jones, Oliver, Jones' Point. Sand.	304	139. Watson, Robert, Madrid. Clay.	304
103. Kreischer Bros., Staten Island. Clays; sand; kaolin.	304	140. Wheeler, O. B., Middletown. Clay and pottery.	304
104. Lester, A., Owasco. Clay, drain-tile and brick.	304	143. Wraps & Peck, Carthage. Clay.	304
105. Loughbottom, George, Fresh Pond. Clay.	304	144. Wyandance Brick & Terra Cotta Co., Wyandance. Brick; clay.	304
106. Lythe & Sons, Angola. Shale.	304	<b>GROUP 47.</b>	
107. Mahan, G. W., Great Neck. Clay.	304		
109. McCabe Bros., Greenridge. Clay.	304	144a. Anthony, M. R., Union Springs. Gypsum.	313
110. McClean, Alexander, Catskill. Clay, brick and sand.	304	144b. Buffalo Cement Co. Hydraulic limestone, burned and fresh.	309
111. McCusker, M. J., Jamestown. Clay, brick and drain-tile.	304	144c. Callanan, P., Bethlehem. Crushed limestone.	309
113. Mechanicsville Brick Company, Mechanicsville. Clay.	304	145. Empire Portland Cement Co., Warner's. Portland cement, with Marland clay.	309
113a. Merritt, J. O., Portchester. Road metal.	304	146. Garbutt, J. W., Garbuttville. Gypsum.	313
114. Myers, Martin, Farmingdale. Brick, clay and sand.	304	146a. Hudson River Stone Supply Co., Cold Spring. Crushed granite and limestone.	309
115. Northport Fire Clay Company, Northport. Stoneware, clay and fire sand.	304	147. Hurd, William C., Fayetteville. Gypsum.	313
116. Newton Bros., Crescent. Clay.	304	147a. Lackawanna Salt Co., Mt. Morris. Salt.	314
116a. New York Architectural Terra Cotta Co., Great Neck. Terra cotta.	304	147b. Lawrence Cement Co., Rosendale. Limestone and cement.	309
118. Ogden Brick Company, Binghamton. Clay.	304	147d. Newark & Rosendale Cement Co., Rosendale. Cement and cement-rock.	309
119. Onondaga Vitriified Brick Company, Syracuse. Shale, clay and brick.	304	147e. New York & Rosendale Cement Co., Rosendale. Cement and limestone.	309
120. Oimet, J., Plattsburg. Clay.	304		
121. Paige Bros., Ogdensburg. Clay.	304		
122. Paury, W. W., Rome. Clay and brick.	304		

## Mineral Waters, Salts.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
147f. Tompkins Cove Stone Co., Tompkins's Cove. Crushed limestone.	309	157. Kerr Salt Company, Rock Glen. S.	
147g. Warner's Portland Cement M'fg Co., Warner's. Cement.	309	157a. Lawrence, T. W., Champion Springs. Mineral water.	
<b>GROUP 48.</b>		158. Lehigh Salt Mining Company, Roy. Salt.	
147h. Adirondack Mineral Spring Co., Whitehall. Mineral water.	321	159. Le Roy Salt Company, Le Roy. S.	
148. Atlantic Salt Company, Warsaw. Salt.	314	159a. Luther, T. C., Saratoga Springs. Mineral water.	
148a. Baldwin, Lucius, Cayuga. Mineral water.	321	159b. Lyon, H. K., White Sulphur Springs. Mineral water.	
148c. Carus, W. J., & Sons, Slaterville. Mineral water.	321	159c. McNeil, J. R., Reid's Mineral Springs. Mineral water.	
149. Clinton Metallic Paint Company, Clinton. Mineral paint.	319	159d. Miller Salt Co., Warsaw. Salt.	
149c. Deep Rock Spring Co., Oswego. Mineral water.	321	159e. Old Red Spring. Mineral water.	
150. Duncan Salt Company, Silver Springs. Salt.	314	160. Onondaga Coarse Salt Association. Syracuse. Salt.	
151. Elko Mining, Milling & Manufacturing Co. Mineral paint.	319	160a. Pavilion Salt Co., Pavilion. Salt.	
152. Empire Salt Company, Warsaw. Salt.	314	161. Pearl Creek Salt Company, Pearl Creek. Salt.	
152a. Empire Spring Co., Saratoga Springs. Mineral water.	321	162. Perry Salt Company, Perry. Salt.	
152b. Excelsior Spring Co., Saratoga Springs. Mineral water.	321	162a. Phelps, O. B., Avon Springs. Mineral water.	
152d. Foster, Henry, Clifton Springs. Mineral water.	321	162b. Price, E., Nunda. Mineral water.	
152e. Gardner, J. H., & Son, Sharon Springs. Mineral water.	321	162c. Proctor, T. R., Richfield Springs. Mineral water.	
153. Genesee Salt Company, New York. Salt.	314	163. Retsof Mining Company, Retsof. Salt.	
153a. Geyser Spring, Saratoga Springs. Mineral water.	321	164. Royal Salt Company, Mt. Royal. Salt.	
155. Hall, Robert A., Whitehall. Mineral water.	319	164a. Saratoga Artesian Lithia Water. Ballston. Mineral water.	
156. Hawley Salt Company, Warsaw. Salt.	314	164c. Shedden & Stearns, Massena. Mineral water.	
156a. Hawthorne Spring Co., Hawthorne. Mineral water.	321	164d. Star Spring Co., Saratoga Springs. Mineral water.	
156b. Hant, A. A., Verona. Mineral water.	321	164e. Vichy Spring Co. Vichy. Mineral water.	
156c. Jackson, J. A. Mineral water.	321	164f. Victor Spring. Mineral water.	
		165. Warsaw Salt Company, Warsaw. Salt.	
		166. York Salt Company, York. Salt.	
		166a. Young, W. H., Chittenango. Mineral water.	

## NORTH CAROLINA.

LOCATION—SEC. Q, 5.

Minerals, Ores, Native Metals, Gems and Crystals.

## GROUP 42.

Exhibit No.	Class'n No.
1. Alexander, C. W., Indian Trail. Gold ore.	291
2. Anderson, H., Rockford. Magnetite.	291
3. Atwood, K., Whitehead. Magnetite.	291
4. Avery, W. W., Plumtree. Titaniferous magnetite.	291
5. Bailey, Mrs., Orleans. Limonite.	291
6. Ballou, N. B., Crumpler. Magnetite.	291
7. Ballou & Gentry, Jefferson. Manganiferous iron ore.	291
8. Barringer Mining Company, Gold Hill. Gold ore.	291
9. Barringer, Mr., Newton. Magnetite.	291
10. Bates, J. G., Franklin. Red hematite.	291
11. Bates, Mr., Monroe. Gold ore.	291
12. Bessemer City Mining Company, Bessemer City. Limonite; turgite; magnetite.	291
13. Bess, Lawson, Orleans. Magnetite.	291
14. Boger, Martin, Bost's Mills. Gold ore.	291
15. Bost, A. W., Bost's Mills. Gold ore.	291
16. Bost, Charles, Mt. Pleasant. Gold ore.	291
17. Bost, Mr., Maiden Station. Magnetite.	291
18. Bowman, David, Bakersville. Oligoclase; beryl; balloysite.	291
19. Blackwelder, J., Catawba Station. Magnetite.	291
20. Blackwell, D. A., Alexander. Massive and fibrous serpentine and magnetite.	291
21. Blevins, D., Piney Creek. Magnetite.	291
22. Blocker, O. H., Old Fort. Pyrites.	291
23. Blue Wing Copper Company, Blue Wing. Bornite, gray copper.	291
24. Brewster, James B., New York, N. Y. Gold ore.	291
25. Brittain, H. S., Murphy. Limonite.	291
26. Bruner, T. K., Raleigh. Collection of gems and minerals.	291
27. Buck Creek Corundum Company, Shooting Creek. Collection of minerals.	290
28. Buckley, William F., New York. Gold ore.	291
29. Butler, Dr., Magnetic City. Limonite.	291
30. Carl, J. M., Concord. Gold and silver ore.	291
31. Carolina Sulphuric Acid Company, Long Creek. Pyrites.	291
32. Carson, S. M., Nathan's Creek. Chalcopryite.	291
33. Cates, B. S., Dry's Mills. Gold ore.	291
34. Cawson, J. H., Charlotte. Gold ore.	291
35. Coffey, T., Boone. Martite.	291
36. Concord Mining Company, Concord. Gold ore.	291
37. Conrad Hill Mining Company, Lexington. Chalcopryite.	291
38. Cooke, Mr., Lenoir. Martite.	291
39. Cooper, J. W., Murphy. Limonite.	291
40. Couder, Eli, Indian Trail. Gold ore.	291
41. Cowan, S. A., Port Chester, N. Y. Gold ore.	291
42. Cowan, S. A., Silver Hill. Silver ore.	291
43. Clayton, James E., & Co., Baltimore, Md. Gold ore.	291
44. Clegg Copper Company, Lockville. Chalcopryite; malachite.	291
45. Cranberry Iron & Coal Co., Cranberry. Magnetite ores.	291
46. Cross, J. M., Fairmont. Gold ore.	291
47. Crowell, M. E., Indian Trail. Gold ore.	291
48. Curtis, J., Patterson. Magnetite.	291
49. Davis, J. A., & Son, Port Deposit, Md. Cassiterite.	291
50. Deak Mica Mining Company, Spruce Pine. Allanite.	291
51. Deal, J. A., Franklin. Garnets, sapphires.	291
52. Deal & Stoner, Franklin. Garnet gems.	291

## Minerals, Ores, Native Metals, Gems and Crystals.

Exhibit No.	Class'n No.
54. Demming, H. C., Harrisburg, Pa. Collection of cut gems from McDowell county.	291
55. Derr, Andy, Iron Station. Magnetite.	291
56. Dixon, J. A., Weaver's Ford. Chalcopyrite.	291
57. Dougherty, D. B., Boone. Red hematite.	291
58. Duffee Mine Company, Charlotte. Gold ore.	291
59. Eames, R., Jr., Gold Hill. Gold ore.	291
60. Eames, R., Jr., Salisbury. Gold and silver ores.	291
61. Eames, R. M., Salisbury. Gold ore.	291
62. Elk Knob Mine, Elk Cross Roads. Chalcopyrite, pyrrhotite.	291
63. Eller, E., Craven. Gold ore.	291
64. English, Isaac, Spruce Pine. Beryl, biotite.	291
65. Fagg, Isaac, Danbury. Magnetite.	291
66. Farthing, J. K., Patterson. Titaniferous iron ore.	291
67. Field, A. M., Ashville. Collection of cut gems.	291
68. Finch, J. W., & Co., Lexington. Gold and silver ore.	291
69. Fitzgerald, J. J., Hot Springs. Limonite and manganese ore.	291
70. Ford, Dr., Hickory. Limonite.	291
71. Francis, R., Piney Creek. Magnetite.	291
72. Fuller, A., Jones' Mine. Gold ore.	291
73. Fuller, D. R., Jones' Mine. Gold ore.	291
74. Furr, Eva, Georgeville. Gold ore.	291
75. Furr, S., Concord. Gold ore.	291
76. Gap Creek Mine Company, Gap Creek. Barite, malachite, chalcopyrite, etc.	291
77. Garland, Charles, Bad Creek. Magnetite.	291
78. Genth, F. A., Jr., Philadelphia, Pa. Collection of minerals.	290
79. Gouge, Joel, Rock Creek. Magnetite.	291
80. Graham, W. A., Iron Station. Magnetite.	291
81. Graybeal, J., Lansing. Manganiferous iron ore.	291
82. Gwyn, James, Banner's Elk. Red hematite.	291
83. Ham, Thomas, Jefferson. Magnetite.	291
84. Hanks, Mr., Murphy. Limonite.	291
85. Harris, C. W., Cid. Gold ore.	291
86. Harris, T. C., Raleigh. Collection of minerals and ores.	291

Exhibit No.	Class'n No.
87. Harris, T. F., Thomasville. Gold ore.	291
88. Heck, J. M., Alexander. Magnetite.	291
89. Heck, J. M., Danbury. Magnetite.	291
90. Hedrick, M. L., Silver Hill. Gold ore.	291
91. Heilig Bros., Salisbury. Gold ore.	291
92. Hepler, R. T., Cid. Gold ore.	291
93. Higdon, William, Franklin. Titaniferous magnetite.	291
94. Hitchcock, Mrs., Murphy. Limonite.	291
95. Hogsed, Samuel, Elf. Zoisite and albite with corundum in crysolite.	291
96. Hoke, R. F., Raleigh. Martite.	291
97. Holmes, J. A., Raleigh. Gold, silver and iron ores, etc.	291
98. Holmes, R. J., & Co., Salisbury. Gold ore.	291
99. Honeycut, D. W., Gold Hill. Gold ore.	291
100. Hoover Hill Company, Bush Hill. Gold ore.	291
101. Houser, H. Y., Lincolnton. Manganese ore.	291
102. Hughes, Irwin, Rock Creek. Magnetite.	291
103. Huskins, John, Murphy. Manganese ore.	291
104. Isenhour, George W., Gold Hill. Gold ore.	291
105. Isenhour, H. M., Gold Hill. Gold ore.	291
106. Jones, W. O., High Point. Gold ore.	291
107. Jones, W. P., Marion. Aqua marine emeralds; smoky quartz.	291
108. Justice, John, Spear. Red hematite.	291
109. Keinath, W. M., Concord. Gold ore.	291
110. Kelly James, Mocksville. Titaniferous magnetite.	291
111. Kesler, J. W., Garfield P. O. Gold ore.	291
112. King's Mountain Mining Company, King's Mountain Station. Gold ore.	291
113. Kluttz & Peck, Dry's Mill. Copper ore.	291
114. Laurence, David, Boone. Chromite iron ore.	291
115. Ledoux, A. R., New York, N. Y. Cassiterite.	291
116. Lewis, L. L. V., Thomasville. Gold ore.	291

## Minerals, Ores, Native Metals, Gems and Crystals.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
117. Link, Mr., Iron Station.	Magnetite. 291	147. Parker, Mrs., Bakersville.	Titaniferous magnetite. 291
118. Lobbell Car Wheel Company, Lockville.	Magnetite; specular hematite. 291	148. Parker, M. S., New London.	Gold ore. 291
119. Long Creek Gold Mining Company, Long Creek.	Gold ore. 291	149. Parton, George, Burningtown.	Manganese ore and limonite. 291
120. Lucas, H. S., Cullasaja.	Emeralds; rubies; sapphires. 291	150. Peed, Martha, Stagville.	Red hematite. 291
121. Lyles, J., Indian Trail.	Gold ore. 291	151. Pennington, C., Sturgill.	Magnetite. 291
122. Mann, Charles G., Thomasville.	Gold ore. 291	152. Peters, J. F., Silver Hill.	Gold ore. 291
123. Marion Bullion and Mining Company, Harrisburg, Pa.	Collection of minerals and gems. 291	153. Plumer, J. R., & Co., Jones' Mine.	Gold ore. 291
124. Manney, E., Gold Hill.	Gold ore. 291	154. Price, J. M., Indian Trail.	Gold ore. 291
125. Manney, E. H., & Co., Gold Hill.	Gold ore. 291	154a. Primrose, W. S., Raleigh.	Collection of minerals and gems. 291
126. McAden, Mr., Murphy.	Limonite. 291	155. Pugh, J. L., Piney Creek.	Magnetite. 291
127. McCandless, N. B., Salisbury.	Gold ore. 291	156. Pugh, Lee, Piney Creek.	Magnetite. 291
128. McCarter, G., Helton.	Titaniferous iron ore. 291	157. Quigley, C., Lincolnton.	Limonite. 291
129. McClure, Mrs., Iron Station.	Magnetite. 291	158. Raker, W., Seth.	Magnetite; specular hematite. 291
130. McReeves, G., Sparta.	Manganese ore. 291	159. Ray, Garrett D., Burnsville.	Collection of minerals. 290
131. Miller, C. A., Eli.	Gold and silver ores. 291	160. Ray, Garrett L., Burnsville.	Titaniferous, magnetite and chromic iron ore. 291
132. Mills, J. C., Brindletown.	Native gold. 291	161. Reading, A. H., Cedar Falls.	Gold ore. 291
133. Molesworth & Keating, Catawba.	Gold ore. 291	162. Reimer Mining Company, Salisbury.	Gold ore. 291
134. Moody, Arthur, Bakersville.	Hyalite; foliated talc; anthophyllite. 291	163. Reynolds, J. R. & A. D., Winston.	Magnetite. 291
135. Mooney, Mr., Murphy.	Limonite. 291	164. Ritchie, Thomas, Jugtown.	Limonite. 291
136. Muffy, J. R., & Co., Philadelphia, Pa.	Gold ore. 291	165. Roan Mountain Iron & Steel Co., Magnetic City.	Magnetite; red hematite. 291
137. Nelson, Lee, Danbury.	Magnetite. 291	166. Robertson, W. A., Price's Creek.	Chromic iron ore. 291
138. Nelson, William, Danbury.	Magnetite. 291	167. Russell Mining Company, Glen Brook.	Gold ore. 291
139. New Gold Hill Company, Gold Hill.	Gold ore. 291	168. Seacrest, L. M., Indian Trail.	Gold and silver ores. 291
140. Newman, J. J., Salisbury.	Gold ore. 291	169. Sharp, Mrs., Murphy.	Limonite. 291
141. North Carolina Iron & Steel Co., Ore Hill.	Limonite. 291	170. Shepard, Mr., Hickory.	Magnetite. 291
142. North State Mining Company, Crumpler.	Magnetite. 291	171. Silver Valley Mining Company, Thomasville.	Silver ore. 291
143. Oddy, Thomas, Salisbury.	Silver ore. 291	172. Simmons, Thomas, Brown Mountain.	Magnetite. 291
144. Oliver & Springs, Charlotte.	Pyrites. 291	173. Smith, A. V. S., Charlotte.	Gold ore. 291
145. Ore Knob Copper Company, Ore Knob.	Collection of minerals. 290	174. Smith, C. D., Franklin.	Garnets, beryls, rubies, quartz. 291
146. Parker Gold Mining Company, Bilesville.	Gold ore. 291		

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174. Snow, George H., Raleigh. Agalmatolite.	291	307. Williams, Joseph, & Co., Baltimore. Gold ore.	
175. Status, A. F., Indian Trail. Gold ore.	291	308. Williams, T. J., Rockford. Gold ore.	
177. Stevenson, J. A. D., Statesville. Collection of gems and minerals.	291	309. Wright, Mr., Murphy. Limestone ore.	
178. Stewart, J., Lansing. Magnetite.	219	310. Wyatt, J., Crumpler. Red hematite.	
179. Stiles, A. J., Franklin. Red hematite.	291	311. Yandel, William, Stouts. Limestone ore.	
180. Sweet, W. A., Syracuse, N. Y. Gold ore.	291	312. Yoke, A. J., Grafton. Gold ore.	
181. Tarbell, S. H., Indian Trail. Gold ore.	291	313. Young, Julius, Micaville. Limestone ore.	
182. Thies, A., Concord. Gold ore.	291	314. Young, William, Helton. Limestone ore.	
183. Thies, C. G., Indian Trail. Gold ore.	291	315. Yountz, J. L., Indian Trail. Limestone and silver ores.	
184. The Kure Land & Mining Co., Plum. Limestone.	291	<b>GROUP 43.</b>	
185. Thores, C., Nathan's Creek. Chalcedony.	291	316. Egypt Coal Company, Egypt. Bituminous coal and coke.	
186. Tomlinson, J. M., Bush Hill. Gold ore.	291	317. Holmes, J. A., Raleigh. Bituminous and semi-anthracite coal.	
187. Tomlinson Company, Murphy. Limonite.	291	<b>GROUP 44.</b>	
188. Tomlinson, C., Concord. Gold ore.	291	318. Adams, Jesse, Hutter. Serpentine.	
189. Tomlinson, W. G., Raleigh. Pyrites.	291	319. Andrews, A. B., Asheville. Granite.	
190. Tomlinson, W. G., Murphy. Limonite.	291	320. Andrews, Alex. Andrew. Marble.	
191. Tomlinson, W. G., Salisbury. Garnets and pyrites.	291	321. Avery, Mr., Morganton. Limestone.	
192. Tomlinson, W. G., Salisbury. Gold ore.	291	322. Barefoot, George, Waverly. Limestone.	
193. Tomlinson, W. G., Franklin. Titanite.	291	323. Basinger, J. J., Salisbury. Limestone.	
194. Tomlinson, W. G., Murphy. Limonite.	291	324. Batts, W. H., Salisbury. Limestone.	
195. Tomlinson, W. G., Murphy. Chalcedony.	291	325. Bear, William, Murfreesboro. Limestone.	
196. Tomlinson, James, Stone Hill. Coal.	291	326. Belmont Springs. Limestone.	
197. Tomlinson, W. G., New York. Limestone.	291	327. Blackwell, D., Salisbury. Limestone.	
198. Tomlinson, W. G., Salisbury. Limonite.	291	328. Bowler, John, Salisbury. Limestone.	
199. Tomlinson, W. G., Salisbury. Pyrites.	291	329. Carlin, H., Salisbury. Limestone.	
200. Tomlinson, W. G., Salisbury. Limestone.	291	330. Carlin, H., Salisbury. Limestone.	
201. Tomlinson, W. G., Salisbury. Magnetite.	291	331. Carlin, H., Salisbury. Limestone.	
202. Tomlinson, W. G., Salisbury. Limestone.	291	332. Carlin, H., Salisbury. Limestone.	
203. Tomlinson, W. G., Salisbury. Limestone.	291	333. Carlin, H., Salisbury. Limestone.	
204. Tomlinson, W. G., Salisbury. Limestone.	291	334. Carlin, H., Salisbury. Limestone.	
205. Tomlinson, W. G., Salisbury. Limestone.	291	335. Carlin, H., Salisbury. Limestone.	
206. Tomlinson, W. G., Salisbury. Limestone.	291	336. Carlin, H., Salisbury. Limestone.	
207. Tomlinson, W. G., Salisbury. Limestone.	291	337. Carlin, H., Salisbury. Limestone.	
208. Tomlinson, W. G., Salisbury. Limestone.	291	338. Carlin, H., Salisbury. Limestone.	
209. Tomlinson, W. G., Salisbury. Limestone.	291	339. Carlin, H., Salisbury. Limestone.	
210. Tomlinson, W. G., Salisbury. Limestone.	291	340. Carlin, H., Salisbury. Limestone.	

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234. Fritt, Mrs., Lexington. Granite.	Biotite 296
235. Graham, A. W., Hillsboro. Granite.	Pink 296
236. Graham, T., Charlotte. Biotite-granite.	Hornblende 296
237. Greystone Granite Company, Gray.	Biotite granite. 296
238. Hairston, Frank, Salisbury. Orbicular granite.	296
239. Harper, G. W., Hickory. Biotite granite.	296
240. Hayes, Jefferson, Tomotla. White marble.	296
241. Hendricks, C., Shelby. Biotite gneiss.	296
242. Hickerson, C. N., Andrews. Steatite.	296
243. Holland & Paysour, Gastonia. Biotite granite.	296
244. Holmes, J. A., Raleigh. Biotitic-gneiss.	296
245. Hope, C. L., Garibaldi. Biotite granite.	296
246. Joy, C., Burlington. Biotite granite.	296
247. Jones, Geo. N., Newbern. Shellstone.	296
248. Kinsey, A. G., Kinsey. Marble and granite.	296
249. Kizer, A., Mooresville. Quartzite.	296
250. Ledbetter Bros., Rockingham. Porphyritic granite.	296
251. Lehan, P., Toisnot. Biotite gneiss.	296
252. Lehan, P. & Son, Greystone. Gray granite.	296
253. Lehan & Son, Wadesboro. Gray granite.	296
254. Lester, J., Barium Springs. Biotite granite.	296
255. Lee, V., Old Fort. Porphyritic granite.	296
256. Lealy, Robert, Mooresville. Motmotite.	296
257. Lewis, P. B., Concord. Pink granite.	296
258. Lairy Granite Company, Mt. Airy. Granite.	296
259. Mahala Talc & Marble Co., Marbles.	296
260. Carolina Slate Company, Albemarle. Roofing slate.	296
261. William, Sanford. Reddish granite.	296
262. Led & Hewitt, Hewitt. Marble.	296
263. Steatite.	296

Exhibit No.	Class'n No.
265. Rogers, R. I., Durham. Brown and gray sandstone.	296
266. Smith, J. S., Warrenton. Biotite granite.	296
267. Spainhour, J. M., Lenoir. Black serpentine.	296
268. Vance, R. B., Alexander. Hornblende-biotite-gneiss.	296
269. Wade, C. C., Queen. Roofing slate.	296
270. Wadesboro Brownstone Company, Wadesboro. Chocolate and gray sandstone.	296
271. Whitaker, S., Andrews. Blue gray marble.	296
272. Williams, John, Oxford. Biotite granite.	296
273. Wyatt, J. T., Salisbury. Quartzose and granite.	296
274. Young, T., Andrews. Checked gray marble.	296

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276. American Museum of Natural History, New York. Sapphire corundum.	297
277. Buck Creek Corundum Company, Shooting Creek. Corundum.	297
278. Cardon, G. B., Elf. Corundum.	297
279. Carter Corundum Company, Democrat. Corundum, albite.	297
280. Claywill, R. T., Morganton. Massive and pulverized garnet.	297
281. Deal, J. A., Franklin. Corundum crystals.	297
282. Deal & Stoner, Franklin. Corundum crystals.	297
283. Dunn, B. R., Wilmington. White quartz sand.	297
284. Genth, F. A., Jr., Philadelphia, Pa. Corundum, and its products.	297
285. Harris, T. C., Raleigh. Corundum.	297
286. Hogsed, Samuel, Elf. Corundum; corundum gravel; albite.	297
287. Holmes, J. A., Raleigh. Corundum.	297
288. Hughes, W. H. H., Webster. Bronzite and corundum.	297
289. Hyams, Chas. W., Statesville. Pink corundum.	297
290. Kestler, C. W., Statesville. Corundum crystals.	297
291. Lewis, W. C., Goldsboro. White quartz sand.	297
292. Lucas, H. S., Cullasaja. Topaz, corundum, corundum sand.	297
293. Patton, Louisa, Elf. Corundum	297

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295. Smith, C. D., Franklin. Corundum.	297
296. Stevenson, J. A. D., Statesville. Black corundum.	297
297. Stroud, W. F., Chapel Hill. Whetstone.	297
298. Wyatt, J. T., Salisbury. Millstone grit.	297

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300. Avery, W. W., Plumtree. a Mica.	305
b Asbestos.	307
301. Beall, William, Murphy. Fire clay.	304
302. Benbow, D. W. C., Greensboro. Soapstone.	305
303. Blue Ridge Mica Company, Waynesville. Muscovite mica.	305
304. Bowers Bros., Franklin. Muscovite mica and crystals.	305
305. Bowman, David, Bakersville. Halloysite.	304
306. Bryson Mine Company, Franklin. Muscovite mica.	305
307. Carolina Clay Company, Dillsboro. Kaolin.	304
308. Cloudland Mica Company, Bakersville. Albite.	305
309. Costner, R. E., Lincolnton. Halloysite.	304
310. English, Isaac, Spruce Pine. Orthoclase; albite feldspar.	304
311. Gash, Mr., Brevard. Kaolin.	304
312. Holton, A. S., High Point. Kaolin.	304
313. Hatch, W. N., Ashville. Kaolin.	304
314. Hawkins, Colin, Raleigh. Muscovite mica.	305
315. Hoke, R. F., Raleigh. Potters' clay.	304
316. Holmes, J. A., Raleigh. Graphite.	298
317. Joyner, J. S., Franklinton. Kaolin.	304
318. Kelly, Mr., Harper's Cross Roads. Kaolin.	304
319. Kinsey, A. G., Kinsey. Talc, massive and pulverized.	305
320. Leonard, Charles S., Fentress. Kaolin.	304

Exhibit No.	Class'n No.
321. Margarite Mining Company, Plumtree. Scrap mica.	304
322. Mt. Mitchell Mining Company, Knoxville. Muscovite and ground mica.	305
323. O'Neill, J. W., Clayton. Kaolin.	304
324. Penniman Bros., Asheville. Fire clay.	304
325. Ray, Garrett D., Burnsville. Mica and associated minerals.	305
326. Rickard & Hewitt, Hewitt. Talc, massive and pulverized.	305
327. Rorison, J. L., Bakersville. Muscovite mica.	305
328. Sheldon, A. H., Lincolnton. Kaolin.	304
329. Smith, C. D., Franklin. Kaolin.	304
330. Snow, George H., Raleigh. Pyrophyllite.	304
331. Sprunt, Alex., & Sons, Spout Spring. Potters' and fire clays.	304
332. Van Lindley, J., Pomona. Potter's terra cotta and fire clays.	304

## GROUP 49.

334. Cranberry Iron & Coal Co., Cranberry. Pig iron.	
335. Pasley, J. M., Crumpler. Hammer forge iron.	

## GROUP 51.

336. Clayton, James E., & Co., Baltimore. Md. Copper ore.	
337. Cross, J. M., Fairmont. Copper ore.	
338. Eames, R., Jr., Salisbury. Copper ore.	
339. Holmes, J. A., Raleigh. Native copper.	
340. Maxwell, W. D., Shiloh. Copper ore.	
341. Miller, C. A., Eli. Copper ore.	
342. Muffy, J. R., & Co., Philadelphia. Copper ore.	
343. New Gold Hill Company, Gold Hill. Copper ore.	
344. Ore Knob Copper Company, Ore Knob. Native copper.	
345. Weaver, James, Stone Hill. Native copper.	

## GROUP 52.

346. Harris, T. C., Raleigh. Tin ore.	
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## OHIO.

## LOCATION—SEC. N, 12.

## Ores, Mineral Combustibles, Building Stones, Quarry Products.

## GROUP 42.

Exhibit No.	Class'n No.
1a. Camp Morris Mine. Iron ore.	291
1b. Cherry Valley. Iron ore.	291
1c. Leetonis. Iron ore.	291
1d. Mineral Ridge. Iron ore.	291

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1f. Cambridge & Elyria Coal Co., Guernsey County. Coal.	292
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1i. Goshen Coal Co., Tuscarawas County. Coal.	292
1j. Hutson Coal Co., Palmyra. Coal.	292
1k. Minglewood Mine, Massillon. Sharon coal.	292
1l. Milton Coal Co., Jackson County. Coal.	292
1m. Mullin, James, Maplewood. Coal.	292
1. Ohio State.	
a Coal flora.	292
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2a. Pittsburgh & Wheeling Coal Co., Bridgeport. Pittsburgh coal.	292
2b. Pomeroy, Meigs & Co., Syracuse. Coal.	292
2c. Somers & Wainwright, Cleveland. Coal.	292
3. Somers & Wainwright, Sherrodsville. Upper Freeport coal.	292
3a. Star Coal Co., Jackson County. Coal.	292
3b. Syracuse Coal & Salt Co., Pomeroy. Pittsburg coal.	292
4. Turney, H. D., & Co., Columbus. Coal from Congo Mine and other veins.	292
4a. Wheeling & Lake Erie Coal Co., Bridgeport. Coal.	292

## GROUP 44.

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5a. Ayers, E. W., Zanesville. Limestone.	296
5b. Bode & Son, Portsmouth. Freestone.	296

Exhibit No.	Class'n No.
6. Bowers, W. & L., Mansfield. Red and white sandstone.	296
6a. Brown's, John, Sons, Rex. Limestone.	296
6b. Buena Visat Freestone Co., Buena Vista. Freestone.	296
7. Cedar Run Stone Co., Cedar Run. Sandstone.	296
8. Cleveland Stone Co., Cleveland. Sandstone, freestone for flagging.	296
8a. Cofield, L., Piqua. Sandstone.	296
9. Dayton Limestone Co., Dayton. Limestone.	296
10. Detroit & Hocking Valley Stone Co., Mellville. Red sandstone.	296
11. Evans, John, Marion. Rockfaced limestone.	296
12. Fish Stone Co., Columbus. Limestone and sandstone.	296
12a. Forest City Stone Co., Cleveland. Sandstone.	296
13. Freeport Stone Co., Freeport. Gray and buff sandstone.	296
14. Huffman, William, Dayton. Rockfaced limestone.	296
14a. Inskeep, J. M., Scioto County. Freestone.	296
15. Lithopolis Stone Co., Lithopolis. Sandstone.	296
15a. McCabe, Geo. N., Piqua. Limestone.	296
15b. Miller & Sons, Buena Vista. Freestone.	296
15c. Muskingum Stone Co., Zanesville. Brownstone.	296
16. Ohio State University, Columbus. Marble and lithographic stone.	296
16a. Patterstone Stone Co., Cedar Run. Gray sandstone.	296
17. Portsmouth Stone Association, Portsmouth. Sand and freestone.	296
17a. Reitz & Co., Portsmouth. Freestone.	296
17b. Reynolds Bros. Stone Co., Freeport. Sandstone.	296
18. Robert Sharp Stone Co., Sugar Grove. Sandstone.	296
18a. Rucker & Co., Greenfield. Limestone.	296

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19. Shoeffel, Charles, Sandusky. Lime-stone.	296
19a. Soldier's Home, Dayton. Limestone.	296
20. Smith, W. R. & Son, Otway. Free-stone flagging.	296
21. Statler, D. C., Piqua. Rockfaced limestone.	296
21a. Surface, H. A., Waynesville. Lime-stone.	296
21b. Waverly Stone Co., Waverly. Free-stone.	296
21c. Webber, L., Dayton. Limestone.	296
21d. Wishon, E. H., Portsmouth. Free-stone.	296

## GROUP 45.

21e. Ayers, E. M., Zanesville. Moulding sands.	297
21f. Boughton, H. C., Akron. Moulding sands.	297
21g. Cleveland Stone Co., Cleveland. Scythe stones.	297
21h. Downard, W. J., Son & Co., Zanesville. Glass and moulding sands.	297
21i. Eastman & Weldon, Milan. Fire sands.	297
21j. Evans, Wesley, Zanesville. Moulding sand.	297
21k. Kent & Warwick Sand Company, Warwick. Crushed fire sand.	297
21l. Ohio Sand & Clay Company, Columbus. Fire and moulding sand.	297
21m. Ohio Sand Company, Conneaut. Moulding sand.	297
22. Ohio, State of. Grindstones.	297
22a. Ohio Stone Company, Cleveland. Grindstones.	297
22b. Richards, John H., Zanesville. Moulding sands.	297
22c. Sandusky Sand Company, Sandusky. Moulding sands.	297

## GROUP 46.

23. Akron Brick and Tile Co., Akron. Clays and their products.	304
24. Akron Sewer Pipe Co., Akron. Clays and their products.	304
26. Akron Stoneware Co., Akron. Clays and their products.	304
27. Akron Vitrified Pressed Brick Co., Akron. Ornamental and pressed brick, clays and their products.	304
30. American Encaustic Tiling Co., Zanesville. Floor tile, clays and their products.	304
31. American Marble & Toy M'fg Co., Akron. Clays and their products.	304

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32. Athens Brick Co., Athens. Clays and their products.	304
33. Baggott, S. & W., East Liverpool. Clays and their products.	304
35. Beatty Fire Clay Co., Magnolia. Clays and their products.	304
36. Begley & Roberts, Zanesville. Clays and their products.	304
38. Buckeye Brick Co., Wellsville. Clays and their products.	304
39. Buckeye Sewer Pipe Co., Akron. Clays and their products.	304
42. Calumet Fire Clay Co., Elliottsville. Clays and their products.	304
43. Camps & Thompson, Cuyahoga Falls. Clays and their products.	304
44. Canton Brick Co., Canton. Clays and their products.	304
45. Canton Stoneware Co., Canton. Clays and their products.	304
46. Canton & Osnaburg Brick & Tile Co., Canton. Clays and their products.	304
49. Canton & Malvern, F. B. P. Co., Malvern. Clays and their products.	304
50. Central Pressed Brick Co., North Baltimore. Clays and their products.	304
51. Champion Stoneware Co., Canton. Clays and their products.	304
55. Columbus Brick & Terra Cotta Co., Columbus. Ornamental and pressed brick, clays and their products.	304
58. Cooper Brick & Tile Co., Akron. Clays and their products.	304
59. Crooksville Stoneware Co., Crooksville. Clays and their products.	304
60. Crown Fire Clay Co., Dover. Clays and their products.	304
64. Diamond Pottery Co., Akron. Clays and their products.	304
65. Diamond Stoneware Co., Crooksville. Clays and their products.	304
65a. Diebold Firebrick Co., Canton. Clays and their products.	304
67. Dover Fire Brick Co., Dover. Clays and their products.	304
68. East Liverpool Door Knob Co., East Liverpool. Clays and their products.	304
71. Empire Fire Clay Co., Empire. Clays and their products.	304
73. Ewart, J. C., & Co., Akron. Tile roofing, clays and their products.	304
73a. Ewart Tile Co., Akron. Clays and their products.	304
74. Findlay Hydraulic Pressed Brick Co., Findlay. Clays and their products.	304
75. Fish Pressed Brick Co., Columbus. Clays and their products.	304
76. Francis, John, Sons & Co., Toronto. Clays and their products.	304

## Clays and their Products, Limestone, Cements, Etc.

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79. Globe Pottery Co., East Liverpool. Clays and their products.	304
81. Hallaway Paving Brick Co., North Industry. Clays and their products.	304
82. Hamilton Tile Co., Hamilton. Fancy tile.	304
84. Harris, W. B. & Bro., Zanesville. Ornamental and pressed brick, clays and their products.	304
85. Haydenville Mining & M'fg Co., Haydenville. Clays and their products.	304
86. Hill Sewer Pipe Co., Akron. Clays and their products.	304
87. Holden, C. E., Mineral Point. Clays and their products.	304
88. Imperial Shale Brick Co., Canton. Clays and their products.	304
89. Ironton Fire Brick Co., Ironton. Clays and their products.	304
90a. Jefferson Fireclay Co., Toronto. Clays and their products.	304
90. Jefferson Sewer Pipe Co., Toronto. Clays and their products.	304
91. Jones, A. O. & Co., Zanesville. Paving brick, clays and their products.	304
91a. Lowry, Lyman, Roseville. Clays and their products.	304
93. Kildow, L. S., Roseville. Clays and their products.	304
95. Logan Fire Clay Co., Logan. Clays and their products.	304
96. Logan Granite Clay Co., Logan. Clays and their products.	304
97. Lowery, W. D., Roseville. Clays and their products.	304
99. Markel, Inman & Co., Akron. Clays and their products.	304
101. Massillon Stoneware Co., Massillon. Clays and their products.	304
102. Massillon Stone & Fire Brick Co., Massillon. Clays and their products.	304
106. Merrill, E. H., Pottery Co., Akron. Clays and their products.	304
108. Midland Pottery Co., Roseville. Clays and their products.	304
110. Muskingum Stoneware Co., Zanesville. Clays and their products.	304
111. National Sewer Pipe Co., Barbarton. Clays and their products.	304
112. Neff, Peter, Cleveland. Diamond black.	298
113. Nelsonville Sewer Pipe Co., Nelsonville. Clays and their products.	304
116. Oakland Pressed Brick Co., Zanesville. Clays and their products.	304
119. Ohio Paving Brick Co., Columbus. Brick, clays and their products.	304
121. Ohio Stoneware Co., Akron. Clays and their products.	4

Exhibit No.	Class'n No.
123. Owens, T. B., Pottery Co., Zanesville. Clays and their products.	304
126. Robinson Bros. & Co., Akron. Clays and their products.	304
127. Rooly Clay M'fg Co., Midvale. Clays and their products.	304
127a. Roseville Brick & Terra Cotta Co., Roseville. Clays and their products.	304
128. Roseville Pottery Co., Roseville. Clays and their products.	304
129. Royal Brick Co., Canton. Paving brick, clays and their products.	304
131. Salem Garfield Mining & M'fg Co., Garfield. Clays and their products.	304
132. Scioto Fire Brick Co., Sciotoville. Clays and their products.	304
134. Shale Brick Exchange, Canton. Clays and their products.	304
138. Standard Paving Brick Co., North Industry. Clays and their products.	304
141. Star Stoneware Co., Crookville. Clays and their products.	304
141a. State Brick Exchange, Canton. Clays and their products.	304
142a. Stein, L. D., Roseville. Clays and their products.	304
142b. Steubenville Pottery Co., Steubenville. Clays and their products.	304
143. Summit Sewer Pipe Co., Akron. Clays and their products.	304
144. Toronto Pottery Co., Toronto. Clays and their products.	304
145. Townsend, F. B. & Co., Zanesville. Clays and their products.	304
149. United States Stoneware Co., Akron. Clays and their products.	304
153. Waynesburg Brick and Clay Co., Waynesburg. Clays and their products.	304
154. Weller, S. A., Zanesville. Clays and their products.	304
155. Whitmore, Robinson & Co., Akron. Clays and their products.	304
158. Zanesville Clay M'fg Co., Zanesville. Clays and their products.	304
159. Zanesville Stoneware Co., Zanesville. Clays and their products.	304

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159a. Arrowflake Lime Co., Bowling Green. Limestone and lime.	309
160. Braden, J. S., Fostoria. Limestone and lime.	309
161. Brown's, John, Sons, New Carlisle. Limestone and lime.	309
161a. Brown's, John, Sons, Rex. Limestone and lime, marble dust and marble flour.	309

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162. Cofield, L., & Co, Piqua. Limestone and lime.	309
162a. Cofield, W. O., Piqua. Limestone and lime.	309
162b. Cofield, L., & Sons, Kirkwood. Limestone and lime.	309
162c. Crown Cement Co., Bellaire. Cements.	309
164. Dwyer, James, New Paris. Limestone and lime.	309
165. Evans, John, Marion. Limestone and lime.	309
165a. Gard, J., Greenville. Limestone and lime.	309
166. Gottman, Jobe, Fremont. Limestone and lime.	309
166a. Gottron Bros., Fremont. Limestone and lime.	309
167. Hall, C. B., Findlay. Limestone and lime.	309
167a. Hall, C. H., Findlay. Limestone and lime.	309
168. Henman & Co., Limestone. Limestone and lime.	309
168a. Herman, M., Rocky Ridge. Limestone and lime.	309
169. Hershey, John B., & Co. Gettysburg. Limestone and lime.	309
169a. Irwin & Co., Yellow Springs. Limestone and lime.	309
169b. Irwin, D. S., Cedarville. Limestone and lime.	309
170. Kelly's Island Lime & Transportation Co., Kelly's Island. Limestone and lime.	309
171. Kinghem & Smith, Rocky Ridge. Limestone and lime.	309
172. Lloyd Dwight, P., Fostoria. Limestone and lime.	309
173. Lyman, Gregg & Co., Genoa. Limestone and lime.	309
174. Marsh & Co., Sandusky. Gypsum, plaster, etc.	313
174a. Marsh, W. M., Marblehead. a Gypsum and sand plaster. b Limestone and lime.	313 309
175. Moore's Lime Co., Springfield. Limestone and lime.	309
176. Newman, A. L., Geneva. Limestone and lime.	309
177. Norris & Christian, Marion. Limestone and lime.	309
177a. Ohio Cement Co., New Lisbon. Cements.	309
177b. Pettigrew & Co., Springfield. Limestone and lime.	309

Exhibit No.	Class'n No.
177c. Pike County, Sunfish Valley. Limestone and lime.	309
178. Ricker & Co., Greenfield. Limestone and lime.	309
178a. Rhule, Joseph, Covington. Limestone and lime.	309
178b. Rucker Stone Co., Hillsboro. Limestone and lime.	309
178c. Sandusky Portland Cement Co., Martin's Point. Portland cement.	309
178d. Smith, W. B., Carey. Limestone and lime.	309
179. Snow Flake Lime Co., Bowling Green. Limestone and lime.	309
179a. Still, Price & Co., Columbus. Limestone and lime.	309
180. Stitt, Price & Co., Columbus. Limestone and lime.	309
180a. Wilson, Bartholemew, Dayton. Limestone and lime.	309

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183. United Salt Co., Cleveland. Salt and process of salt making.	314
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## GROUP 49.

183a. Andrews' Bros. Co., Youngstown. Pig iron.	324
183b. Andrews & Hitchcock Iron Co., Youngstown. Pig iron.	324
183c. Briar Hill Iron & Coal Co., Youngstown. Pig iron.	324
183d. Brown-Bonnell Iron Co., Youngstown. Refined iron.	324
183e. Camp Morris Mine, Post Boy. Black band iron ore.	324
183f. Cherry Valley Iron Works, Letonia. Kidney ore and pig iron.	324
183g. Columbus & Hocking Valley Coal & Iron Co., Straitsville. Pig iron.	324
183h. McKeefrey & Co., Letonia. Pig iron.	324
184. Ohio, State of. Iron and its products.	324
185. Riverside Iron Works, Steubenville. Bessemer pig iron.	324
186. Star Furnace Co., Jackson. Pig iron.	324
187. Youngstown Steel Co., Youngstown. Pig iron and washed metal.	324

## GROUP 67.

188. Ohio, State of. Well, showing process of purifying oil in Lima oil fields.	
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## OREGON.

## LOCATION.—SEC. Q, 8.

## Minerals, Ores, Native Metals, Gems and Crystals.

## GROUP 42.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Albany Mining & Milling Co., Black Butte Dist. Gold ore, free gold.	291	24. Borage & Pomeroy, Gold Hill Dist. Magnetic iron ore.	291
2. Allen & Brown, Olive Creek Dist. Free gold.	291	25. Burnes, I. W., and others, Davenport Dist. Free milling gold.	291
3. Anderson & Hochett, Davenport Dist. Gold ore.	291	26. Cabell, J. B., Granite Dist. Silver sulphurets.	291
4. Anderson & McCall, Davenport Dist. Placer gold, cinnabar.	291	27. Cable Bros., Cracker Creek Dist. Gold and silver ores.	291
5. Angell, Elmer, Virtue and White Swan Dists. Free gold.	291	28. Canal Fork & Silver Mining Co., Black Butte Dist. Gold ore.	291
6. Annie Consolidated Mining Co., Bohemia Dist. Gold ore.	291	29. Carry, John, et al, Sparta & Cornucopia Mines. Gold and silver ore.	291
7. Arble, Wm. P., Sparta & Cornucopia Dists. Free gold.	291	30. Carter, H. B., et al, Davenport Dist. Gold and silver ores.	291
8. Ank & House, Foots' Creek Dist. Gold ore.	291	31. Cascade Mining & Milling Co., Bald Mountain Dist. Gold and silver ores.	291
9. Bailey Bros., Missouri Flat Dist. Gold ore.	291	32. Chloride Mining & Milling Co., Rock Creek Dist. Antimonial, silver and gold sulphurets.	291
10. Bailey, John R., Williams Creek Dist. Gold ore.	291	33. Chrisman, W. S., Bohemia Dist. Gold ore.	291
11. Baisley Elkhorn Mining Co., Elkhorn Dist. Gold ore, free gold.	291	34. Clark, W. J., Williams Creek Dist. Gold ore.	291
12. Baisley, J. L., Fort Sumter Dist. Free milling gold.	291	35. Clough, E. E., et al, Sparta and Cornucopia Dists. Free gold and silver, placer gold.	291
13. Baker City National Bank, Sparta & Cornucopia Dists. Free gold and silver.	291	36. Cochran, Daniel, Virtue and White Swan Dists. Free gold.	291
14. Barton & Campbell, Louise Creek Dist. Gold ore.	291	37. Congress Mining Co., Foots Creek Dist. Gold ores.	291
15. Beckman & Huffer, Jacksonville Dist. Gold and silver ore.	291	38. Conner Creek Mining & Milling Co., Gold Hill Dist. Gold and silver ores, free gold.	291
16. Birdrey, Jas. G., Gold Hill Dist. Placer gold.	291	39. Cook & Orem, Gall's Creek Dist. Gold ore.	291
17. Boyer Placer Cons. Mining Co., Sparta & Cornucopia Dists. Placer gold.	291	40. Cox, James H., Virtue and White Swan Dists. Free gold.	291
18. Bradley, C. F., Mining Co., Sangre Dist. Gold ore, concentrates, free gold, sugar quartz.	291	41. Cracker Creek Gold Mining Co., Ltd., Cracker Creek Dist. Gold ore.	291
19. Brookhart, Dr. H. P., Bohemia Dist. Gold ore.	291	42. Crawford, Willard & Co., Main Applegate Dist. Free milling gold.	291
20. Browning, L. N. & D. L., Foots Creek Dist. Gold ore, placer gold.	291	43. Davis, A., Metal, Bohemia Dist. Free gold ore.	291
21. Brumbaugh, Joseph, Gold Hill Dist. Gold ore.	291	44. DeBar & Low, Main Applegate Dist. Gold quartz.	291
22. Bruner, Winethorn, Shasta Dist. Free gold.	291	45. Dewar & Lynch, Cracker Creek Dist. Gold ore.	291
23. Buffalo Mining Co., Granite Dist. Gold and silver ores.	291	46. Dodd, Stephen, et al, Coyote Dist. Gold ore.	291

## Minerals, Ores, Native Metals, Gems and Crystals.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
47. Down & Bell, Coyote Dist. gold.	Placer 291	75. High, D. et al, Davenport Dist. ore.	Gold 291
48. Duffield, S. H., Foots Creek Dist. Gold ore.	291	76. High & Sutton, Davenport Dist. Gold ore.	291
49. Dysart, Joseph, Foots Creek Dist. Free milling and placer gold.	291	77. Hinckley, C. F., Hinckley Dist. ore.	Gold 291
50. East Oregon Gold Mining Co., Sparta and Cornucopia Dists. Free gold and silver.	291	78. Hinckley J. H. M. J., Hinckley Dist. Free milling gold.	291
51. Elkhorn Bonanza Gold and Silver Mining Co., Elkhorn Dist. Gold and silver ores.	291	79. Hines, Mrs. P., Main Applegate Dist. Placer gold and gravel.	291
52. Eagle Mining Co., Cracker Creek Dist. Gold and silver ores.	291	80. Hoffman, Tom, & Co., Sparta & Cornucopia Dists. Gold and silver ores.	291
53. Eagle Mining Co., Winchester. Gold ore.	291	81. Holyoke & Anderson, Williams Creek Dist. Gold ore.	291
54. Elkhorn Mining Co., Elkhorn Dist. Gold ore.	291	82. Hooper & Scott, Gold Hill Dist. Gold and silver ores.	291
55. Evans & Laidy, Virtue and White Swan Dists. Free gold.	291	83. Ingram, Baker, et al, Main Applegate Dist. Placer gold.	291
56. Evans & Marfett, Shasta Dist. Free gold.	291	84. Ingram & Baker, Main Applegate Dist. Placer gold.	291
57. Eureka and Excelsior Gold Mining Co., Cracker Creek Dist. Gold ore.	291	85. International Nickel Mining Co., Excelsior Dist. Nickel and magnesia silicate.	291
58. Ezzett & Smith, Williams Creek Dist. Gold ore.	291	86. Irwin, Mrs. S. S., Blackwell Dist. Gold ore.	291
59. Fitch, Cardwell & Crawford, Main Applegate Dist. Gold ore.	291	87. Jacksonville Mill & Mining Co., Jacksonville Dist. Gold and silver ores.	291
60. Flannigan, W. A., Williams Creek Dist. Gold ore.	291	88. Jacobs, Ganiard, and others, Grant's Pass Dist. Free milling gold.	291
61. Forshey, J. M., Sparta and Cornucopia Dists. Gold and silver ores.	291	89. Jennison, J. A., Grant's Pass Dist. Gold ore.	291
62. Garfield Iron & Lead Co., Gold Hill Dist. Magnetic iron ore.	291	90. Jewett, T. D., & Co., Grant's Pass Dist. Gold ore.	291
63. Garner, M., Rock Creek Dist. Gold ore.	291	91. Judson, J. P. & Co., Coyote Dist. Gold ore.	291
64. Glisan, F. F., Cracker Creek Dist. Free milling gold.	291	92. Karllyle, Samuel and others, Davenport Dist. Gold ore.	291
65. Glisan & McCoomas, Cracker Creek Dist. Free gold and silver.	291	93. Kearns, G. W., Wolf Creek Dist. Placer gold.	291
66. Gliser, Al., Bonanza Dist. Free milling gold.	291	94. Keenan, S. M. & Co., Sparta & Cornucopia Dists. Free gold.	291
67. Gorman, Thomas, Virtue and White Swan Dists. Free gold.	291	95. Kelly, Penumbra, Davenport Dist. Gold ore.	291
68. Grage & Hinkle, Main Applegate Dist. Placer gold and gravel.	291	96. Klopp, Ike, Granite Dist. Gold and silver ores.	291
69. Granite & Greenhorn Cons. Mining Co., Granite Dist. Silver ore, antimonial and ruby silver.	291	97. Klopp & McLeland, Granite Dist. Gold and silver ores.	291
70. Grant Silver Mining Co., Olive Creek Dist. Silver ore.	291	98. Kimball, Ray, and others, Black Butte Dist. Cinnabar.	291
71. Hardin & Brown, Main Applegate Dist. Free Milling gold.	291	99. Kinsay, Shay & Gray, Cracker Creek Dist. Gold ore, free gold.	291
72. Hartly & Biglow, Williams Creek Dist. Gold ore.	291	100. Lack, F. S., et al, Virtue and White Swan Districts. Free gold.	291
73. Hatch, A. G., Jacksonville Dist. Gold ore.	291	101. Lackner & Huwaldt, Virtue and White Swan Districts. Free gold.	291
74. Henery, John, Williams Creek Dist. Gold ore.	291	102. Lawrence, Thomas, Blackwell Dist. Gold ore.	291
		103. Lee & Ellis, Hinkley Dist. ore.	291

## Minerals, Ores, Native Metals, Gems and Crystals.

Exhibit No.	Class'n No.
102a. Leo & Finley, Bonanza District.	
Free gold.	291
104. Levens & Giroux, Granite District.	
Gold and silver ores.	291
106. Lewis, Jay Guy, Sparta and Cornucopia Dists.	
Gold ore, miscellaneous ores.	291
107. Lewis, M. B., Sparta and Cornucopia Dists.	
Gold and silver ores.	291
108. Lewis & Co., Sparta and Cornucopia Dists.	
Free gold.	291
109. Loomas, E. F. & W. R., Davenport Dist.	
Gold and silver ores.	291
110. Loomas & Shepherd, Davenport Dist.	
Gold and silver ores.	291
111. Lucky Bart Mining Co., Coyote Dist.	
Gold ore.	291
112. Mantelli & Campbell, Columbia County.	
Limonite.	291
113. Mardon, D. B., Main Applegate Dist.	
Placer gold.	291
114. Marksberry & Whitney, Gold Hill Dist.	
Free milling gold ore.	291
115. Maxwell Consolidated Mining Co., Rock Creek Dist.	
Gold ore, free gold.	291
116. McCallister Lewis, Grant's Pass Dist.	
Gold ore.	291
117. McCarty D., et al, Davenport Dist.	
Gold ore.	291
118. McClure, W. S., Blackwell Dist.	
Gold ore.	291
119. McDougall, James A., Main Applegate Dist.	
Placer gold.	291
120. McGee, Frank, & Co., East Eagle Dist.	
Gold ore.	291
121. McMahn, John, Davenport Dist.	
Gold ore.	291
122. Messinger, S., Williams Creek Dist.	
Gold ore.	291
123. Messinger, W. & H., et al, Davenport Dist.	
Gold and silver ores.	291
124. Messinger & Mitchell, Davenport Dist.	
Gold and silver ores.	291
125. Miller, John, Jacksonville Dist.	
Placer gold.	291
126. Miller, L. E., et al, Coyote Dist.	
Gold ore.	291
127. Mitchell M., Granite Dist.	
Gold ore.	291
128. Moore & Seeley Bros. Lucky Queen Dist.	
Gold ore.	291
129. Mumpower & Pearson, Bohemia Dist.	
Gold ore.	291
130. Nash, I. T. C., Cow Creek Dist.	
Placer gold.	291
131. Nelson, Hubert, et al, Blackwell Dist.	
Free milling gold.	291

Exhibit No.	Class'n No.
132. Ore Dell Mining & Milling Co., Sparta and Cornucopia Dists.	
Free gold.	291
133. Oregon Gold Mining Co., Sparta and Cornucopia Dists.	
Gold ore.	291
134. Ottenheimer, S., Rock Creek Dist.	
Gold ore.	291
135. Owings, P. H., Jacksonville Dist.	
Placer gold.	291
136. Palmer, Samuel, Sparta and Cornucopia Dists.	
Gold and silver with galena.	291
137. Payne, E., et al, Columbia County.	
Limonite.	291
138. Pennington, J. L., et al, Wagner Creek Dist.	
Gold and silver ore.	291
139. Portland, Company, The, Sparta and Cornucopia Dists.	
Gold ore.	291
140. Portland Company, Virtue and White Swan Dists.	
Free gold.	291
141. Rathburn, S. V. R., Bohemia Dist.	
Silver and galena.	291
142. Reed, C. D., Sturgill Bar Dist.	
Placer gold.	291
143. Reynolds & Co., Meadows Dist.	
Silver ore.	291
144. Roach & Rogers, Davenport Dist.	
Free milling gold.	291
145. Roper, F., Davenport Dist.	
Gold ore.	291
146. Rowland, A. S., Waldo Dist.	
Titanium.	291
147. Ruble, W. & R., Coyote Dist.	
Placer gold.	291
148. Saw Mill Gulch Consolidated Mining Co., Sparta and Cornucopia Dists.	
Placer gold.	291
149. Schnarr & Halin, Granite Dist.	
Gold and silver ores.	291
150. Schuffelin Bros., Foots Creek Dist.	
Gold ore.	291
151. Schump, George, Main Applegate Dist.	
Gold ore.	291
152. Shelton, Mr., Gold Hill Dist.	
Gold ore.	291
153. Simmons & Cameron, Waldo Dist.	
Placer gold, platina.	291
154. Sluder & Snelson, Wolf Creek Dist.	
Free milling gold.	291
155. Smith, Edward, & Bros., Coyote Dist.	
Placer gold.	291
156. Star Mining & Reduction Co., Foots Creek Dist.	
Gold and silver ores with galena.	291
157. Stevenson, George, et al, Davenport Dist.	
Gold and silver ores.	291
158. Strong & Kelly, Waldo Dist.	
Silver and gold ores.	291

## Minerals, Ores, Mineral Combustibles, Building Stones, Quarry Products.

Exhibit No.	Class'n No.
175. Snow, George H., Raleigh. Agalmatolite.	291
176. Starns, A. F., Indian Trail. Gold ore.	291
177. Stevenson, J. A. D., Statesville. Collection of gems and minerals.	291
178. Stewart, J., Lansing. Magnetite.	219
179. Stiles, A. J., Franklin. Red hematite.	291
180. Sweet, W. A., Syracuse, N. Y. Gold ore.	291
181. Tarbell, S. H., Indian Trail. Gold ore.	291
182. Thies, A., Concord. Gold ore.	291
183. Thing, C. G., Indian Trail. Gold ore.	291
184. Toe River Land & Mining Co., Plumtree. Magnetite.	291
185. Tolliver, C., Nathan's Creek. Chalcopyrite.	291
186. Tomlinson, J. M., Bush Hill. Gold ore.	291
187. Tomotia Company, Murphy. Limonite.	291
188. Tucker, E., Concord. Gold ore.	291
189. Upchurch, W. G., Raleigh. Pyrites.	291
190. Valley River Company, Murphy. Limonite.	291
191. Viele, C. G., Salisbury. Garnets and beryls.	291
192. Wade, C. C., Queen. Gold ore.	291
193. Waldroop, Alex., Franklin. Titaniferous magnetite.	291
194. Washburn, Dr., Murphy. Limonite.	291
195. Weaver, Baker, Jefferson. Chalcopyrite.	291
196. Weaver, James, Stone Hill. Collection of minerals.	290
197. Weed, J. W., & Co., New York, N. Y. Gold ore.	291
198. Wells, F. M., Hot Springs. Limonite.	291
199. Whitehead, J. W., Banner's Elk. Red hematite.	291
200. Widenhouse Mining Company, Georgeville. Gold ore.	291
201. Wilcox, J. O., Dresden. Magnetite.	291
202. Wilson, P. M., Winston. Collection of minerals.	290
203. Wild, Mr., Webster. Genthite.	291
204. Wilkes, John, Charlotte. Gold ore.	291
205. Williams, A. J., Indian Trail. Gold ore.	291
206. Williams, John, Maiden Station. Magnetite.	291

Exhibit No.	Class'n No.
207. Williams, Joseph, & Co., Baltimore. Md. Gold ore.	291
208. Williams, T. J., Rockford. Magnetite.	291
209. Wright, Mr., Murphy. Limonite.	291
210. Wyatt, J., Crumpler. Red hematite.	291
211. Yandel, William, Stouts. Gold ore.	291
212. Yoke, A. J., Grafton. Gold ore.	291
213. Young, Julius, Micaville. Kyansite.	291
214. Young, William, Helton. Titaniferous iron ore.	291
215. Yountz, J. L., Indian Trail. Gold and silver ores.	291

## GROUP 43.

216. Egypt Coal Company, Egypt. Semibituminous coal and coke.	296
217. Holmes, J. A., Raleigh. Bituminous and semi-anthracite coal.	296

## GROUP 44.

218. Adams, Jesse, Hutchinson's Store. Serpentine.	296
219. Andrews, A. B., Asheville. Biotite granite.	296
220. Andrews, Alex., Andrews. Blue-gray marble.	296
221. Avery, Mr., Morganton. Hornblende gneiss.	296
222. Barefoot, George, Wilson. Porphyritic granite.	296
223. Basinger, J. J., Salisbury. Pink gray granite.	296
224. Battle, W. H., Lilesville. Biotite and porphyritic granite.	296
225. Beal, William, Murphy. Crystalline marble and lime zoisite.	296
226. Belmont Springs Company, Charlotte. Quartz-porphry.	296
227. Blackwell, D. A., Alexander. Serpentine.	296
228. Boyden, John, Salisbury. Gray and pink granite.	296
229. Carolina Brownstone Company, Sanford. Brown sandstone.	296
230. Cooke, Chas. M., Louisburg. Biotite granite.	296
231. Duke, B. L., Durham. Brown sandstone.	296
232. Durham & Elliott, Charlotte. Granites; porphyry; gneiss; sandstones.	296
233. Egypt Coal Company, Egypt. Reddish brown sandstone.	296
234. Fleming, J. M., Rolesville. Biotite granite.	296
235. French Bros., Rocky Point. Cellular limestone.	296

## Building Stones, Quarry Products, Polishing Substances.

Exhibit No.	Class'n No.
261. Fritt, Mrs., Lexington. Biotite granite.	296
262. Graham, A. W., Hillsboro. Pink granite.	296
263. Graham, T., Charlotte. Hornblende, biotite-granite.	296
264. Greystone Granite Company, Grey-stone. Biotite granite.	296
265. Hairston, Frank, Salisbury. Orbicular granite.	296
266. Harper, G. W., Hickory. Biotite gneiss.	296
267. Hayes, Jefferson, Tomotla. White marble.	296
268. Hendricks, C., Shelby. Biotite gneiss.	296
269. Hickerson, C. N., Andrews. Steatite.	296
270. Holland & Paysour, Gastonia. Biotite granite.	296
271. Holmes, J. A., Raleigh. Biotitic-granitic-gneiss.	296
272. Hope, C. L., Garibaldi. Biotite granite.	296
273. Isley, C., Burlington. Biotite granite.	296
274. Ives, Geo. N., Newbern. Shell-limestone.	296
275. Kinsey, A. G., Kinsey. Marble and steatite.	296
276. Leazer, A., Mooresville. Quartzite gneiss.	296
277. Ledbetter Bros., Rockingham. Porphyritic granite.	296
278. Linehan, P., Toisnot. Biotite gneiss.	296
279. Linehan, P. & Son, Greystone. Gray sandstone.	296
280. Linehan & Son, Wadesboro. Gray sandstone.	296
281. Linster, J., Barium Springs. Biotite gneiss.	296
282. McBee, V., Old Fort. Porphyritic gneiss.	296
283. McNealy, Robert, Mooresville. Mottled gneiss.	296
284. Means, P. B., Concord. Pink gray granite.	296
285. Mt. Airy Granite Company, Mt Airy. Biotite granite.	296
286. Nantahala Talc & Marble Co., Hewitt. Marbles.	296
287. North Carolina Slate Company, Albemarle. Roofing slate.	296
288. Rackle, William, Sanford. Reddish brown sandstone.	296
289. Rickard & Hewitt, Hewitt. Marbles and steatite.	296

Exhibit No.	Class'n No.
265. Rogers, R. I., Durham. Brown and gray sandstone.	296
266. Smith, J. S., Warrenton. Biotite granite.	296
267. Spainhour, J. M., Lenoir. Black serpentine.	296
268. Vance, R. B., Alexander. Hornblende-biotite-gneiss.	296
269. Wade, C. C., Queen. Roofing slate.	296
270. Wadesboro Brownstone Company, Wadesboro. Chocolate and gray sandstone.	296
271. Whitaker, S., Andrews. Blue gray marble.	296
272. Williams, John, Oxford. Biotite granite.	296
273. Wyatt, J. T., Salisbury. Quartzose and granite.	296
274. Young, T., Andrews. Checked gray marble.	296

## GROUP 45.

275. Adams, W. J., Carthage. Millstone grit.	297
276. American Museum of Natural History, New York. Sapphire corundum.	297
277. Buck Creek Corundum Company, Shooting Creek. Corundum.	297
278. Cardon, G. B., Elf. Corundum.	297
279. Carter Corundum Company, Democrat. Corundum, albite.	297
280. Claywill, R. T., Morganton. Massive and pulverized garnet.	297
281. Deal, J. A., Franklin. Corundum crystals.	297
282. Deal & Stoner, Franklin. Corundum crystals.	297
283. Dunn, B. R., Wilmington. White quartz sand.	297
284. Genth, F. A., Jr., Philadelphia, Pa. Corundum, and its products.	297
285. Harris, T. C., Raleigh. Corundum.	297
286. Hogsed, Samuel, Elf. Corundum; corundum gravel; albite.	297
287. Holmes, J. A., Raleigh. Corundum.	297
288. Hughes, W. H. H., Webster. Bronzite and corundum.	297
289. Hyams, Chas. W., Statesville. Pink corundum.	297
290. Kestler, C. W., Statesville. Corundum crystals.	297
291. Lewis, W. C., Goldsboro. White quartz sand.	297
292. Lucas, H. S., Cullasaja. Topaz, corundum, corundum sand.	297
293. Patton, Louisa, Elf. Corundum.	297

## Polishing Substances, Graphite, Clays and Their Products, Iron, Copper, Tin.

Exhibit No.	Class No.
294. Sapphire Valley Mining Company, Jackson County. Corundum and its use.	297
295. Smith, C. D., Franklin. Corundum.	297
296. Stevenson, J. A. D., Statesville. Black corundum.	297
297. Stroud, W. F., Chapel Hill. Whetstone.	297
298. Wyatt, J. T., Salisbury. Millstone grit.	297

## GROUP 46.

299. Adams, Shepards, Polkton. Kaolin.	304
300. Avery, W. W., Plumtree. a Mica.	305
b Asbestos.	307
301. Beall, William, Murphy. Fire clay.	304
302. Benbow, D. W. C., Greensboro. Soapstone.	305
303. Blue Ridge Mica Company, Waynesville. Muscovite mica.	305
304. Bowers Bros., Franklin. Muscovite mica and crystals.	305
305. Bowman, David, Bakersville. Halloysite.	304
306. Bryson Mine Company, Franklin. Muscovite mica.	305
307. Carolina Clay Company, Dillsboro. Kaolin.	304
308. Cloudland Mica Company, Bakersville. Albite.	305
309. Costner, R. E., Lincolnton. Halloysite.	304
310. English, Isaac, Spruce Pine. Orthoclase; albite feldspar.	304
311. Gash, Mr., Brevard. Kaolin.	304
312. Holton, A. S., High Point. Kaolin.	304
313. Hatch, W. N., Ashville. Kaolin.	304
314. Hawkins, Colin, Raleigh. Muscovite mica.	305
315. Hoke, R. F., Raleigh. Potters' clay.	304
316. Holmes, J. A., Raleigh. Graphite.	298
317. Joyner, J. S., Franklinton. Kaolin.	304
318. Kelly, Mr., Harper's Cross Roads. Kaolin.	304
319. Kinsey, A. G., Kinsey. Talc, massive and pulverized.	305
320. Leonard, Charles S., Fentress. Kaolin.	304

Exhibit No.	Class No.
321. Margarite Mining Company, Plumtree. Scrap mica.	305
322. Mt. Mitchell Mining Company, Knoxville. Muscovite and ground mica.	305
323. O'Neill, J. W., Clayton. Kaolin.	304
324. Penniman Bros., Asheville. Fire clay.	304
325. Ray, Garrett D., Burnsville. Mica and associated minerals.	305
326. Rickard & Hewitt, Hewitt. Talc massive and pulverized.	305
327. Rorison, J. L., Bakersville. Muscovite mica.	305
328. Sheldon, A. H., Lincolnton. Kaolin.	304
329. Smith, C. D., Franklin. Kaolin.	304
330. Snow, George H., Raleigh. Pyrophillite.	305
331. Sprunt, Alex., & Sons, Spout Springs. Potters' and fire clays.	304
332. Van Lindley, J., Pomona. Potters' terra cotta and fire clays.	304

## GROUP 49.

334. Cranberry Iron & Coal Co., Cranberry. Pig iron.	324
335. Pasley, J. M., Crumpler. Hammered forge iron.	334

## GROUP 51.

336. Clayton, James E., & Co., Baltimore. Md. Copper ore.	344
337. Cross, J. M., Fairmont. Copper ore.	344
338. Eames, R., Jr., Salisbury. Copper ore.	344
339. Holmes, J. A., Raleigh. Native copper.	338
340. Maxwell, W. D., Shiloh. Copper ore.	344
341. Miller, C. A., Eli. Copper ore.	344
342. Muffy, J. R., & Co., Philadelphia. Copper ore.	344
343. New Gold Hill Company, Gold Hill. Copper ore.	344
344. Ore Knob Copper Company, Ore Knob. Native copper.	338
345. Weaver, James, Stone Hill. Native copper.	338

## GROUP 52.

346. Harris, T. C., Raleigh. Tin ore.	344
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## OHIO.

## LOCATION—SEC. N, 12.

## Ores, Mineral Combustibles, Building Stones, Quarry Products.

## GROUP 42.

Exhibit No.		Class'n No.
1a.	Camp Morris Mine. Iron ore.	291
1b.	Cherry Valley. Iron ore.	291
1c.	Leetonis. Iron ore.	291
1d.	Mineral Ridge. Iron ore.	291

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## OREGON.

## LOCATION.—SEC. Q, 8.

## Minerals, Ores, Native Metals, Gems and Crystals.

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## Minerals, Ores, Native Metals, Gems and Crystals.

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54. Elkhorn Mining Co., Elkhorn Dist. Gold ore.	291	82. Hooper & Scott, Gold Hill Dist. Gold and silver ores.	291
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56. Evans & Marfett, Shasta Dist. Free gold.	291	84. Ingram & Baker, Main Applegate Dist. Placer gold.	291
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59. Fitch, Cardwell & Crawford, Main Applegate Dist. Gold ore.	291	87. Jacksonville Mill & Mining Co., Jacksonville Dist. Gold and silver ores.	291
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63. Garner, M., Rock Creek Dist. Gold ore.	291	91. Judson, J. P. & Co., Coyote Dist. Gold ore.	291
64. Glisan, F. F., Cracker Creek Dist. Free milling gold.	291	92. Karlyle, Samuel and others, Davenport Dist. Gold ore.	291
65. Glisan & McCoomas, Cracker Creek Dist. Free gold and silver.	291	93. Kearns, G. W., Wolf Creek Dist. Placer gold.	291
66. Gliser, Al., Bonanza Dist. Free milling gold.	291	94. Keenan, S. M. & Co., Sparta & Cornucopia Dists. Free gold.	291
67. Gorman, Thomas, Virtue and White Swan Dists. Free gold.	291	95. Kelly, Penumbra, Davenport Dist. Gold ore.	291
68. Grage & Hinkle, Main Applegate Dist. Placer gold and gravel.	291	96. Klopp, Ike, Granite Dist. Gold and silver ores.	291
69. Granite & Greenhorn Cons. Mining Co., Granite Dist. Silver ore, antimonial and ruby silver.	291	97. Klopp & McLeland, Granite Dist. Gold and silver ores.	291
70. Grant Silver Mining Co., Olive Creek Dist. Silver ore.	291	98. Kimball, Ray, and others, Black Butte Dist. Cinnabar.	291
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72. Hartly & Biglow, Williams Creek Dist. Gold ore.	291	100. Lack, F. S., et al, Virtue and White Swan Districts. Free gold.	291
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## Minerals, Ores, Native Metals, Gems and Crystals.

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104. Levens & Giroux, Granite District.		133. Oregon Gold Mining Co., Sparta and Cornucopia Dists.	Gold ore.
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107. Lewis, M. B., Sparta and Cornucopia Dists.		135. Owings, P. H., Jacksonville Dist.	Placer gold.
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108. Lewis & Co., Sparta and Cornucopia Dists.		136. Palmer, Samuel, Sparta and Cornucopia Dists.	Gold and silver with galena.
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109. Loomas, E. F. & W. F., Davenport Dist.		137. Payne, E., et al, Columbia County.	Limonite.
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110. Loomas & Shepherd, Davenport Dist.		138. Pennington, J. L., et al, Wagner Creek Dist.	Gold and silver ore.
Gold and silver ores.	291	Gold and silver ore.	291
111. Lucky Bart Mining Co., Coyote Dist.		139. Portland, Company, The, Sparta and Cornucopia Dists.	Gold ore.
Gold ore.	291	Gold ore.	291
112. Mantelli & Campbell, Columbia County.		140. Portland Company, Virtue and White Swan Dists.	Free gold.
Limonite.	291	Free gold.	291
113. Mardon, D. B., Main Applegate Dist.		141. Rathburn, S. V. R., Bohemia Dist.	Silver and galena.
Placer gold.	291	Silver and galena.	291
114. Marksberry & Whitney, Gold Hill Dist.		142. Reed, C. D., Sturgill Bar Dist.	Placer gold.
Free milling gold ore.	291	Placer gold.	291
115. Maxwell Consolidated Mining Co., Rock Creek Dist.		143. Reynolds & Co., Meadows Dist.	Silver ore.
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116. McCallister Lewis, Grant's Pass Dist.		144. Roach & Rogers, Davenport Dist.	Free milling gold.
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117. McCarty D., et al, Davenport Dist.		145. Roper, F., Davenport Dist.	Gold ore.
Gold ore.	291	Gold ore.	291
118. McClure, W. S., Blackwell Dist.		146. Rowland, A. S., Waldo Dist.	Titanium.
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119. McDougall, James A., Main Applegate Dist.		147. Ruble, W. & R., Coyote Dist.	Placer gold.
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120. McGee, Frank, & Co., East Eagle Dist.		148. Saw Mill Gulch Consolidated Mining Co., Sparta and Cornucopia Dists.	Placer gold.
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121. McMahn, John, Davenport Dist.		149. Schnarr & Halin, Granite Dist.	Gold and silver ores.
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122. Messinger, S., Williams Creek Dist.		150. Schuffelin Bros., Foots Creek Dist.	Gold ore.
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123. Messinger, W. & H., et al, Davenport Dist.		151. Schump, George, Main Applegate Dist.	Gold ore.
Gold and silver ores.	291	Gold ore.	291
124. Messinger & Mitchell, Davenport Dist.		152. Shelton, Mr., Gold Hill Dist.	Gold ore.
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125. Miller, John, Jacksonville Dist.		153. Simmons & Cameron, Waldo Dist.	Placer gold, platina.
Placer gold.	291	Placer gold, platina.	291
126. Miller, L. E., et al, Coyote Dist.		154. Sluder & Snelson, Wolf Creek Dist.	Free milling gold.
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127. Mitchell M., Granite Dist.		155. Smith, Edward, & Bros., Coyote Dist.	Placer gold.
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128. Moore & Seeley Bros. Lucky Queen Dist.		156. Star Mining & Reduction Co., Foots Creek Dist.	Gold and silver ores with galena.
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166. Townley, W. J., Sangree Dist. Free gold.	291
167. Tucker & Jones, Sangree Dist. Gold ore.	291
168. Vanalla & Casper, Davenport Dist. Gold and silver ores.	291
169. Vial, J. L., & Co., Hinkley Dist. Gold ore, free milling gold.	291
170. Virtue Mining Co., Virtue and White Swan Dists. Free gold.	291
171. Winetrout, G. W., Main Applegate Dist. Gold quartz.	291
172. Wright & DeBar, Main Applegate Dist. Free milling gold.	291
173. Wulf, August, Jacksonville Dist. Placer gold.	291
174. Younger, John, Sparta and Cornucopia Dists. Free gold.	291

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# PENNSYLVANIA.

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LOCATION—GALLERY T, 6.

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33. Portland Mine, Bold Mountain. Gold ore.	291
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35. Red Cloud, Deadwood. Gold ore.	291
36. Rockford. Gold ore.	291
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## TENNESSEE.

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## UTAH.

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2. Alpine Mine, Willard Mining Dist.	291	27. Carr Fork District. Gold, silver, lead	291
Gold, silver and lead ores.	291	and tellurium ores.	291
3. Anchor Mine, Park City. Gold, silver	291	28. Cave Mine, Minersville Dist. Lead	291
and lead ores.	291	ores.	291
4. Argenta Mine, Stockton Mining Dist.	291	29. Centennial Mine, Eureka Tintic. Gold,	291
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5. Asbestos Mine, Minersville Dist.	291	30. Chicago Mine, Ophir Mining Dist.	291
Lead ores.	291	Gold, silver, lead and zinc ores.	291
6. Ashley Coal Mines, Ashley Fork Dist.	291	31. City of Rocks Mine, Little Cotton-	291
Lead and silver ores.	291	wood Dist. Gold, silver and lead	291
7. Baby McKee Mine, Big Cottonwood	291	ores.	291
Dist. Gold, silver, lead and zinc ores.	291	32. Catherine Mine, Stockton Mining	291
8. Barbee Mine, Silver Reef Dist. Gold	291	Dist. Gold, silver and lead ores.	291
and silver ores.	291	33. Climax Mine, Bingham Canyon. Gold,	291
9. Barker Mine, Willard Mining Dist.	291	silver, lead and zinc ores.	291
Gold, silver and lead ores.	291	34. Copperbelt Mine, Marysville Mining	291
10. Ben Harrison Mine, Big Cottonwood	291	Dist. Gold, silver and lead ores.	291
Dist. Gold, silver, lead and zinc ores.	291	35. Copper King Mine, Fish Springs Min-	291
11. Big Blowout Mine, Cedar City Dist.	291	ing Dist. Gold, silver and lead ores.	291
Iron ore.	291	36. Copperopolis Mine, Eureka Tintic.	291
12. Bismuth Mine, Beaver Mining Dist.	291	Gold, silver, lead, zinc and iron ores.	291
Gold and silver ores.	291	37. Copper Stain Mine, Lake Side Dist.	291
13. Black Jack Mine, Eureka Tintic.	291	Gold, silver and lead ores.	291
Gold, silver, lead, zinc and iron ores.	291	38. Crescent Mine, Park City. Gold, sil-	291
14. Bonanza Mine, Ophir Mining Dist.	291	ver and lead ores.	291
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15. Brooklyn Mine, Bingham Canyon.	291	trict. Gold, silver and lead ores.	291
Gold, silver, lead and zinc ores.	291	40. Daly Mine, Park City. Gold, silver	291
16. Buck Eye Reef Mine, Silver Reef	291	and lead ores.	291
Dist. Gold and silver ores.	291	41. Daly West Mine, Park City. Gold,	291
17. Brush Creek Copper Mines, Ashley	291	silver and lead ores.	291
Fork Dist. Lead and silver ores.	291	42. Deseret Mine, Ophir Mining District.	291
18. Buckhorn Mine, Fish Springs Mining	291	Gold, silver, lead and zinc ores.	291
Dist. Gold, silver and lead ores.	291	43. Dixie Copper Mines, St. George Dist.	291
19. Buckhorn Mine, Ophir Mining District.	291	Gold and silver ores.	291
Gold, silver and tellurium ores.	291	44. Dragon Mine, Eureka Tintic. Gold,	291
20. Bullion-Beck Mine, Eureka Tintic.	291	silver, lead, zinc and iron ores.	291
Gold, silver, lead, zinc and iron ores.	291	45. Dyer Copper Mine, Ashley Fork Dist.	291
21. Bully Boy Mine, Marysville Mining	291	Lead and silver ores.	291
Dist. Gold, silver and lead ores.	291	46. Emma Mine, Little Cottonwood Dist.	291
22. Banker Hill Mine, Stockton Mining	291	Gold, silver and lead ores.	291
Dist. Gold, silver and lead ores.	291	47. Eureka Hills Mine, Eureka Tintic.	291
23. California Mine, Park City. Gold,	291	Gold, silver, lead, zinc and iron ores.	291
silver and lead ores.	291	48. Flagstaff Mine, Little Cottonwood	291
24. California Mine, Silver Reef Dist.	291	Gold, silver and lead ores.	291
Gold and silver ores.	291	49. Glencoe Mine, Park City. Gold, sil-	291
25. Calumet Mine, Stockton Mining Dist.	291	ver and lead ores.	291
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52. Hematite Mine, Willard Mining Dist. Gold, silver and lead ores.	291	79. North Star Mine, Eureka Tintic. Gold, silver, lead, zinc and iron ores.	291
53. Highland Mine, Bingham Canyon. Gold, silver, lead and zinc ores.	291	80. Northland Mine, Park City. Gold, silver and lead ores.	291
54. Homestead Mine, Marysville Mining Dist. Gold, silver and lead ores.	291	81. Now I Have It Mine, Cedar City Dist. Iron ores.	291
55. Honarine Mine, Stockton Mining Dist. Gold, silver and lead ores.	291	82. No You Don't Mine, Stockton Mining Dist. Gold, silver and lead ores.	291
55a. Horn Silver Mine, Frisco. Silver and copper.	291	83. Ogden Canyon Mining Dist., Weber County. Lead and iron ores.	291
56. Hot Springs District, Weber County. Collection of minerals.	291	83a. Ogden Valley. Crystallized quartz.	291
57. Iron King Mine, Willard Mining Dist. Gold, silver and lead ores.	291	84. Oil Shales Mine, Ashley Fork Dist. Lead and silver ores.	291
58. Jim Fisk Mine, Ophir Mining Dist. Gold, silver, lead and zinc ores.	291	85. Olivia Mine, Willard Mining Dist. Gold, silver and lead ores.	291
59. Keystone Mine, Eureka Tintic. Gold, silver, lead, zinc and iron ores.	291	86. Ontario Mine, Park City. Gold, silver and lead ores.	291
60. La Plata Mine, La Plata. Silver and lead ores.	291	87. Ophir Hill Mine, Ophir Mining Dist. Gold, silver, lead and zinc ores.	291
61. Last Chance Mine, Bingham Canyon. Gold, silver, lead and zinc ores.	291	87a. Park City. Silver bullion.	291
62. Leeds Mine, Silver Reef Dist. Gold and silver ores.	291	88. Peruvian Mine, Little Cottonwood Dist. Gold, silver and lead ores.	291
63. Legal Tender Mine, Stockton Mining Dist. Gold, silver and lead ores.	291	89. Petro Mine, Bingham Canyon. Gold, silver, lead and zinc ores.	291
64. Lexington Mine, Bingham Canyon. Gold, silver, lead and zinc ores.	291	90. Plumbago Mine, Marysville Mining District. Gold, silver and lead ores.	291
65. Limonite Mine, Willard Mining Dist. Gold, silver and lead ores.	291	91. Queen Mine, La Plata. Silver and lead ores.	291
66. Lion Mine, Park City. Gold, silver and lead ores.	291	92. Red Jacket Mine, La Plata. Silver and lead ores.	291
67. Lucky Boy Mine, Bingham Canyon. Gold, silver, lead and zinc ores.	291	93. Red Rose Mine, Eureka Tintic. Gold, silver, lead, zinc and iron ores.	291
67a. McAntosh, R. A., Salt Lake City. Utah crystals, mineral cabinets and Gallena ores.	291	94. Red Warrior Mine, Cedar City District. Iron ore.	291
68. Mammoth Mine, Eureka Tintic. Gold, silver, lead, zinc and iron ores.	291	95. Reed & Goodspeed Mine, Big Cottonwood Dist. Gold, silver, lead and zinc ores.	291
69. Maxfield Mine, Big Cottonwood Dist. Gold, silver, lead and zinc ores.	291	95a. Rio Grande Western Railroad Co., Castle Gate. Albuite.	291
70. Mayflower Mine, Park City. Gold, silver and lead ores.	291	96. Rob Roy Mine, Beaver Mining Dist. Gold and silver ores.	291
71. Mona Mine, Ophir Mining Dist. Gold, silver, lead and zinc ores.	291	97. Rough and Ready Mine, Bingham Canyon. Gold, silver, lead and zinc ores.	291
72. Miners' Delight Mine, Ophir Mining Dist. Gold, silver, tellurium ores.	291	98. Salvation Mine, Cedar City Dist. Iron ore.	291
73. Mormon Boy Mine, Willard Mining Dist. Gold, silver and lead ores.	291	99. Sampson Mine, Bingham Canyon. Gold, silver, lead and zinc ores.	291
74. Nast Mine, Bingham Canyon. Gold, silver, lead and zinc ores.	291	99a. San Juan County. Utah garnets.	291
75. New Era Mine, Cedar City Dist. Iron ore.	291	100. Selenide of Mercury Mine, Marysville Mining Dist. Gold, silver and lead ores.	291
76. Niagara Mine, Bingham Canyon. Gold, silver, lead and zinc ores.	291	101. Sevier Mine, Marysville Mining Dist. Gold, silver and lead ores.	291
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134. Stewart Mine, Bingham Canyon. Gold, silver, lead and zinc ores.	291
135. Stormont Mine, Silver Reef Dist. Gold and silver ores.	291
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137. Sunrise Mine, La Plata. Silver and lead ores.	291
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140. Tate Mine, Cedar City Dist. Iron ore.	291
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145. Utah, Territory of. Collection of gems, San Juan garnets.	291
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147. Utah Mine, Fish Springs Mining Dist. Gold, silver and lead ores.	291
148. Utah Queen Mine, Ophir Mining Dist. Gold, silver, lead and zinc ores.	291
149. Vindicator Mine, Lake Side Dist. Gold, silver, and lead ores.	291
150. Wardleigh Mine, La Plata. Silver and lead ores.	291
151. Webster Mine, Marysville Mining Dist. Gold, silver and lead ores.	291
152. White Reef Mine, Silver Reef Dist. Gold and silver ores.	291
153. Woodside Mine, Park City. Gold, silver and lead ores.	291
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143. Red Warrior Mine, Cedar City Dist. Coal.	292
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151. Salina District. Calcites.	296
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173. Ashley Copper Mines, Ashley Fork Dist. Copper ores.	340
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177. Brooklyn Mine, Bingham Canyon. Copper ores.	340
178. Brush Creek Copper Mines, Ashley Fork Dist. Copper ores.	340
179. Buckeye Reef Mine, Silver Reef Dist. Copper ores.	340
180. Bullion-Beck Mine, Eureka Tintic. Copper ore.	340
181. Bully Boy Mine, Lewiston Mining Dist. Copper ore.	340
182. Bunker Hill Mine, Stockton Mining Dist. Copper ore.	340
182a. Cactus Mining Co., Frisco. Copper bullion and chalcopryite.	340
183. California Mine, Park City. Copper ore.	340
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185. Calumet Mine, Stockton Mining Dist. Copper ore.	340
186. Carissa Mine, Eureka Tintic. Copper ore.	340
187. Carr Fork Dist. Copper ores.	340
188. Catherine Mine, Stockton Mining Dist. Copper ore.	340
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193. Copper Stain Mine, Lake Side Dist. Copper ore.	340
194. Crescent Mine, Park City. Copper ores.	340
195. Dalton Mine, Marysville Mining Dist. Copper ore.	340
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27. Keystone Mine, Eureka Tintic. Copper ore.	340
28. La Plata Mine, La Plata. Copper ores.	340
29. Leads Mine, Silver Reef Dist. Copper ores.	340
30. Legal Tender Mine, Stockton Mining Dist. Copper ore.	340
31. Lion Mine, Park City. Copper ore.	340
32. Mammoth Mine, Eureka Tintic. Copper ore.	340
33. Mayflower Mine, Park City. Copper ore.	340
34. Mona Mine, Ophir Mining Dist. Copper ore.	340
35. Northland Mine, Park City. Copper ores.	340
36. Northern Spy Mine, Eureka Tintic. Copper ore.	340
37. North Star Mine, Eureka Tintic. Copper ore.	340
38. No You Don't Mine, Stockton Mining Dist. Copper ores.	340
39. Oil Shales Mine, Ashley Fork Dist. Copper ores.	340
40. Ontario Mine, Park City. Copper ores.	340
41. Ophir Hill Mine, Ophir Mining Dist. Copper ore.	340
42. Plumbago Mine, Marysville Mining Dist. Copper ore.	340
43. Queen Mine, La Plata. Copper ores.	340
44. Red Rose Mine, Eureka Tintic. Copper ore.	340
45. Sevier Mine, Marysville Mining Dist. Copper ore.	340
46. Shoe Fly Mine, Ophir Mining Dist. Copper ore.	340
47. Silver King Mine, Park City. Copper ores.	340
48. Silver Spar Mine, Eureka Tintic. Copper ore.	340
49. Southern Star Mine, Silver Reef Dist. Copper ores.	340
50. Selenide of Mercury Mine, Marysville Mining Dist. Copper ore.	340
51. Stormont Mine, Silver Reef Dist. Copper ore.	340
52. Sundown Mine, La Plata. Copper ores.	340
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237. Wardleigh Mine, La Plata. Copper ores.	340
238. Webster Mine, Marysville Mining Dist. Copper ore.	340
239. White Reef Mine, Silver Reef Dist. Copper ores.	340
240. Woodside Mine, Park City. Copper ores.	340
241. Yosemite No. 1 Mine, Bingham Canyon. Copper ores.	340
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244. Ben Harrison Mine, Big Cottonwood Dist. Antimony.	356
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250. Carissa Mine, Eureka Tintic. Antimony.	356
251. Climax Mine, Bingham Canyon. Antimony.	356
252. Copperbuilt Mine, Marysville Mining Dist.	
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253. Copperopolis Mine, Eureka Tintic. Antimony.	356
254. Coyote Mine, Coyote Creek Dist. Antimony.	356
255. Dalton Mine, Marysville Mining Dist.	
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256. Dragon Mine, Eureka Tintic. Antimony.	356
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251.	Trays of black sands containing gold.	
252.	Trays of molybdenum, a rare mineral.	
253.	Specimens of magnetic ores.	
254.	Oil painting, Mt. Rainier; value, \$500.	
255.	Five monuments of Washington ores, containing gold, silver, copper and lead.	
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## WEST VIRGINIA.

## LOCATION—SEC. M, 8.

## Minerals, Ores, Native Metals, Gems and Crystals.

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## Minerals, Ores, Gems, Crystals, Mineral Combustibles.

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56a. Fairmont Coal & Coke Region, Marion & Monongalia Cos. Coal and coke.	292	71. Longdale Iron Co., Sewell Depot. Coal.	292
57. Fayette Coal & Coke Co., Fayette Station. Coal and coke.	292	72. Louisville Coal & Coke Co., Goodwill, Mercer County. Coal and coke.	292
57a. Ferguson Splint Coal Co., Ferguson. Coal.	292	72a. Ludwig & Mooney, Sistersville. Crude petroleum.	294
58. Fire Creek Coal & Coke Co., Fire Creek. Coal and coke.	292	73. Lynchburg Coal & Coke Co., Powhatan. Coal.	292
58a. Flat Top Coal and Coke Association, Mercer and McDowell Counties. Steam and coking coal and coke.	292	73a. Marces, A., New York, N. Y. Bituminous and cannel coal.	292
59. Forbes, Carmichael & Co., Wellsburg, Brooke County. Coal.	292	74. Marmet Mines, Raymond City. Coal.	292
59a. Freeman & Jones, Freemans. Coal.	292	75. Marion County District, Mannington. Oil.	292
60. Gaston Coal & Coke Co., Gaston. Coal.	292	75a. McDowell Coal and Coke Co., McDowell. Coal.	292
61. Gilliam Coal & Coke Co., Algoma, McDowell County. Coal and coke.	292	76. Meadow Creek Coal & Coke Co., Meadow Creek, Summers County. Coal.	292
62. Goodwill Coal & Coke Co., Goodwill. Coal.	292	77. Miller, Alex. McVeigh, Alderson. Coal from Greenbrier county.	292
63. Great Kanawha Colliery Co., Mt. Carbon. Coal.	292	77a. Mill Creek Coal & Coke Co., Coopers, Mercer County. Coal.	292
63a. Greenbrier Coal and Coke Co., Mercer County. Coal and coke.	292	77b. Monarch Colliery, Kenova. Coal.	292
63b. Hatch, J. L., Rochester, N. Y. Anthracite coal from Berkeley and Morgan counties.	292	78. Monongah Coal & Coke Co., Monongah, Marion County. Coal and coke.	292
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64a. Hope Salt and Coal Co., Mason County. Coal.	292	80. Montana Coal & Coke Co., Fairmont. Coal and crushed coke.	292
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65. Houston Coal & Coke Co., Elkhorn. Coal and coke.	292	80b. Murphy, E. J., & Bros., Sistersville. Petroleum.	294
66. Hutchinson Coal & Coke Co., Fairmont. Coal from Monongalia county.	292	81. Mt. Carbon Coal Co., Powellton. Coal, splint, steam, smithing and gas coals, coke and crushed coke.	292
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67a. Kanawha Coal Exchange, Charleston. Coal, splint, cannel, coking, smithing, gas, steam and coke and crushed coke.	292	83. Newburg Orrell Coal & Coke Co., Newburg, Preston County Coal from Taylor county.	292
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86. Nuttallburg Coal & Coke Co., Nuttallburg. Coal and coke.	292
86a. O'Brien, Dennis, Volcano. Petroleum.	292
86b. Orrell Coal and Coke Co., Tyrconnell. Coal.	292
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87. Peel Splint Coal Co., Lewiston. Splint coal.	292
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90. Powhatan Coal & Coke Co., Powhatan. Coal.	292
90a. Preston, John, Sistersville. Petroleum.	294
91. Quinnimont Coal & Iron Co., Quinnimont. Coal and coke.	292
91a. Ramey, O. B., & Co., Sistersville. Crude petroleum.	294
91b. Red Ash Coal Co., Rush Run. Bituminous coal.	292
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94. Rush Run Coal & Coke Co., Rush Run, Fayette County. Semi-bituminous coal.	292
95. Shamokin Coal & Coke Co., Maybeury. Coal and coke.	292
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97b. Sterling Coal & Coke Co., Coit. Coal.	292
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100. Thurmond Coal Co., Thurmond. Coal.	292
101. Tidewater Coal & Coke Co., Vivian. Coal.	292
102. Turkey Gap Coal & Coke Co., Ennis, McDowell County. Coal and coke.	292
103. Upland Coal & Coke Co., Elkhorn. Coal.	292
104. Virginia and Pittsburg Coal & Coke Co., Fairmont. Coal.	292
105. Volcano District, Wood County. Oil.	294
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106. West Fairmont Coal & Coke Co., Fairmont. Coal.	292
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109a. West Virginia University, Morgantown. Cannel coal from Wayne and Taylor counties.	292
110. Whittaker Iron Co., Wheeling, Ohio County. Coal.	292
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115a. Cannellton Coal Co., Cannellton. Sandstone.	296
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119. Keenan, Samuel, Parkersburg, Wood County. Sandstone.	296
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125. Sattis, F. A., Sattis, Kanawha County. Sandstones.	296
125a. Storer, J. J., Philadelphia, Pa. Sandstones and limestones from Preston county.	296
126. Van Pelt, M., Moundsville, Marshall County. Sandstone.	296
127. Virginia Brownstone Co., Hinton, Summers County. Brownstone and sandstone.	296
128. Wells, E. W., Clarksburg, Harrison County. Sandstones.	296
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135. Mallonee, L., Grafton. Fire clays.	304
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138. Nicholls & Mathews, Wellsburg. Pressed brick and clay.	304
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140c. Roberts, Pickens, Upshur County. Clay, red shale and fire clay.	304
140d. Smith, Porter & Co., New Cumberland. Clay, fire brick.	304
140e. Standard Clay M'fg Co., New Cumberland. Clay, fire brick, sewer-pipe, terra cotta.	304
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140g. Taylor County. Fire clay and brick.	304
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Limestone, Cement, Ochres, Mineral Waters, Iron, Copper, History.

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d Limestone from Ohio county.	
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## WISCONSIN.

LOCATION—SEC. N, 21.

## Minerals, Ores, Native Metals, Gems and Crystals.

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4. Blake, William P., Shullsburg. Lead ore.	291	25. Gundry, Joseph, Mineral Point. <i>a</i> Cabinet of minerals, etc.	290
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11. Coltman Mining Co., Benton. Lead ore.	291	29a. Hutchinson, S., M. Co., Shullsburg. Lead ores.	291
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12. Coulthard Mining Co., New Diggings. Lead ore.	291	31. Iron Belt Iron Mining Co., Hurley. Iron ore.	291
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14. Crawford, Jefferson, Hazel Green. Lead ore.	291	33. Jenks, Mrs. Dr., Hazel Green. <i>a</i> Cabinet of minerals, etc.	290
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19. Freeman, James, Shullsburg. Lead ore.	291	38. Little Giant Mining Co., Shullsburg. Lead ore.	291
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21. Gannonia Iron Co., Hurley. Iron ore.	291	40. Marks, Reuben, Belleville. <i>a</i> Cabinet of minerals, etc.	290
22. George, Henry, Shullsburg. Cabinet of minerals, etc.	290	<i>b</i> Gold and silver quartz, iron and lead ore.	291
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49. O'Neill, Thomas, Darlington. Lead ore.	291	77. Berlin & Montello Co., Berlin. Granite, rough and polished.	296
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53. Prentice Brownstone Co., Ashland. Cabinet of minerals.	290	80. Duchateau Stone Co., Green Bay. Lime and sandstone.	296
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WYOMING.

LOCATION—SEC. Q, 23.

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# ARGENTINE REPUBLIC.

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Commissao Mineira, Sabara Minas. Asbestos.	307
Commissao Mineira, Taquara, near Rio Preto, Minas. Asbestos.	307
Companhia Progresso Industrial de Carandahy, Carandahy Minas. Refractory clay.	304
Faria Lobo, Jose, Penedo, Alagoas. Stone in form of filter.	305
Adin, Afrodizio, Ceara. Asbestos.	307
Dr. Martins, Itabira do Matto, Minas. Refractory clay.	304
Col. Ignacio, Sao Pedro do Bonfonia, Minas. Crude graphite.	298

## GROUP 47.

Commissao Cearense; Local de Ipu; Sobral; Morada Nova; Limoeiro; Lucas; Leonel Irmaos; R. Jose Fonte-	
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Exhibit No.	Class'n No.
56. nelle; Napoleao Irmaos; Estrada de Ferro de Vicoza, Lime.	309
57. Commissao Mineira, Sao Joao d'El Rei, Minas. Limestone, lime, etc.	309
58. Companhia Progresso Industrial de Carandahy, Carandahy, Minas. Lime slacked and unslacked.	309
59. Encruzilhada, Rio Grande do Sul. Lime.	309
60. Ferraro, Francisco F., Bahia. Artificial granite.	311

## GROUP 48.

61. Commissao Bahiana, Bahia. Ochres, etc.	319
62. Commissao Cearense, Ceara. Ochres, etc.	319
63. Commissao Cearense (Estevas Louzada; F. Helvecio Santos; Jose Militao Menescal; Napocao Irmaos e Cia.; Commissao Local de Campo Grande; Commissao Local de Ibiapina; Estrada de Ferro de Vicoza); Ceara. Salt.	314
64. Commissao de Ibiapina, Ceara. Alum, etc.	316
64a. Commissao Mineira, Antonio Pereira, Minas. Sulphates, etc.	316
65. Commissao Mineira, Baryte. Sulphates, etc.	316
66. Commissao Mineira, Curvello, Minas. Nitre, etc.	315
67. Commissao Mineira, Diamantina, Minas. Nitre, etc.	315
68. Commissao Mineira, Formiga, Minas. Nitre, etc.	315
69. Commissao Mineira, Ouro Preto. Minas. Ochres, etc.	319
70. Companhia Nacional de Salinas, Macao, Rio Grande do Norte. Salt.	314
71. Companhia Nacional de Salinas, Mossoro-Assu. Cabo Frio, Rio de Janeiro. Salt.	314
72. Companhia Salinas de Margarida, Bahia. Salt.	314
73. Estrada de Ferro da Bahia. Nitre, etc.	315
74. Estrada de Ferro de Vicoza, Ceara. a Nitre, etc.	315
b Alum, etc.	316
75. Francisco Tertuliano de Albuquerque, Macao, Rio Grande do Norte. Salt.	314
76. Gurgel do Amaral, Joao Adolpho, Aracaty, Ceara. Salt.	314
77. Lindenberg de Nogueira, Jose, Cabo Frio, Rio de Janeiro. Salt.	314
78. Murta, Col. Ignacio, Sao Pedro do Jequitinhonha, Minas. Alum, etc.	316
80. Tiburcio, G. de Paula, Ceara. Sulphate of iron.	316

## Metallurgy of Iron, History and Literature of Mining.

## GROUP 49.

Exhibit No.	Class'n No.
81. Commissao Mineira, Minas. Bar iron.	Ganderella, 334
82. Commissao Mineira, Itabira de Matto Dentro. Manufactured iron.	334
83. Fabrica de Ferro de Ipanema, Sao Paulo. Manufactured iron.	334

## GROUP 67.

84. Commissao Mineira. Monument representing production of Minas mine, 1720 to 1820.	411
85. Commissao Mineira, Prof. Paul Ferraud, Minas. Map of gold mine in Minas.	410
86. Companhia Mineralogica Brasileira, Tripuhy, Curo Preto, Minas. Maps and photos.	410
87. Dom Pedro Gold Mining Co., Ltd., Maquine Mine, Jacutinga. Photos of Mines, etc.	410

Exhibit No.	Class'n No.
88. Ferrez Marc for Commissao Brasileira. Photos illustrating diamond and gold mining.	410
89. Lindenber e Nogueira, Jose, Cabo Frio, Rio de Janeiro. Photos of mines, etc.	410
90. Mines d'Or de Faria, Minas. Photos of mines, etc.	410
91. Ouro Preto Gold Mines, Ltd. Photos illustrating mines and methods of working.	410
92. Sao Joao d'El Rei Gold Mining Co., Ltd.	
a Photos, maps, plans and sections of mines.	411
b Statistics, etc.	411
93. San Joao d'El-Rei Gold Mining Co. (Ld.): Monument representing production charge and gain, of Morro Vesho Mine 1836 to 1886.	411

## CANADA.

## LOCATION—SEC. B, 11.

## Minerals, Ores, Native Metals, Gems and Crystals.

## GROUP 42.

Exhibit No.	Class'n No.
1. Ahn, R. H., Toronto. Collection of minerals, quartz, gold and silver ores.	291
2. Allison & Platt, Adolphustown. Specular magnetite.	291
3. Aunger, J. L., Collection. Silver ore, collection of quartz, galena, fluorite, pyrite and hematite, pyrite, globular concretion, pyrite with calcite and apatite, barite, sphene, cores from diamond drill borings, scapolite, augite crystals, graphite, wolframite, tourmaline, garnet, tremolite, hornblende, pyroxene, manganese, calcite, celestite, molybdenite, and jasper, gold free, gold free in quartz, gold with pyrite and arsenopyrite in quartz, gold free in black argillite, gold native, magnetite and hematite.	291
4. Belmont, Peterborough County. Magnetite.	291
5. Bell, James, Arnprior. Hematite.	291
7. Bessemer Iron Mining Co., Belmont. Magnetite.	291
8. Blanchet, J., Quebec. Silver ores.	291
9. Bosse, H. C., Quebec. Iron ore.	291
10. Boyle, James F., Toronto. Quartz crystals, amethysts, magnetite.	291

Exhibit No.	Class'n No.
11. Burk, D. F., Port Arthur. Amethysts.	291
11a. Burrard Inlet, New Westminster, B. C. Zinc ore.	291
12. Butler, Michael, Grenville, P. Q. Pyrrallolite.	291
13. Calabogie Mining Co. Ltd., Perth. Magnetite.	291
14. Caldwell, W. C., Lanark. Magnetite.	291
15. Caldwell, W. & T. B., Lavant. Magnetic iron ore and magnetite.	291
16. Campbell, P. C., Sault Ste. Marie. Hematite.	291
16a. Canada Iron Furnace Co., Montreal. Que. Pig iron ores for the manufacture of rails, car wheels, etc.	291
17. Canadian Copper Co. Nickel ore sand, carrying sperrylite, pyrrhotite; chalcocopyrite.	291
18. Cariboo District, B. C. Gold ore.	291
19. Cariboo and Kootenay Districts, B. C. Gold dust.	291
20. Carscallen, A. W. & M. Crawford. Marmora. Gold bearing quartz and schistophurets.	291

## Minerals, Ores, Native Metals, Gems and Crystals.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
21. Chamberlain, Dr. T. F., Toronto. Calcite and galena.	291	51. Kidd, W. G., Collection. Apatite crystals in calcite, quartz, actinolite, feldspar, sphene, pyroxine, scapolite, Amazon stone and orthoclase from Sebastopol; sphene from Minden & Martin's mine; scapolite from Lake Clear; tourmaline from Foxton mine, Verona; boring from Diamond Drill and Robertsonville mine; cyanite from Lake Wahnapiatae; barite crystal from Frontenac Lead Mine; fluorite from Thunder Bay and Newburg; molybdenite from Petawawa; Pyrite on calcite from Frontenac Lead Mine, Thunder Bay, Beaver Mine and Lake Openicon; Galena from Grimssthorpe and Frontenac Lead Mine; silver from Marble Lake, Silver Islet and Thunder Bay; quartz crystals and smoky quartz from Thunder Bay; quartz Geode from Oso; collection of crystals; molybdenite crystal from Petawawa, Calabogie and Mountain Grove; celestite from Barriefield Common, Kingston; steatite from Grimssthorpe, Portland and Marble Lake; Barite from Lake Openicon; serpentine from Bedford; vesuvianite from Fitzroy and Bedford; wilsonite from Foxton Mine, Bathurst; hornblende from Renfrew County; tremolite from Madoc; albite from Crosby; labradorite from Sharbot Lake; smoky topaz and amethyst from Thunder Bay, Nepigon; calcite from Newburg, Lake Openicon, Fitzroy, Thunder Bay, Hinchinbrooke and Beaver Mine; prehnite from Lake Superior; gold (mispickel crystals) from Marmora; specular, magnetite.	291
22. Clark, J. M., Toronto. Gold bearing quartz.	291	52. Kootenay East, B. C. Ores.	291
23. Clute, R. C., Belleville. Magnetite.	291	53. Lardeau District, West Kootenay, B. C. Ores.	291
24. Clute & Brown, Belleville. Nickel and magnetite.	291	54. Lechart Mine, Barclay Sound, B. C. Mercury.	291
25. Cockburn, A. J., Toronto. Galena.	291	55. Ledyard, T. D., Toronto. Magnetite and limonite.	291
25a. Dominion Geological Survey, Ottawa. (Alfred C. Selwyn, Director.) Classified collection of minerals, rocks, fossils, reports, maps and photographs.	290	56. Markham, F., Markhamville, N. B. Manganese.	291
26. Dominion Mining Co., Rat Portage. Gold.	291	57. Marmora Township, Hastings County. Hematite.	291
27. Drury Nickel Co., Algoma. Pyrrhotite.	291	58. McConnell, Rinaldo, Mattawa. Pyrrhotite.	291
28. Ennis & Co., Bellerica, P. Q. Iron ore.	291	59. McEachen, Duncan, McTavish. Galena.	291
29. Eschweiler, Charles E., Milwaukee, Wis. Stephanite, from Huronian mines, Moss Township, Thunder Bay District.	291	60. McFee, John, Belleville. Galena.	291
30. Fenton, F. A., Toronto. Magnetite iron sand.	291	61. McGregor, Robert, Calabogie. Magnetite.	291
31. Ferguson, F. W., Winnipeg, Manitoba. Magnetite.	291	62. McKellar, P., Fort William. Hematite.	291
32. Fogg, S. G., Rat Portage. Calcite; silver ore; hematite.	291	63. McLaren, D., Wahnapiatae. Pyrrhotite. Gold bearing quartz.	291
33. Fort Steele Division, East Kootenay, B. C. Ores.	291		
34. Foxton Bros., Sydenham. Apatite.	291		
35. Frood, Thomas, Little Current. Pyrrhotite, chalcopyrite and hematite.	291		
37. Glen Iron Mfg. Co., Kamloops, B. C. Iron ores.	291		
38. Gordon, J. R., Sudbury. Platinum bearing ore, auriferous ore.	291		
39. Haliburton Mining Co., Toronto. Apatite, magnetite.	291		
40. Hall, John, Sarnia, Algoma. Pyrrhotite.	291		
41. Hardy, A. S., Toronto. Gold free; silver glance.	291		
42. Harrison, James E., Bridgewater. Actinolite.	291		
43. Hart, John, Perth. Magnetite.	291		
44. Hot Springs Division, West Kootenay, B. C. Ores.	291		
45. McClellawaet, West Kootenay. Ores.	291		
46. Ince, T. H., Toronto. Gold and silver.	291		
47. Jenkins, W., Madoc. Galena, nickel and magnetite.	291		
48. Jenkins & Chambers, Madoc. Nickel and magnetite.	291		
49. Johnson, Henry, Coe Hill. Gold mispickel, quartz, magnetite, hematite and galena.	291		
50. Kamloops Districts, B. C. Ores.	291		

# DEPARTMENT E. MINES, MINING AND METALLURGY.

## Mining, Ore, Native Metals, Gems and Crystals.

	Exhibit No.	Class No.
Serpentine, from Oso, Duncan	100	100
Thunder Bay, Thomas Woodside, Port	101	101
Arthur, Minnesota.	102	102
Serpentine, from Terrace Bay, Thunder	103	103
Bay District, McKellar Bros. Fort	104	104
Smith, Rainy River District, D.F.	105	105
Serpentine, from Port Arthur, Montclair, W.	106	106
Serpentine, from Port Arthur, Eastern Ontario, A.	107	107
Serpentine, from Port Arthur, Thunder Bay	108	108
Serpentine, from Port Arthur, Thunder Bay	109	109
Serpentine, from Port Arthur, Thunder Bay	110	110
Serpentine, from Port Arthur, Thunder Bay	111	111
Serpentine, from Port Arthur, Thunder Bay	112	112
Serpentine, from Port Arthur, Thunder Bay	113	113
Serpentine, from Port Arthur, Thunder Bay	114	114
Serpentine, from Port Arthur, Thunder Bay	115	115
Serpentine, from Port Arthur, Thunder Bay	116	116
Serpentine, from Port Arthur, Thunder Bay	117	117
Serpentine, from Port Arthur, Thunder Bay	118	118
Serpentine, from Port Arthur, Thunder Bay	119	119
Serpentine, from Port Arthur, Thunder Bay	120	120
Serpentine, from Port Arthur, Thunder Bay	121	121
Serpentine, from Port Arthur, Thunder Bay	122	122
Serpentine, from Port Arthur, Thunder Bay	123	123
Serpentine, from Port Arthur, Thunder Bay	124	124
Serpentine, from Port Arthur, Thunder Bay	125	125
Serpentine, from Port Arthur, Thunder Bay	126	126
Serpentine, from Port Arthur, Thunder Bay	127	127
Serpentine, from Port Arthur, Thunder Bay	128	128
Serpentine, from Port Arthur, Thunder Bay	129	129
Serpentine, from Port Arthur, Thunder Bay	130	130
Serpentine, from Port Arthur, Thunder Bay	131	131
Serpentine, from Port Arthur, Thunder Bay	132	132
Serpentine, from Port Arthur, Thunder Bay	133	133
Serpentine, from Port Arthur, Thunder Bay	134	134
Serpentine, from Port Arthur, Thunder Bay	135	135
Serpentine, from Port Arthur, Thunder Bay	136	136
Serpentine, from Port Arthur, Thunder Bay	137	137
Serpentine, from Port Arthur, Thunder Bay	138	138
Serpentine, from Port Arthur, Thunder Bay	139	139
Serpentine, from Port Arthur, Thunder Bay	140	140

## Minerals, Ores, Native Metals, Gems and Crystals, Coal.

Exhibit No.	Class'n No.
Nepigon and Oliver; Cinnabar from Silver Hill; calcite crystals from Beaver Mine; barite from McKellar and Verte Islands; Pyrite from Kaministiquia and Schreiber; lignite from Rainy River; zinc blende; gold from Moss Township; Brule, Wabigoon, Atik-Okan and Moose River; iron (magnetite) from Atik-Okan, Mattiwan, Gun Flint Lake, Current River and McGregor Township; nickel from Gun Flint Lake, Schreiber and Savanne; nickelite from 3 A Mine; galena from Munger Mine, Ogema Mine and Silver Mountain; Jasper from White Fish Lake; manganese from Sand Lake; amethysts, alum shales, peat, iron oxides, fluor spar and blende from Thunder Bay.	
94. Powell, M. H., Marmora. Gold and pyrite.	291
97. Provincial Government of British Columbia, Victoria, B. C. Collection of minerals.	290
98. Provincial Government of Northwest Territories, Regina. Collection of minerals.	290
99. Provincial Government of Nova Scotia, Halifax. Collection of minerals and native gold. Lawson Mine, Montague, N. S.; Montague District; Owens' District; Waverly District; S. Uniacke and Gays River.	290
Provincial Government of Ontario, Toronto. Collection of minerals.	290
Provincial Government of Quebec, Quebec. Collection of minerals.	290
Pursey, William, Verona. Magnetite.	291
Rat Portage. Gold specimens and gold quartz, amethyst.	291
Reed, James, Dr., Reedsdale, P. O. Iron, antimony and chromic iron ore.	291
Redpath, Oliver, Kamloops, B. C. Ores.	291
Richardson, Kingston. Apatite crystals.	291
Riddell, J. D., Supt. C. O. R., Trenton. Magnetite.	291
Russell, A. L., Port Arthur. Magnetite.	291
Russell, J. & C., Renfrew, Silver and ores.	291
Russell, W. W., Port Arthur, Magnetite.	291
Scott, M., Chelsea, P. Q. Jasper.	291
Shea, Jerry, Pontiac, P. Q. Iron ore.	291
Simmons, Nelson, Echo Bay. Limonite.	291

Exhibit No.	Class'n No.
95. Slocan District, West Kootenay, B. C. Ores.	291
94. Snowden Township, Haliburton County. Magnetite.	291
95. Spencer, O., Calumet Island, P. O. Iron ore and lodestone.	291
96. Standard Fertilizer & Chemical Co., Smith's Falls. Pyrite.	291
97. Stockton, F. W., Sussex, N. B. Manganese.	291
97a. Touquay, D., Moose River, Cariboo, N. S. Brick of gold, \$1,650; ornaments native gold.	291
98. Thompson & Monahan, Toronto. Gold in alluvial sand.	291
99. Totten, Henry, Toronto. Pyrrhotite and chalcopyrite.	291
100. Trail Creek District, West Kootenay, B. C. Ores.	291
100a. Truro Gold Mining Co., Truro, N. S. Gold in quartz.	291
101. Tucker, W., Madoc. Galena.	291
102. Wages, Leonard, Farnworth. Hematite.	291
103. Wallbridge, Mrs. J. A., Belleville. Hematite and magnetite.	291
104. Wiley Collection, Nepigon. Hematite.	291
105. Wiley & Co., Port Arthur. Collection of ores and minerals.	291
106. Wiley, H. A., Port Arthur. Magnetite.	291
107. Wiley & Marks, Port Arthur. Magnetic pyrites.	291
108. Willimott & Co., C. P., Ottawa. Minerals and precious stones, rough and cut.	291
109. Wylze, W. H., Marmora. Gold, mispickel, iron pyrites.	291
110. Wylie & Co., Garton Place. Magnetite and hematite.	291
111. Yale District, Osoyoos, B. C. Ores.	291

## GROUP 43.

112. Adamsen, J. T., Edmonton, N. W. T. Coal.	292
113. Crow's Nest Coal Co., East Kootenay, B. C. Coal.	292
113a. Christie & Willock, Pincher Creek, Alberta. Coal.	292
114. Dominion Coal Co., Estevan, N. W. T. Coal.	292
115. East Wellington Nanaimo, R. D. Chandler & Co. Coal.	292
116. Gaetz, Leonard, Red Deer. Coal.	292
117. Hassard, H., Souris, N. W. T.	

## Coal, Building Stone, Quarry Products, Grinding Substances, Mica.

Exhibit No.	Class'n No.
119. Kamloops Coal Co., Kamloops, B. C. Coal.	292
120. McFarlane, J., Rat Portage. Amber.	293
121. New Vancouver Coal Co., Nanaimo Colliery, B. C. Coal.	292
122. Northwestern Coal & Navigation Co., Lethbridge. Coal.	292
123. Union Coal Co., Comox, Vancouver Island, B. C. Coke and coal.	292
124. Wellington Colliery, Nanaimo, R. Dunsmuir & Son. Coal.	292

## GROUP 44.

125. Adamson, J. F., Edmonton, N. W. T. Sandstone.	296
126. Buck, F. P., Sherbrooke, P. Q. Marble.	296
126a. Byrne, T., Grenville, P. Q. Serpentine.	296
127. Caldwell, W. C., Lasark. Granite.	296
128. Canadian Granite Co., Ottawa. Granite.	296
129. Carroll & Vick, Toronto. Freestone.	296
130. Districts of Miquick, Riviere-a-Piere, Pontiac, Belanger and Lake St. John, P. Q. Granite.	296
131. Ellis, P. W., Toronto. Collection of marbles.	296
132. Epps, Dodds & Co., St. George, N. B. Red granite.	296
133. Fields, Thomas, Camperdown. Utica shale.	296
134. Fish, C. E., Newcastle, N. B. Building stones.	296
135. Flynn, Robert, Mountain Grove. Breccia.	296
136. Fogg, S. G., Rat Portage. Polished agate.	296
137. Gaez, Leonard, Red Deer, N. W. T. Building stones.	296
138. Harrison, James H., Bridgewater. Marble.	296
139. Hungerford Marble Co., Ltd. Collection of marbles.	296
140. Imperial Oil Co., Ltd., Petrolia, Ont. Petroleum oil and products of petroleum.	294
141. Kidd, W. G., Collection. Granite from Kingston.	296
142. McCallum, J. G., Calgary, N. W. T. Building stones.	296
143. McDonald, A. A., Madoc. Lithographic stone.	296
144. McKay, A., Indian Head, N. W. T. Building stone.	296

Exhibit No.	Class'n No.
145. New Rockland Slate Co., New Rockland, P. Q. Slate.	296
146. Ontario government collection. Volcanic Breccia, Freestone, from Credit Forks, Carroll & Vick, Toronto; Orangeville, J. C. Goddard, Toronto; granite from Kingston; from Pearl River Station, Lake Superior; Pearl River Station, Thunder Bay District; Canadian Granite Co., Ottawa; Ignace Station, west of Fort William. Collection of marble from various localities. Garnetiferous Gneiss from Sebastopol; sandstone from Cataract quarry, Pittsburg; Bathurst, P. M. McDonald, Perth; Indian Mission Quarry, McKay's Mountain; Thunder Bay; Kingston; C. F. Gildersleeve, Kingston; Thunder Bay. McKellar Bros., Fort William. Rossport, Nepigon Bay, Thunder Bay District, McKellar Bros., Fort William. Verte Island, Lake Superior, Chicago & Verte Island Stone Co., Port Arthur; C. F. Gildersleeve, Kingston and Pittsburg; C. F. Gildersleeve, Kingston; Perth Town, Council.	296
147. Port Arthur Collection. Sandstone from Nepigon and Black Bay. Flagging from Thunder Cape and Sawyer's Bay. Roofing slates from Jarvis Island.	296
148. Provincial Government of Prince Edward, Charlottetown. Building stones.	296
149. Rat Portage Collection. Granite.	296
151. Stevens, Edgar S., Moncton, N. B. Block of freestone.	296
152. Thunder Bay, Collection. Marble from Sturgeon river.	296

## GROUP 45.

154. Chonest, E., Quebec. Garnet.	296
155. Fish, C. E., Newcastle, N. B. Grindstones.	296
156. Kidd, W. G., Collection. Granite from Eganville, Renfrew county; British Columbia; Calabogie, Renfrew County.	296
157. Ontario Government Collection. Granite from Sebastopol, Renfrew county.	296
158. Port Arthur Collection. Emery from Tache on C. P. Railway. Granite from Rainy Lake.	296

## GROUP 46.

159. Adamson, I. M., Ottawa, Ont. Mica.	296
160. Ahn, R. H., Toronto. Steatite.	296
161. Allan, W. A., Ottawa. Mica.	296

## Graphite and Its Products, Clays and Their Products, Asbestos, Etc.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
102. American Asbestos Co., Black Lake, P. Q. Asbestos.	307	191. Ontario Government Collection.	
103. Anglo Asbestos Co., Black Lake. Asbestos.	307	a Graphite, from Thompson & Monahan, Toronto; McKellar Bros., Fort William; Hart & Manien, Perth; Bedford, John T. Wood, Brockville; Ashby, Addington county, Elmsley.	298
104. Beaver Asbestos Co., Thetford, P. Q. Asbestos.	307	b Lithographic stone, from Eganville.	301
105. Berry, M. B., Quebec. Asbestos.	305	c Kaolin, from Coal Brook, E. B. Borron; and also from Moose river.	304
106. Boyle, James F., Toronto. Mica.	305	d Clay from C. Littlebridge, Owen Sound; E. B. Borron, Toronto; Dr. Robertson, Milton, Mattagami river; Missinaibi river.	304
106a. Buckingham Township, Ottawa. Plumbago.	298	e Steatite, from Elmsley, Thunder Cape, Thunder Bay District; J. Smith & Co., Sydenham; D. F. Burke, Port Arthur; Robert Flynn, Mountain Grove.	305
107. Caldwell, W. C., Lanark. Cabinet of granite specimens.	298	f Talc, from Robert Flynn, Mountain Grove; Grimsthorpe, T. W. H. Leavitt, Alpaugh, Robert Flynn, Mountain Grove.	305
108. Calgary Brick Co., Calgary, N. W. T. Brick.	304	g Mica, from W. R. Memberry, Toronto; Lee Bros., Perth; Hart & Manien, Perth; C. A. Matheson, Perth; W. C. Caldwell, Lanark; Smith & Lacey, Sydenham.	305
109. Cirkel, F., East Templeton, P. Q. Asbestos.	307	h Asbestos, from Marmora and Olden, Ottawa Valley and Kaladar.	307
110. Doyle, R. J. Co., Owen Sound. Clay and colors.	304	192. Queens of Lake Girard Mine, Ottawa, Ont. Mica.	304
111. Foxton Bros., Sydenham. Mica.	305	193. Port Arthur Collection.	
112. Free, William, Frankford. Modeling clay.	304	a Graphite from Thunder Bay.	298
113. Gertz, Leonard, Red Deer, N. W. T. Clay.	304	b Pottery clay from Savanne, Nepigon; brick clay from Lyons and Nepigon Wabigon; fire clay from C. P. Railway near Ox Drift Station.	304
114. Glasgow & Montreal Asbestos Co., Black Lake, P. Q. Asbestos.	307	c Mica from Dog Lake, Nepigon Lake, Moose river; steatite from Beaver mine.	305
115. Godfrey W., Godfrey. Mica.	305	d Asbestos from Nepigon.	307
116. Grundy, H., Peterborough. Lithographic stone.	301	194. Powell, M. H., Marmora. Asbestos.	307
117. Haycock, E. B., Ottawa, Ont. Mica.	305	195. Rathbun & Co., Deseronto. Terra cotta bricks.	304
118. Hillman, J., Ottawa, Ont., Mica.	305	196. Rat Portage Collection. Mica, soapstone and steatite.	305
119. Jeffery, W. H., Danville, P. Q. Asbestos.	307	197. Reed, James, Dr., Black Lake, P. Q. Asbestos.	307
120. Johns Asbestos Co., Thetford, P. Q. Asbestos.	307	198. Richardson & Co., Kingston. Graphite.	298
121. Johnson, Henry, Coe Hill. Graphite.	298	200. Russell, J. & C., Renfrew, Ont. Galena.	298
122. Johnson Co., Thetford, P. Q. Asbestos.	307	201. Smith & Lacey, Sydenham. Mica.	305
123. Kidd, W. G., Collection. Mica from Sydenham Lake mine; Sydenham, Frontenac county; Martin's mine, Peterborough county.	305		
124. King Bros., Thetford, P. Q. Asbestos.	307		
125. Lewis Bros. & Co., Montreal. Plumbago crucibles and plumbago.	303		
126. Martin, A., Regina, N. W. T. Brick.	304		
127. Meaney, Lawrence, Eganville. Modeling clay.	304		
128. McGie, Daniel, & Co., Quebec, P. Q. Mica.	305		
129. Murphy, A. H., Black Lake, P. Q. Asbestos.	307		

## Graphite, Asbestos, Limestone, Cements, Salts, Phosphate, Etc. .

Exhibit, No.	Class'n No.
202. Stewart, D. E. K., Madoc. Litho- graphic stone.	301
203. Thetford Asbestos Co., Thetford, P. Q. Asbestos.	307
204. Thompson & Monahan, Toronto. Asbestos.	307
205. United Asbestos Co., Black Lake, P. Q. Asbestos.	307
206. Volney, D. C. W., Marmora. Litho- graphic stone.	301
207. Walker Mining Co., Ottawa, Ont. Graphite.	298
Prepared grades of graphite for every trade use, from coarsest flake to finest powder, a specialty. Only gold medal and decoration legion of honor, Paris Exposition, 1878.	
208. Ward, Ross Co., Thetford, P. Q. Asbestos.	307
209. Watters, D. C., Ottawa, Ont. Mica.	305
210. Wright, E. V., Ottawa, Ont. Galena.	298

## GROUP 47.

211. Albert M'fg Co., Hillsboro, N. B. Gypsum and plaster.	313
212. Carswell, James, Bryson, P. Q. Limestone.	309
213. Dobell, H., & Co., Montreal. Potash and pearlash.	309
214. Dominion Lime Co., Sherbrooke, P. Q. Limestone and lime.	309
215. Garland, Nicholas, Toronto. Gypsum.	313
216. Kidd, W. G., Collection. Gypsum, from Cayuga; Foxton mine, Frontenac county.	313
217. McGregor, Peter, Perth. Hydraulic limestone.	309
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236. McRae, H. Ottawa, Ont. Phosphate.	309
237. Ontario Government Collection. a Mineral water from Caledonia springs, Ottawa.	309
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d Marl from Wm. Feeny, Madoc; W. G. Allan & Sons, Marlbank; Ferry, Madoc.	309
238. Parks, A., Eganville. Marl.	309
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240. Phosphate Lime Co., Montreal. Apatite.	309

## Fertilizers, Phosphates, Copper and its Alloys, Metallurgy of Antimony, History.

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245. St. Maurice Paint Co., St. Maurice, P. Q. Paint.	319

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246. McDougall, John, & Co., Drummondville, P. Q. Bog ore and pig iron.	324

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247. Ahn, R. H., Toronto. Copper ore and copper.	340
248. Anger, J. C., Collection.	
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b Chalcocite.	340
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249. Chamberlain, D. T. F., Toronto. Copper.	340
250. Dewar, R. Copper.	340
251. Dobson & Shaw, Toronto. Copper pyrites.	340
252. Eastis Mining Company, Eastis, P. Q. Copper ore, ingots, bars, electro plates and matte.	340
253. Fogg, S. G., Rat Portage. Native copper.	339
254. Frood, Thomas, Little Current. Copper nickel.	340
255. Guay, A. E., Temiscamingue, P. Q. Copper ore.	340
256. Iace, T. H., Toronto. Copper.	340
257. Jenkins, William, Madoc. Copper pyrites.	340
258. Johnson, Henry, Coe Hill. Copper (sulphate).	340
259. Kidd, W. G., Collection.	
a Copper (dewarite) from Marble Lake, Barrie.	
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c Copper (native) from Beaver mine.	340

260. McWilliams, J. B., Peterborough. Copper pyrites.	340
261. Nichol's Chemical Company, Capleton, P. Q. Copper ore, fertilizers, matte and acid.	340

Exhibit No.	Class'n No.
262. Ontario Government Collection.	
a Copper (native) from Point Mainmainse, Thunder Bay district; Little Current, Algoma district, H. S. Sibley, Detroit, Mich.	339
b Copper (in spar) from Spar Island, Thunder Bay district; copper ore from Spar Island, Lake Superior; Enterprise Mine, Thunder Bay district, Lake; copper pyrites, chalcopryrite, from Silver Lake; Gold Lake; Rainy River, D. F. Burk, Port Arthur; Bruce Mines; Lake Wakabobing, Algoma district; McAllister Mine, Thunder Bay district; township of Chandos, M. H. Powell, Marmora; township of Mayo, county of Hastings; copper nickel matte from Copper Cliff Mine, Canadian Copper Co., Cleveland, Ohio; Lake Matagami, Nipissing district.	340
263. Ontario Silver & Antimony Mining Co., Toronto. Copper ores.	340
264. Port Arthur Collection.	
a Copper (sulphurets).	340
b Copper (native).	339
265. Rothney, Wm., Leeds, P. Q. Copper ore.	340
266. Sibley, H. S., Detroit. Native copper.	339
267. Simmons, Nelson, Echo Bay. Copper ores.	340
267a. Vermilion Mine and Township of Denison. Copper ores from Sudbury district.	340
268. Wiley Collection. Copper ores.	340

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269. Ontario Government Collection. Arsenic, crude and refined, from Deloro mine, Marmora.	358
270. Ontario Silver & Antimony Mining Co., Toronto. Antimony.	356
271. Port Arthur Collection. Antimony from Woodside island and McGregor.	357
272. Reed, James, Reedsdale, P. Q. Antimony.	356

## GROUP 57.

273. Russell, J. & C., Renfrew. Lead.	368
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## GROUP 67.

274. Ontario Government Collection.	
a Photographs.	410
b Serpentine vase.	410
c Report of Royal Commission on the mineral resources of Ontario.	411

## CAPE OF GOOD HOPE.

LOCATION—SEC. 9-25.

Minerals, Ores, Coal, Asbestos, Copper, Sizing Appliances, Etc.

## GROUP 42.

- | Exhib.<br>No. |   | Class'n<br>No. |
|---------------|---|----------------|
| 1.            | Cape Government. Crocidolite in manufactured shapes.  | 291            |
| 2.            | DeBeers Consolidated Mining Co., Kimberley.   |                |
|               | a Diamondiferous blue earth.  |                |
|               | b Diamonds in the matrix.   |                |
|               | c Diamonds in the rough: Crystals, bywaters, light yellow, yellow, spotted stones, cleavages, yellow cleavages, maccles, firm yellow, dark yellow, brown, light brown, white stones, black speculated block, white spotted stones, white maccles, white cleavage, green crystals, white flats, green stones, orange cleavage, pink flats, brown stones, shot board, regular shapes. | 291            |
| 3.            | Hahn, Prof., Cape Town. Collection of 243 mineral specimens found south of the Zambesi river.   | 290            |
| 4.            | Weinthal, F., Griquatown. Crocidolite.  | 290            |

## GROUP 43.

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|----|---|-----|
| 5. | Cyfergat Mining Co. Ltd., Barghersdorp. Coal. | 292 |
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## GROUP 46.

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| 6. | Weinthal, F., Griquatown. White and blue asbestos. | 307 |
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## GROUP 51.

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|----|---|-----|
| 7. | Cape Copper Mining Co., Namaqualand. Copper ores. | 340 |
|----|---|-----|

## GROUP 65.

- | Exhibit<br>No. |   | Class'n<br>No. |
|----------------|---|----------------|
| 8.             | DeBeers Consolidated Mining Co. Kimberley. Diamond washing and sizing machinery—Elevators, washing-hopper, pulsator sieves, gravitating sieves, sorting tables. |                |

## GROUP 67.

- |    |   |  |
|----|---|--|
| 9. | Cape Government.  |  |
|    | a Photographs of early and of improved methods of diamond mining. |  |
|    | b Photographs of Kimberley and of diamond mines of the Cape.      |  |

## GROUP 68A.

(The following exhibit of diamonds, the processes of cutting, setting and polishing, can be seen in the lapidarist's shop located in the Cape of Good Hope section.)

10. Tiffany & Co., New York City.

Process No. 1—Cutting of diamonds by hand and by machine. Process No. 2—Setting of diamonds, apparatus and method. Process No. 3—Polishing of diamonds upon cast iron discs, making 2,500 revolutions per minute. Exhibit of cut and polished diamonds.

- |                              |                                   |
|------------------------------|-----------------------------------|
| a                            | Match pairs, 7½ carats.           |
| b                            | Match pairs, 5½ carats.           |
| c                            | 20 brilliants, 51½ carats in all. |
| All "extra fine Cape white." |                                   |

# CHILI.

LOCATION—SEC. D, 31.

Ores, Nitrate, Copper, History.

## GROUP 42.

Exhibit No.	Class'n No.
1. Nitrate Combination, Iquique. ores.	Silver 291
12. San Roman, S. J., Santiago. silver ores.	Gold and silver 291

## GROUP 48.

2. Nitrate Combination, Iquique. Nitrate of soda and iodine.	Ni- 315
3. Nitrate of soda.	315

## GROUP 51.

Exhibit No.	Class'n No.
4. Nitrate Combination.	Copper ores. 340

## GROUP 67.

5. Model of nitrate works.	410
6. Nitrate Combination, Iquique. Model of nitrate of soda works.	410

# ECUADOR.

LOCATION—SEC. A, 28.

Minerals, Ores, Mineral Combustibles, Building Stones, Clays, Sulphates.

## GROUP 42.

Exhibit No.	Class'n No.
1. Arizaga, M. N., Guayaquil. Placer mining.	290
2. Caamario, J. M. P., Guayaquil. Placer mining.	290
3. Caamario, J. M. P. & Villavieja. Guayaquil. Placer mining.	290
4. Canadas, Aurelio, Latacunga. Carbonate of calcium, sexquioxide of iron and calcareous lime.	290
5. Chambers, Jorge, Guayaquil. Gold and silver quartz.	290
5a. Collection of ores and associated minerals.	291
6. English Co., Zaruma. Gold and silver quartz.	290
7. Gallardo, A. L., Guayaquil. Several mineral (samples).	290
8. Government of Ecuador, Eoro. Quartz with arsenic, quartz oxidized with native gold, quartz with native copper, quartz with sulphur.	290
9. Government of Ecuador, Quito. Nitre, chalk and sulphate of lime.	290
10. Lanz, Juan P., Quito. Lapis stone.	290

Exhibit No.	Class'n No.
11. Municipality, Zaruma. Gold and silver quartz.	290
12. Pilshun Mine, Canar. Several silver quartz (samples).	290
13. Velasio, J. Alejandrino Quito. Quartz with gold pyrites.	290

## GROUP 43.

14. Dillon, Napoleon H., Quito. Petroleum.	294
15. Government of Ecuador, Sanetelma. Coal and bitumen.	292

## GROUP 44.

16. Government of Ecuador, Canar. Marbles, granites and basaltes.	296
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## GROUP 46.

17. Canadas, Aurelio, Latacunga. Potter's clay and kaolin.	304
18. Pilshun Mine, Canar. Refractory argil.	304

## GROUP 48.

19. Government of Ecuador, Ibarra. and sulphates.	
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## FRANCE.

## LOCATION—SEC. G, 6.

Ores, Building Stones, Grindstones, Cement, Sulphur, Iron and Steel, etc.

## GROUP 42.

- | Exhibit No. |   | Class'n No. |
|-------------|---|-------------|
| 1.          | Compagnie Francaise des Mines du Laurium, Paris. Samples of various ores.       | 291         |
| 2.          | Societe Havraise de Nickel pur, au Havre. Ores, nickel, etc.                    | 291         |
| 3.          | Societe "Le Nickel," Paris. Ores.   | 291         |
| 4.          | Societe Miniere du Sud-Ouest, Cuzorn (Lot-et-Garonne). Various samples of ores. | 291         |

## GROUP 44.

- |    |  |     |
|----|--|-----|
| 5. | Civet, Crouet-Gauthier et Cie, Paris. Building stones.                     | 296 |
| 6. | Commission des Ardoisieres d'Angers, Paris. Samples of slate and drawings. | 296 |

## GROUP 45.

- |    |   |     |
|----|---|-----|
| 7. | Fortin, Paul-V., Paris. Samples of emery, grindstones and whetstones.                                 | 297 |
| 8. | Martine, Eugene, fils aine, Fontenay-aux-Roses (Seine). Sand for casting copper, bronze, silver, etc. | 297 |

## GROUP 46.

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|----|--|-----|
| 9. | Societe des Produits Ceramiques de Boulogne-sur-Mer, Paris. Specimens of ceramic manufactures. | 304 |
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## GROUP 47.

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|-----|--|-----|
| 10. | Cambier, Ernest et Cie., Pont-a-Vendin.  |     |
|     | a Samples of cement.   | 309 |
|     | b Cement bricks.   | 311 |
| 11. | Compagnie Generale des Asphaltes de France, Paris. Samples of asphalt, and products.                   | 312 |
| 12. | Societe de Ciments Francais et des Portland, Boulogne-sur-Mer. Samples of cements, raw materials, etc. | 309 |
| 13. | Societe des Mines d'Asphalte de Servas, Aar (Guard). Natural bitumen, manufactured mastic.             | 311 |

## GROUP 48.

- | Exhibit No. |  | Class'n No. |
|-------------|--|-------------|
| 14.         | Boude, A., et fils, Marseilles (Bouches-du-Rhone). Sulphur, sulphur ore.   | 31          |
| 15.         | Fedit et Cie, Paris. Compressed vichy.   | 32          |
| 16.         | Societe Anonyme des Produits Chimiques et Soudiere de la Meurthe, Nancy (Meurthe-et-Moselle). Samples of sulphates, bi-sulphates, etc. | 33          |

## GROUP 49.

- |     |  |    |
|-----|--|----|
| 17. | Schneider et Cie, au Creusot (Saone-et-Loire).                                     |    |
|     | a Nickel steel.  | 33 |
|     | b Cast steel, sheet iron.  | 33 |
| 18. | Simon, Charles, Bordeaux. Samples of manganese.                                    | 33 |
| 19. | Societe Anonyme des fers et Aciers, Robert, Paris. Objects cast in iron and steel. | 33 |
| 20. | Teste fils, Pichat, Moret et Cie, Lyons (Rhone). Needle draw-wire metallic wires.  | 33 |

## GROUP 50.

- |     |  |  |
|-----|--|--|
| 21. | Bernard freres, Myrthil et Fils, Paris. Aluminum in ingots and sheets. |  |
|-----|--|--|

## GROUP 51.

- |     |  |  |
|-----|--|--|
| 22. | Bar, Jean-V., Rantigny (Oise). Copper foil for buttons, etc. |  |
|-----|--|--|

## GROUP 52.

- |     |   |  |
|-----|---|--|
| 23. | Bertrand, P. H., Paris-Grenelle. Electrically-tinned cast-iron. |  |
|-----|---|--|

## GROUP 53.

- |     |                                  |  |
|-----|----------------------------------|--|
| 24. | Societe "Le Nickel," Paris.      |  |
|     | a Pigs, matts, oxides of nickel. |  |
|     | b Refined nickel.                |  |

## GROUP 55.

- |     |  |  |
|-----|--|--|
| 25. | Bar, Jean-V., Rantigny (Oise). Steel leaf. |  |
|-----|--|--|

Lead, Quarrying, Apparatus used in Mining, Assaying Apparatus, History.

**GROUP 57.**

Exhibit No.	Class'n No.
26. Compagnie Francaise des Mines du Laurium, Paris. Pigs of argentiferous lead.	368

**GROUP 58.**

27. Commission des ardoisieres d'Angers, Paris. Metallic cables.	371
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**GROUP 62.**

28. Schneider et Cie, au Creusot (Saone- et-Loire). Machines and air compressors for mines. (Dept. F.)	
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**GROUP 66.**

Exhibit No.	Class'n No.
29. Goyard, Arsene-G., Paris. Crucibles, muffles, furnaces, etc.	404

**GROUP 67.**

30. Comite Central des Houilleres de France, Paris.	
a Atlas.	410
b Publications of the committee.	411
31. Schneider, Paul, Paris. Maps of the French coal strata of the Nord and Pas- de-Calais; diagrams, drawings.	410
32. Societe de l'Industrie Minerale, Saint- Etienne (Loire), Ecole des mines. Pub- lications of the society.	411

**GERMANY.****LOCATION—SEC. G, 20.**

Minerals, Ores, Mineral Combustibles, Building Stones.

**GROUP 42.**

Exhibit No.	Class'n No.
1. Ebersberger, Fritz, Eichstaedt. Col- lection of petrefactions.	291
2. German Gold and Silver Smelting Es- tablishment, formerly Roessler, Frank- fort-on-the-Main. Ore, metals.	291
2. Maximilianshuetten, Unterwellenborn. Ore, manganese, crude iron.	291
3. Mayer, Martin, Mayence. Garnets.	291
4. Urbaneck, Joh., & Co., Frankfurt-on- the-Main. Rough and cut diamonds.	291
4a. Royal Bureau of Mines, Clausthal. Collection of the Upper Hartz, lead, cop- per and silver ores.	291
5. Royal Prussian Mining Bureau and Management of the Brunswick-Lueneburg Mines at Clausthal. Collection of ores.	291
5a. Royal Prussian & Ducal Brunswickian. Management of the Lower Hartz Mines, Braunschweig. Collection of the Lower Hartz lead, copper, zinc and silver ores.	291
5b. Syndicate of Siegerland Iron Works, Siegen. Collection of iron and manganese ores.	291

**GROUP 43.**

3. Directory of the Royal Mines at Saar- brücken. Coal samples, geognostic samples of the Saarbrücken. Strata.	292
4. Heymann, H., Danzig. Amber goods.	293

Exhibit No.	Class'n No.
6a. Iron Foundry & Manufacture of Ma- chinery, Zeitz. Samples of compressed lignite briquettes.	293
6b. Management of the Royal Coal Mine, Königin Luise Zabrze (Upper Silesia). Samples of coal.	292
7. Ruetgers, Rud., Berlin. Coal tar prod- ucts.	293
9. Spiecker, Bonn. Alloy for the manu- facture of pressed coal.	292
9a. Spiecker & Hüttemann, Bonn & Kasbizi. Samples of coal briquettes and raw material.	292
9b. Syndicate of the Saxo-Thuringian Paraffin Works, Halle Saale. Samples of raw lignite, intermediate and finished product, paraffin, oils, candles, diagrams of the processes.	292
9c. Syndicate of the Westphalian Coal Mines, Bochum. Samples of coal, coke and derived products.	292
10. Stantien & Becker, Koenigsberg i-Pr. Amber.	293

**GROUP 44.**

12. Aktiengesellschaft fuer Marmor- industrie, Kiefersfelden. Marble.	
13. Lange, Theodor, Brieg. Slate.	
14. Retsch & Co., Wunriedel. Dolomi	

## Polishing Substances, Cements and Artificial Stone, Salts, Sulphur, Iron and Steel

- | Exhibit No.  | Class'n No. |
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| 15. Wimmel, P., & Co., Berlin. Building stones, sculptures, real sandstone portal. | 296         |

## GROUP 45.

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| 16. Glafy, G. A., Nuremberg. Polishing powder                         | 297 |
| 17. Heck, Adam, Breslau. Emery, emery wheels.                         | 297 |
| 18. Zinndorf, J., Baumbach, near Coblenz. Emery stones, emery wheels. | 297 |

## GROUP 46.

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|--|-----|
| 18a. Custodis, Alphons, Duesseldorf. Hollow segmental bricks for stacks. Complete stack at Krupp Pavilion. | 305 |
| 19. Ludovici, Carl, Ludwigshafen-on-the-Rhine. Tiles.  | 304 |
| 20. Seger, Dr. H., & Kramer, E., Berlin. Clay ware, ceramic literature.                                    | 304 |
| 20a. Wertheim, Louis, Frankfort-on-the-Main. Asbestos goods.   | 307 |

## GROUP 47.

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|---|-----|
| 21. Alsen, Hamburg. Cement in process of manufacture.   | 300 |
| 22. Brasch & Rothenstein, Berlin. Stairway of artificial stone.   | 311 |
| 23. Bunzlauer Glassworks, Carlswek-Bunzlau. Artificial stone mixtures.  | 311 |
| 24. Ehrhardt Bros., Neunkirchen. Rock cement and process of manufacture.  | 309 |
| 25. Eugen, Katter & Co., Berlin. Cement monument.   | 309 |
| 26. International Sandstone Foundry, Bloemendahl & Gruenberg, Berlin. Artificial sandstone, building blocks, ornaments. | 311 |
| 27. Industriewerke Aktiengesellschaft, Landsberg-Bavaria. Stone imitations.   | 311 |
| 27a. Mansfeld Copper Mines, Eisleben. Artificial stones for pavements from Scorja.                                      | 311 |
| 28. Portland Cement Works, Heidelberg.  |     |
| a Cement and specimens.   | 309 |
| b Portal of artificial sandstone.   | 311 |
| 29. Portland Cement Works "Germania," Lehrte.   |     |
| a Raw material and specimens  | 309 |
| b Beton mixture.  | 310 |
| 30. Porth Bros., Schwabing. Figures of artificial stone.  | 311 |

## GROUP 48.

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|---|-------------|
| 31. Eichhorn, K., Berlin. Drawings of the process of the manufacture of sulphuric acid. | Dept. G 317 |
| 32. Grossharzogel, Hessische Saline und Bad., Theodorshalle. Brine and products, etc.   | Dept. A 314 |
| 33. Kgl. Salzamt, Schoenebeck. Salt products and models.                                | 314         |

- | Exhibit No.  | Class'n No.  |
|--|--------------|
| 33a. Management of the Royal Works at Schönebeck, Elbe. Collection of table salts.     |              |
| 33b. Syndicate of the Stassfurt-Leopold Hall Kali (Potassium) Works, Stassfurt.        |              |
| a Raw and manufactured salts of potassium mines.                                       |              |
| b Boracite.  |              |
| c Samples of the potassium fertilizing salts.  |              |
| 34. Verkaufs-Syndikat der Kaliwerke Leopoldshall-Hassfurt. Raw and manufactured salts. | Depts. A & E |

## GROUP 49.

- |  |        |
|--|--------|
| 35. Association for the sale of Siegerländer Siegen.   |        |
| a Iron ore.  |        |
| b Spiegeleisen.  |        |
| 35a. Deutsch-Oesterreichische Mann-Rohr Werke, and Berlin. Seamless Mannesmann pipes for artesian wells, oil wells, etc.     | L-K-32 |
| 35b. Fitzer, W. Laurahütte, Obersilesia, Prussia. Samples of welded (iron tanks, pipes, boilers, buoys, etc.).               |        |
| 36. Friedrichsgrube Kgl. and Friedrichshütte, Tarnowitz-Silesia. Products of ores of lead and zinc.                          |        |
| 37. Fuchs, Joh. Woffg., Nuremberg. Wires of brass, steel, etc.   |        |
| 38. Gute Hoffnungshütte, Oberhausen. Iron and steel products.  |        |
| 39. Hoeveler & Dieckhaus, Papenburg. Anti-friction metals.   |        |
| Of every description. Representative Wertheim, rooms 403 and 404 Omaha Building, Chicago. Also London, England.              |        |
| 40. Huettlinger, Joh., Bernh., Schwab-Bavaria. Wire.   |        |
| 41. Iron Works of Stumm Bros. & R. Böcking & Co., Neunkirchen and Freybergerhütte. Articles made of iron pipes; steel rails. |        |
| 41a. Iron Works at Lauchhammer. Figures and portraits in relief, decorative objects.   |        |
| 42. Krupp, Friedr., Essen. Cast pressed steel.   |        |
| 43. Mannstaedt, L. & Co., Kalk. Ornamental iron and steel (mouldings).   |        |
| 44. Spring Steel M'fg Co., Camel.  |        |
| 44a. Syndicate of the Siegerländer Works, Siegen.  |        |
| a Samples of spiegeleisen and ores.  |        |
| b Samples of manganese iron.   |        |
| 44b. Tohang, Heinrich, Lobberich-Land. Steel wire.   |        |

## Aluminum and its Alloys, Copper, Metallurgy of Nickel, Extraction of Gold, Etc.

Exhibit No. Class'n No.  
 51. Union Stock Co. for Mining Iron & Steel, Dortmund. Products of iron and steel, etc. 334

## GROUP 50.

50. Deutsch-Oesterreichische Mannesmann-Rohr Werke, Berlin. Seamless Mannesmann pipes of aluminum and alloys for gas fixtures, artistic work, etc. L-K-83 335

50. German-Austrian Mannesmann Tube Works, Berlin. Mannesmann pipes of aluminum and alloy. K-81 335

## GROUP 51.

51. Mansfeld Copper Mines, Eisleben. Collection of copper ores; petrifications. 340

51. Mansfeld Copper Slate Co., Mansfeld. 340

51. Raw copper. 339

51. Smelting process and products. 340

51. Specimens, etc. 342

51. Mansfeld Copper Works, Eisleben. 340

51. Collection of raw, intermediate and finished materials; specimens illustrating pipe strength and flexibility of electro-copper; diagram of the smelting processes. 340

51. Management of the Royal Prussian and Ducal Mines and Foundries of Brunswick, Oker-Juliushuette-Rammelsberg near Goslar. 340

51. Raw copper. 339

51. Manufactured products. 342

51. Royal Bureau of Mines, Clausthal. 340

51. Samples of raw, intermediate and finished materials; models of dressing apparatus and smelting furnaces; diagrams of the processes. 340

51. Royal Prussian & Ducal Brunswickian Management of the Lower Hartz Mines, Braunschweig. Samples of raw and finished products, of electrolytic copper; models and drawings of different furnaces; diagrams of the processes. 340

## GROUP 53.

53. Basse & Selve, Altena-Westphalia. Nickel and cobalt products. 330

53. Heile, Wilhelm, Oberhausen, a-d-R. Products. 348

53. Management of the Royal Mines at Tarnowitz (Upper Silesia). Specimens of ores. 349

53. Royal Prussian & Ducal Brunswickian Management of the Lower Hartz Mines, Braunschweig. Samples of sulphate of iron and copper; methods of working the sulphates. 349

## GROUP 57.

Exhibit No. Class'n No.

52. German Gold and Silver Smelting Establishment, Frankfort-on-the-Main. Models, plans and chemicals. 367

52a. Management of the Royal Mines & Smelting Houses at Tarnowitz (Upper Silesia). Samples of raw zinc, lead and silver ores, of intermediate and finished products with diagram of the processes; drawings of the appliances. 367

52b. Mansfeld Copper Works, Eisleben. Specimens of raw and intermediate gold and silver carrying products. 367

53. Maschinenbau Anstalt, "Humboldt," Kalk near Cologne. Ore concentrating plant. 367

53a. Royal Bureau of Mines at Clausthal. Specimens of raw, intermediate and finished gold, silver and lead ores and products thereof; appliances for dressing and smelting; diagrams of the processes. 367

53b. Royal Prussian & Ducal Brunswickian Management of the Lower Hartz Mines, Braunschweig. Samples of gold and silver bearing, lead and copper ores, models, drawings of appliances, diagrams of the processes. 367

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53c. German-Austrian Mannesmann Tube Works, Berlin. Seamless pipes for conveying water. K-81 376

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54a. Hall, Henry, successor to Carl Eichler at Berlin. Working of shafts in quick-sands. 379

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54c. Management of the Royal Saarbrücker Mines. Three models of the working and timbering at the Royal mines, and two models of shafts constructed of iron. 379

54d. Management of the Royal Saltworks, Stassfurt. Model of working of the potassium salts. 379

54e. Royal Academy of Technology at Aachen. Models of the most used fans, collection of safety lamps, tables for dressing ores. 380

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| b Model of a canal plant for carrying the ores underground. | 380         |
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| 54m. Hall, Henry, successor to Carl Eichler at Berlin. Two models of driving shafts through quicksands.  |  |
| 54n. Heckel, Georgs, Saarbrücken. Pyramid of cables, that are used for mining at Saarbrücken.  |  |
| 55. Heckel Bros., Saarbrücken. Cable.  |  |
| 55a. Management of the Royal Coal Mine, Königin Luise, Upper Silesia. Model of the hoisting plant at the Schonaich shaft with newest improvements and model of an ambulance truck for hurt miners. |  |
| 55c. Royal Academy of Technology, Aachen. Model of implements of hoisting plant; models of dams and pumps.   |  |
| 55d. Royal Bureau of Mines at Clausthal. Model of hoisting engine and water-power pump at the Ottilie shaft and man-engine of Kaiser Wilhelm shaft.  |  |
| 55e. Royal Coal Mines at Saarbrücken. Model of the hoisting plant at the Heinitz coal mine.  |  |

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## GROUP 64.

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| Crushing machinery of every description stone breakers, ball mills, roller mills, etc. Complete crushing plant for purposes; special apparatus for dressing ores and slimes. See exhibit in Machinery Hall. |             |
| 55k. Royal Academy of Technology at Aachen. Models of different crushing dressing appliances.   |             |
| 55l. Royal Bureau of Mines at Clausthal. Models of the dressing apparatus for use.  |             |
| 55m. Royal Salt Works at Schöneberg. Model of the table-salt plant, and drawings thereof and model of salt drying contrivance.  |             |
| 55n. Syndicate of the Saxo-Thuringian Paraffin Works. Diagram of paraffin manufacture.  |             |

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| 57. Otto, Dr. C. & Co., Dahlhausen. Furnaces, etc.   | Dept. 6 |
| 57a. Rothe, Chemist, Berlin. Process of separating iron from manganese, cobalt, copper, etc.                 |         |
| 57b. Royal Management of the Saxo-Thuringian coal mines. Plant for testing explosions on coal dust and fire. |         |
| 58. Stettiner Chamottefabrik. Aluminous sellschaff vorm. Didier, Stettin. of furnaces.                       |         |

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| 59. Association for the sale of laender spiegeleisen, Siegen. Maps of the Upper Silesian coal   |  |
| 60. Berg-Inspection, Kgl. Zabr.   |  |
| 60a. Bruthaupt, F. W., Cassel. Instruments.   |  |
| 60b. Crantz, Bonn. Set of crystal specimens in wood.  |  |
| 61. Deseniss, F. H. & Jacobi, Eschweiler. Graphic and statistical well drilling.  |  |
| 61a. Deutsch-Oesterreichische Mannesmann-Röhr Werke, Berlin. Section position of Mannesmann system rolling steel tubes out of solid blocks. |  |
| 61b. Fenner, Dr., Aachen. Test apparatus for dipping needle.  |  |
| 62. Hall, Henry, Berlin. Drawings of the brown coal industry.   |  |
| 62a. Hoffmann, A., Clausthal. Instruments.  |  |

## History and Literature of Mining and Metallurgy.

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Karl, Hon. Bruno, Privy Councillor, cause on metallurgy.	412	67. Royal Mining Bureau, Breslau. Maps and drawings of the Silesian coal district.	410
Maschinenfabrik und Eisengiesserei, Models, etc., of a plant for the manufacture of pressed coal.	410	68. Royal Mining Bureau, Mining School, Halle, a. d. S. and Eisleben. Map and models of the brown coal district.	410
Mining Division of the Technical High School, Aachen.	410	68a. Royal Ministry of Industry and Commerce.	
Models.	410	a Graphical representation of the German mining production.	410
Publications.	411	b Periodicals of the Royal Mining Service for the last fifteen years; report of the royal commission on fire-damp explosions.	412
Rich. Kgl. tech. Versuchsanstalt, Potsdam, near Berlin. Reports.	411	69. Royal National Mining Academy, and Geological Survey, Berlin. Maps, reliefs and publications of the survey of the country.	412
Schlesischer, Berg & Hüttenmännischer Verein, Kattowitz. Periodicals and society; publications of the fifth congress of German mining engineers.	412	70. Royal Prussian Mining Bureau and Management of the Brunswick-Lüneburg mines, Clausthal. Representation of the ore district of the Heez mountains.	410
Royal Academy of Mining, Clausthal. Lectures of the instructors. Model of Clausthal and Rammelsberger ore mines.	412	71. Royal Prussian Ministry of Commerce and Trade, Berlin.	
Royal Academy of Technology, Berlin. Geological models, publications of instructors in the college.	412	a Representation of the gold value of the mining products of Germany.	410
Royal Bureau of Mines at Bonn. Mines of the Siegen and Lahn-Dill ore district.	410	b Mining publications.	411
Royal Bureau of Mines at Breslau. Mines of the Upper Silesia coal district; maps showing the increase of coal production in the world.	410	c Model of a drill tower.	412
Royal Bureau of Mines at Clausthal. Maps and sections of the Hartz district; diagrams, drawings and photographs from the mines; model of the water-power distribution plant of the Hartz mines.	410	72. Salzamt, Kgl., Stassfurt. Model of the royal alkaloid salt mine.	410
Collection of surveying instruments and drawings of both ancient and modern times.	412	73. Salzamt, Kgl., Schoenebeck. Model and drawing of salt mining.	410
Royal Bureau of Mines at Halle. Mines of the lignite district of Northern Germany.	410	74. Stettner, Jos., Freiberg i-Saxony. Library works on mining and metallurgy.	411
Royal Geological Survey at Berlin. Reliefs of the Hartz, Thuringia, Jena and Salz-brunn.	410	74a. Syndicate of the Westfalian Coal Mines, Bochum. Maps of the Westfalian coal district; graphical tables showing development of mining and the range of the aiding societies.	410
Charts and scientific publications.	411	74b. Vereinigungs Gesellschaft für Steinkohlenbergbau im Worm Revier. Maps of the Aachen coal district.	410
Coal Management of the Königin Luise mine in Upper Silesia. Map of Königin Luise coal field; drawings and photographs of the mine; graphical plan of the development of the mine since 1791.	410	75. Vereinigungs - Gesellschaft, Kohlscheid, near Aachen. Map of the Aachen coal district.	410
Coal Management of the Saarbrücken mines. Maps of the Saarbrücken mines with sections; drawings showing development of the mines and the line of trade, etc.	410	76. Westfälische Berggewerkschaftskasse, Bochum. Statistics and stratum chart of the Ruhr coal basin.	410
Coal Mines and Mining Directory, Prussia. Maps of the Saarbrücken district.	410	77. Zeichnungs Kommission der "Huette," Technische Hochschule, Berlin. Drawings of mines.	Dept. G 410
		Exhibits Classified in Other Departments but Installed in This.	
		DEPARTMENT H.	
		GROUP 118.	
		78. Weissmann, J. G., Schweinau near Nuremberg. Horse shoes and shoed hoofs.	746

## GREAT BRITAIN.

LOCATION—SEC. 6, 16.

Collection of Minerals.

## GROUP 42.

Exhibit  
No.Class'n  
No.

## 1. Collection of Economic Minerals.

Alum stone from J. H. Cookson & Son; bauxite and alum clay from County Antrim, Ireland; alum shale from Park Hill colliery, Wakefield; antimony ore, from Dumfriesshire, Scotland; arsenical pyrites from New Cook's Kitchen and Levant mines, Cornwall, and Devon Great Consols mine, Tavistock; barytes from Wotherton and Snailbeach mines, Shropshire, Mawston mine, Derbyshire, Dromore mine, Bantry, Ireland, Glendale mine, County Lenthim, Ireland, Devonshire Baryta Chemical Company, Bridford; witherite from the Snailbeach mine, Shropshire, and Old Gang Lead mine, Swaledale; clays from Wareham, Dorsetshire, Torrington, Devon, Rough Lee colliery, Newton Abbot, Devonshire, Stourbridge, and the Woodville district; coal from South Staffordshire, Yorkley, Dan's Drift Colliery, Trenchard seam, Robin Hood and Old Roundwood collieries, Wakefield, Manor colliery, collieries north of England and United National collieries, Cardiff; anthracite from Gwaun Cae Gurwen colliery, Swansea, South Wales; cannel coal from Flintshire; cobalt and asbolane from Foel Hiraddug mine, North Wales; copper ore from Coniston, Lancashire, Wheal Uny and New Cook's Kitchen mine, Cornwall, Mona and Parys mines, Anglesea, North Wales, Devon Great Consols mine, Tavistock, Laxey mine, Isle of Man and East Pool mine, Cornwall; flint from Brandon, Suffolk; tinting pigments presented by R. J. Snave and Mrs. W. Weller, Foley of Brandon and from Sarran Dorham; floor spar from Costello, Derbyshire; New Cook's Kitchen mine, Cornwall; fuller's earth from Mr. H. N. Garrett, Midford; gold ore and auriferous quartz from the Morgab gold mine, North Wales; gypsum from Sud-Wearden Foring Company and Vale of Belvoir and Newark Plaster Company; iron ore from G. & A. Park Mining Company, Egrement, Midland Company's mines at Frodingham, Lincolnshire.

Exhibit  
No.

Park Iron mines, Hodbarrow Mining pany, Millom, Cumberland, the Iron mines, Regil Mining Company, Wilt Northamptonshire and Antrim Iron Company; iron pyrites from Cae mine, North Wales, Cronebane and roney mines, Wicklow, Ireland; jet Whitby, Yorkshire; lead ore from beach mine, Shropshire, Mawston Derbyshire, Milwr Mining Company, Holywell, Flintshire, South Shropshire, Coniston Mining Syndicate, Ltd., cashire, Rushen mine, Isle of Man, Darren mine, Cardiganshire, Old lead mines, Swaledale, Halkyn North Wales, North Wales Lead Ltd., Unity Wood mine, Coniston, Great Laxey mine, Minera mine, ham, Foxdale mine, Van mine, Llan North Wales and Rushen mine, Man; lignite from Bovey Tracey, shire; manganese ore from Benallt Rhiw, Llyndywarthen mine, H North Wales, Merionethshire, Uchaf mine, Llanbedr, Merioneth Dyffry Mining Company, Merionethshire and Moelfre mine, near mouth, North Wales; ochre from haue and Tigroney mines, W Ireland, Mona and Parys mines, North Wales and Regil Mining Company, Winford; oil shale from Braxbur land, Drumshoreland and Broxburn petroleum from Southgate colliery byshire; phosphates from Camshire, Bedfordshire, Norfolk and Crag formation; fossils from the beds; salt from Salt Union, Ltd., ford, Cheshire and United Alkali Company, Ltd., Hebburn-on-Tyne; slate Oakeley Slate Quarries Company, Blaenau Ffestiniog, North Wales, Llechwedd Quarry, Blaenau Ffestiniog, stone from Blue Stone quarries Wakefield, South Staffordshire and Stone Firms, Ltd., Bath; strontianite, Yate, Gloucestershire; celestine, Regil Mining Company, Winford from Cornish, Flat Lode, Wharfedale, Gossan, Silver Lode, North D

## Minerals, Mineral Combustibles, Building Stones, Grinding Substances, Clays, Etc.

Exhibit No.	Class's No.	Exhibit No.	Class's No.
Levant mine, Cornwall, Carn Brea mine, Dolcoath mine, Cook's Kitchen mine, East Pool mine, Tincroft mine, Wheal Kitty, Tregurtha mine, South Condurrow mine, Cornwall, East Pool mine, Wheal Dorothy, Cornwall and Highburrow and Teague's lodes, Carn Brea mines; uranium ore from the Uranium mine, Granpound Road, Cornwall, Wolfham, East Pool mine, Cornwall; zinc ore from Mawson mine, Derbyshire, Treacstell mine, Conway, Milwr Mining Company, Ltd., Flintshire, North Wales, Old Milwr shaft, Halkyn mines, North Wales, New Minera mine, Wrexham and Talacre mines, Holywell, North Wales, and blende from Moelwyn, near Festiniog, Mona and Parys mines, Anglesea, Great Laxey Mining Company, Ltd., Isle of Man, Minera mine, Wrexham and Van mine, Llanidloes, North Wales.	290	9b. Pettigrew, Thos., County Meath, Ireland. Stone monuments.	296
J. Johnston, Matthey, & Co., Ltd., London. Platinum and other precious metals.	290	<b>GROUP 45.</b>	
A. Low Moor Co., Ltd., near Bradford, Yorkshire. Ironstone.	291	10. Beckmann & Co., London. Emery wheels, slabs, files and hones.	297
Mysore, State of. Precious stones, gold ore.	291	11. Flynn, Thomas M. H., & Co., Bessbrook, Ireland. Granite rollers and tables for grinding.	297
<b>GROUP 43.</b>		<b>GROUP 46.</b>	
Cary Bros., & Co., Cardiff, South Wales. Smokeless steam coal.	292	14. British Fuller's Earth Company, Ltd., Woburn Sands. Fuller's earth.	304
Crown Preserved Coal Company, Cardiff, South Wales. Fuel in blocks.	292	15. Farnley Iron Company, Ltd., Leeds. Fire clay; glazed bricks; porcelain baths.	304
A. Low Moor Co., Ltd., near Bradford, Yorkshire. Coal.	292	16. Fuller's Earth Mining Company, Ltd., Woburn Sands. Fuller's earth.	304
North's Navigation Collieries, Ltd., Cardiff, South Wales. Steam coal and coke.	292	17. Fuller's Earth Union, Ltd., London. Fuller's earth.	304
Turner, William & John, Wigan. Cannel coal.	292	17a. Garrett, H. N., Bath. Fuller's earth.	304
Jack of New Abram Cannel from the Wigan Junction Colliery, weighing 11 tons, cwt., and containing 350 cubic feet, calculated to yield 182,344 cubic feet of gas of 4 candles, equal to 25,469 lbs. of sperm.	292	18. Lower Lonsdale China Clay Company, Cornwall. China clays.	304
<b>GROUP 44.</b>		19. Martin Bros., Plymouth. Clay and firebricks.	304
Dean, John, Liverpool. Slate slab.	296	19a. Mysore, State of. Mica.	305
Farmer & Brindley, London. Egyptian porphyry.	296	19b. Morgan Crucible Co., Battersea, London. Crucibles.	303
Flynn, Thomas M. H., & Co., Bessbrook, Ireland. Granite curbing, paving blocks and slabs, monuments and borders, rollers and tables.	296	20. Nixey, W. G., London. Black lead, knife polish, flour emery, plumbago, stove polish.	302
Llanvyrhafon Slate Quarry Co., Carmarthen, North Wales. Roofing slates.	296	21. Price, R. J. Lloyd, Rhinwlas, Bala, North Wales. Granular and powdered earth.	304
		Agents, Hamil and Gillespie, New York.	
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		23a. East Anglian Cement Co., Cambridge. Cement.	309
		24. Francis & Co., Ltd., London. Cement; whitening; work in cement.	309
		25. Gibbs & Co., Ltd., Grays. Portland cement.	309
		27. Irish Portland Cement & Brick Co., Ltd., Dublin, Ireland.	
		a Limestone and shale; Portland cement.	309
		b Bricks and tiles.	311
		28. Patent Adamant Stone Company, Ltd., London. Artificial building and paving stone.	311
		28a. Standard Cement Co., Cambridge, England. Cement, etc.	309

## Salts, Iron and Steel, Platinum, Milling Tools and Appliances, History.

## GROUP 48.

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Salt.	314
30. Higgins, Thomas, & Co., Liverpool.	314
Salt.	314
31. Salt Union, Ltd., London. White and rock salts.	314

## GROUP 49.

32. Farnley Iron Company, Ltd., Leeds.	334
Iron.	334
33. Jessop, William, & Sons, Ltd., Sheffield. Steel.	334
Manufacturers of steel for every known purpose. For pens, circular and other saws, architectural works, and machinists' tools. Don't fail to inspect our exhibit. Also offices, New York, U. S. A.	
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a Ironstone.	322
b Pig, refined, puddled and finished iron.	324
c Bars, rivets, axles, plates, rods, etc.	334

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## GROUP 55.

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## GROUP 60.

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39. Curtiss & Harvey, London. Powder blasting.	368

## GROUP 64.

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Railways, Railway Plant and Equipment	
42. Low Moor Co., Ltd., near Bradford. Axles, fire boxes, domes and other locomotive engine fittings	56

## GREECE.

LOCATION--SEC. B, 27.

Minerals, Coal, Marble, Polishing Substances, Cements, Salts, Etc.

## GROUP 42.

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2. French Society of Mines of Laurium, Athens. Raw and finished products from mines.	291
3. Greek Government, Ministry of Finance. Barytine from Melos.	291
4. Greek Metallurgical Co., Laurium. Ancient land scories, scories sea bryssakia, scories conglomerated, sea scories with lead and litharge, scories with baurconite, litharge, smithsonite, iron ore, argentiferous and soft lead.	291

## GROUP 43.

5. Greek Metallurgical Co., Baurium. Brown coal.	292
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## GROUP 44.

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## GROUP 46.

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## GROUP 48.

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15. Greek Government, Ministry of Finance. Antimonite of Volos.	356
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## ITALY.

## LOCATION—SEC. B; 13.

Mineral Combustibles, Building Stones, Clays, Asbestos, Cements, Mineral Water, Etc.

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## JAPAN.

## LOCATION—SEC. B, 15.

Minerals, Coal, Marble, Polishing Substances, Copper, Antimony, Etc.

## GROUP 42.

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## GROUP 43.

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## GROUP 46.

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## GROUP 48.

22. Department of Agriculture and Commerce, Mining Bureau, Japan. Sulphur.	317
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Exhibit No.	Class No.
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28. Ryuhei Kawasoe, Nagasaki. Table salt.	314
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Minerals, Ores, Native Metals, Gems and Crystals.

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23. Golden Clad Gold Mining Co. (Ltd.), Cargo. Auriferous pyritous quartz from No. 1 Reef and Auriferous pyritous quartz from No. 2, or "Big Reef."	291
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## Minerals, Ores, Native Metals, Gems and Crystals.

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## Minerals, Ores, Native Metals, Gems and Crystals.

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| 51. Australian Kerosene Oil & Mineral Co. (Limited), Sydney.   |             |
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## Exhibit No.

## Class's No.

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| 70. Browne, T., Ravensfield.  |     |
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| 71. Burns, J., Bathurst.  |     |
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MINERALIEN UND SWEDEN

# SWEDEN

LOCATION - SWEDISH PATENT

Minerals, Building Stones, Limestones, Cement

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- Engelstrom, L. J., Sunnemo. Iron ore from Sjogruftva mines. 291
- Sveriges Geologiska Undersokning, Stockholm. Ores from Swedish mining districts. 291
- Karanavaara & Loussavaara Co., Ltd., Stockholm. Ores. 291

## GROUP 44.

- Gerlach, Hugo, Warberg. Granite. 291
- Grafsversfors Stenhuggeri och Sliper, Grafsversfors. Urns, columns, pedestals and monuments of Swedish granites. 291
- Kessel & Rohls Granitaktiebolag, Wismar. Polished slabs in various colors. 291
- Sveriges Geologiska Undersokning, Stockholm. Granite, porphyry, marble. 291

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- Borstrands Aktiebolag, Stockholm. Feldspar. 291

## GROUP 47.

- Skanska Cement Aktiebolaget, Stockholm. Portland cement; raw materials. Aktiebolaget Fornnada Kalkbrunnar, Malm. Limestone. Aktiebolaget Wisby Cement, Stockholm. Portland cement. Aktiebolaget Skanska Cement, Malmö. Cement and tiles. 291

## GROUP 49.

- Aktiebolaget Ankarstrum, Stockholm. Iron, blooms and pig iron. Aktiebolaget Bofors, Bofors. Iron, blooms and pig iron. 291



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# WORLD'S COLUMBIAN EXPOSITION

1893

## OFFICIAL CATALOGUE

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PART VI.

MACHINERY HALL AND

MACHINERY ANNEXES

BY THE DEPARTMENT OF PUBLICITY AND PROMOTION

AND THE DEPARTMENT OF MACHINERY

OF THE WORLD'S COLUMBIAN EXPOSITION

DEPARTMENT F. MACHINERY

L. W. ROBINSON, U. S. N., CHIEF

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EDITED BY

THE DEPARTMENT OF PUBLICITY AND PROMOTION

M. P. HANDY, CHIEF

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CHICAGO:  
W. B. CONKEY COMPANY, PUBLISHERS

MADE TO THE ORDER OF  
WORLD'S COLUMBIAN EXPOSITION,  
1893. H.C.

THE WORLD'S COLUMBIAN EXPOSITION

OFFICIAL CATALOGUE

IN FIVE VOLUMES

THE FIRST VOLUME

ALPHABETICALLY

Entered according to Act of Congress in the year A. D. 1892, in the office of Librarian of Congress at Washington, D. C., by

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W. B. CONKEY COMPANY

CHICAGO, ILL.

W. B. CONKEY COMPANY,  
PRINTERS AND BINDERS  
CHICAGO.

# MACHINERY HALL.

The Palace of Mechanic Arts measures, with 500 feet extension, 1,350x500 feet, and with the Machinery Annex and Power House cost about \$1,200,000. It is located at the extreme south end of the park, midway between the shores of Lake Michigan and the west line of the park. It is just south of the Administration Building, and west and across a lagoon from the Agriculture Building. The building is spanned by three arched trusses, and the interior presents the appearance of three railroad train-houses side by side, surrounded on all the four sides by a gallery 50 feet wide. In each of the long naves there is an elevated traveling crane running from end to end of the building for the purpose of moving machinery. These platforms are built so that visitors may view from them the exhibits beneath. The power from this building is supplied from a power house adjoining the south side of the building. This is the largest power plant in the world, consisting of boilers of the largest size, capable of producing 24,000 horse-power. This power is, for the most part, converted by immense dynamos into electric energy, which is distributed by a system of underground galleries and conduits to the large buildings, the electric lights and the electric trolleys. Two of these dynamos, of a capacity of 10,000 lights each, are run by the great Allis engine, which is twice as large as the world's wonder of Philadelphia. Of the 24,000 horse-power, developed, 17,000 horse-power is devoted to electricity. The boilers are supplied with oil for fuel instead of coal, which is piped direct from the Indiana oil fields to the receiving tanks at Jackson Park.

## KEY TO INSTALLATION.

The exhibits in the Department of Machinery are installed in Machinery Hall proper, the Power Station, Pump House, Machine Shop, Saw Mill Building, Boiler House Extension, Oil Pump House, and in an out-of-door space near the main building. In the location of exhibits in the catalogue entries, the following abbreviations are used: "PP." Power Plant; "PS." Power Station; "PH." Pump House; "MS." Machine Shop; "IDS." Out Door Space; "LS." Line Shaft; "SMB." Saw Mill; "BH." Boiler House; "HE." Boiler House Extension; "OPH." Oil Pump House; "FEH." Fire Engine House; "PH of E. Ry." Power House of Elevated Railway; "MP." Midway Plaisance; "LS. Ry." Barre Sliding Railway; "W. D. R. R." Western Dummy Railroad; "SCW." Wage Cleansing Works.

The power plant, adjoining the main building, is divided into sections lettered from "A" to "O." The boiler house, on the south, has six numbered divisions, and the divisions of boiler house extension are numbered from "A" to "E." The east end of the main building is occupied by foreign countries, their various locations being indicated on the floor plan in the catalogue. The main building is divided into numbered sections, as indicated in the catalogue. The columns are lettered from south to north, from "A" to "T," and from east to west are numbered from 1 to 53. Hence, each column bears both a letter and a number. An exhibit located in the catalogue at "28-N-46" is in section 28, near the post or column lettered "N" on the north and south line, and 46 on the east and west line.

# WINNIE DEPARTMENT

## OUTDOOR EXHIBITS

HOUSE

WILSON

WILSON



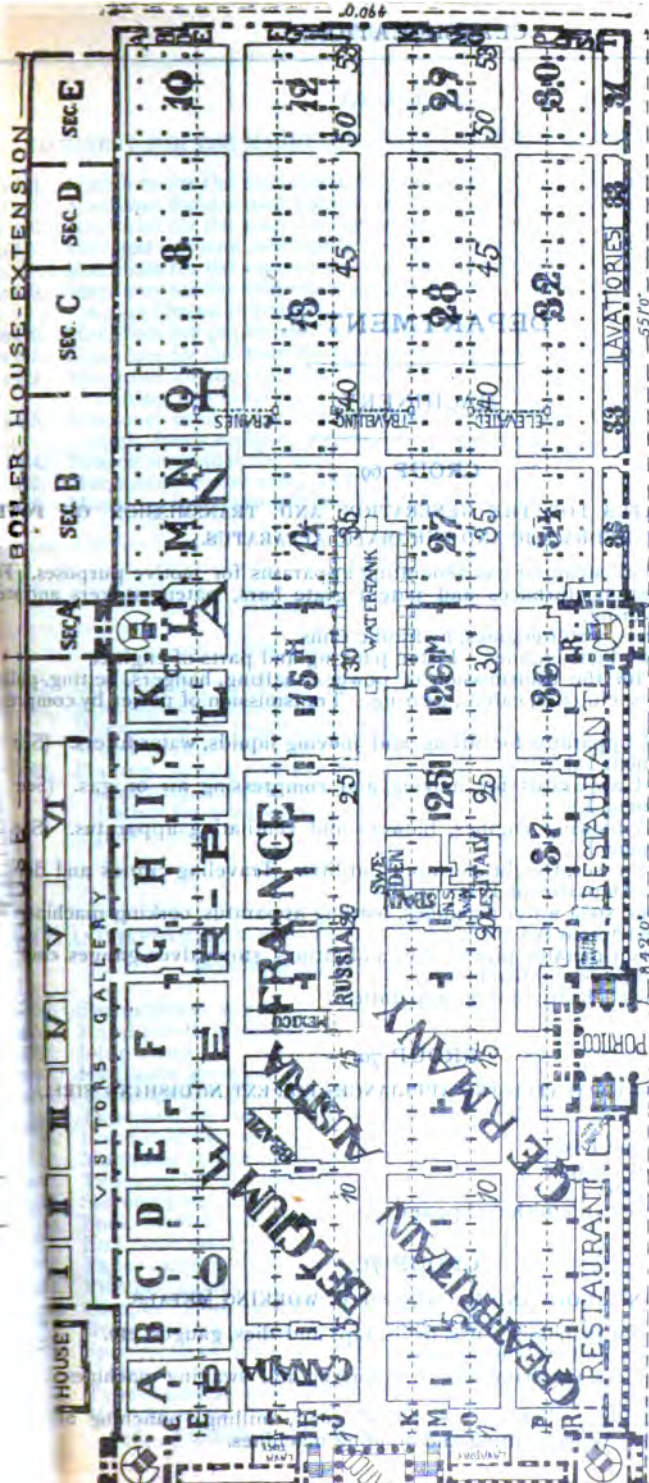
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ROLLER HOUSE

WHEELER-HALL

100

HOUSE-BOILER-EXTENSION



GROUND FLOOR PLAN, MACHINERY HALL, WORLD'S COLUMBIAN EXPOSITION.

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## DEPARTMENT F.

### MACHINERY.

#### GROUP 69.

#### MOTORS AND APPARATUS FOR THE GENERATION AND TRANSMISSION OF POWER— HYDRAULIC AND PNEUMATIC APPARATUS.

- Class 413. Boilers and all steam or gas generating apparatus for motive purposes. Feed water heaters, furnaces and patent grate bars, patent stokers, and steam pipe covering.
- Class 414. Water wheels, water engines, hydraulic rams.
- Class 415. Steam, air and gas engines. Piston packing and parts of engine.
- Class 416. Apparatus for the transmission of power—shafting, hangers, belting, pulleys, couplings, clutches, cables, gearing. Transmission of power by compressed air, etc.
- Class 417. Pumps and apparatus for lifting and moving liquids, water filters. (See also Department E.)
- Class 418. Pumps and apparatus for moving and compressing air or gas. (See also Department E.)
- Class 419. Pumps and blowing engines, blowers and ventilating apparatus. (See also Department E.)
- Class 420. Hydraulic presses, freight elevators and lifts. Traveling cranes and derricks. (See also Department E.)
- Class 421. Beer engines, soda water machines, bottling apparatus, corking machines. (See also Department A.)
- Class 422. Iron and other metallic pipes, tubes and fittings, stop valves, gauges, cocks, etc.
- Class 423. Diving apparatus and machinery.
- Class 424. Ice machines, Refrigerating apparatus.

#### GROUP 70.

#### FIRE ENGINES—APPARATUS AND APPLIANCES FOR EXTINGUISHING FIRE.

- Class 425. Engines.
- Class 426. Hose-carts and hose.
- Class 427. Ladders and escapes.
- Class 428. Standpipes, etc.
- Class 429. Chemical fire-extinguishing apparatus.

#### GROUP 71.

#### MACHINE TOOLS AND MACHINES FOR WORKING METALS.

- Class 430. Small tools for machinists' use, drills, taps and dies, gauges, etc.
- Class 431. Squares, rules and measuring tools.
- Class 432. Steam hammers, trip-hammers, drop forging and swaging machines, hydraulic forging, etc.
- Class 433. Planing, drilling, slotting, turning, shaping, milling, punching and cutting machines. Wheel-cutting and dividing machines.

GROUP 72.

MACHINERY FOR THE MANUFACTURE OF TEXTILE FABRICS AND CLOTHING.

- Class 434. Machines for the manufacture of silk goods.
- Class 435. Machines for the manufacture of cotton goods.
- Class 436. Machines for the manufacture of woolen goods.
- Class 437. Worsted working machinery and appliances.
- Class 438. Machines for the manufacture of linen goods.
- Class 439. Machines for the manufacture of rope and for twine-making and for miscellaneous fibrous materials.
- Class 440. Machines for paper-making and felting.
- Class 441. Machines for the manufacture of India-rubber goods.
- Class 442. Machines for the manufacture of mixed fabrics. Knitting machines and cloth-cutting machinery.
- Class 443. Machines used in the manufacture of tapestry, including carpets, lace, floor-cloth, fancy embroidery, etc.
- Class 444. Sewing machines for heavy materials and for family work.
- Class 445. Machines for preparing and working leather.
- Class 446. Machines for making boots and shoes.

GROUP 73.

MACHINES FOR WORKING WOOD.

(See also Departments A and E.)

- Class 447. Direct-acting steam sawing machines, with gang saws, band saws, circular saws.
- Class 448. Sawmills and sawmill tools.  
Wood-working machinery for sawmills.  
Wood-working tools and minor appliances for sawmills.
- Class 449. Planing, sawing, veneering, grooving, mortising, tonguing, cutting, molding, stamping, carving and cask-making machines, etc.; cork-cutting machines.  
Lathes for woodwork and machinery for the manufacture of matches, tooth-picks, etc.

GROUP 74.

MACHINES AND APPARATUS FOR TYPESETTING, PRINTING, STAMPING, EMBOSsing AND FOR MAKING BOOKS AND PAPER WORKING.

- Class 450. Steam-power presses.
- Class 451. Hand-printing presses.
- Class 452. Job presses.
- Class 453. Hydraulic presses.
- Class 454. Ticket printing and numbering machines.
- Class 455. Type casting and setting machines. Linotypes.
- Class 456. Hand-casting molds.
- Class 457. Machines and printing blocks.
- Class 458. Typographic electrotyping.
- Class 459. Stereotyping.
- Class 460. Book-binding machinery.
- Class 461. Envelope machines.
- Class 462. Paper-cutters, card-cutters and paper box machinery.
- Class 463. Printers' cabinets and printers' furniture generally.
- Class 464. Composing sticks, cases.
- Class 465. Brass and type-metal labor-saving appliances.
- Class 466. Specimens of plain and ornamental types, cuts, music, borders and electrotyping plates.
- Class 467. Type-founders' specimen books of type and typographical ornaments.
- Class 468. Miscellaneous machinery used by printers and newspapers not otherwise specified. Folding machines, addressing, stamping, embossing, etc.

## GROUP 75.

## LITHOGRAPHY, ZINCOGRAPHY AND COLOR PRINTING.

- Class 469. Lithography—tools, materials and appliances. The various methods of lithography, crayon, pen and ink; engraving, brush work, color printing, etc. Transferring, printing. Zinco-graphy.
- Class 470. Color printing—historical illustrations from the 16th century to the present time. (Relief engraving. The old chiaro-oscuro. Modern wood-engravings. The Baxter process. Intaglio engraving, printed at one impression; *i. e.*, from the plate rubbed in different colors; printed from several plates. Stenochromy, chromo-lithography. Wax process, etc. The modern photo-mechanical processes applied to color printing.)

## GROUP 76.

## PHOTO-MECHANICAL AND OTHER MECHANICAL PROCESSES OF ILLUSTRATING, ETC.

- Class 471. Relief processes—photo-mechanical processes producing relief blocks for printing in the type-press (etching, swell-gelatine and washout processes). Line processes (photo-typographic etchings, photo-gravures, etc.).
- Class 472. Half-toned processes—gelatine green processes. (Paul Pretsch's and later.) Screen processes. (Meisenbach, etc.) The Ives process.
- Class 473. Photo-lithography, etc.—photo-mechanical processes involving the production of printable designs on stone or zinc; *i. e.*, photo-lithography and photo-zinco-graphy. Half-toned processes (the Bitumen process, Poitevin's process, Asser's process, etc.). Recent grain processes. Screen processes. Line processes. (Osborne's process.)
- Class 474. Collographic processes—photo-mechanical processes, involving the production of gelatine or other glutinous films, to be used as printing surfaces in the lithographic press; *i. e.*, collographic or photo-gelatine processes (albertype, heliotype, artotype, etc.).
- Class 475. Photo-mechanical processes—producing intaglio plates for printing in the copperplate press; *i. e.*, photo-gravure. Etching processes, deposit processes, heliotypes, heliogravures, etc. The Woodbury type-molds and impressions.
- Class 476. Mechanical processes—partly chemical, partly mechanical, devised as substitutes for the other hand processes, but not involving photography. Chalcotype, Comte process, Gillot process, etching in relief, typographic etching, properly so-called (chemotype, the graphotype, kaolitype), the wax process and allied processes (glyphography, kerography, stylography, typographic etching, improperly so-called, etc.). Machine relief engraving, machine intaglio engraving (medal rufing), galvanography, stenochromy, mineralography, nature printing, the anastatic process, etc. Appendix. Etching on glass (improperly so-called, which involves photography, but not the use of the press).
- Class 477. Drawings for process work.
- Class 478. Aids to drawing for process work (used by lithographers and draughtsmen). Grained and embossed papers. Pasting tints. The air brush. Day's shading mediums, etc. Methods of reducing and enlarging. Photo-mechanical processes.
- Class 479. Applications of the photo-mechanical processes in the industrial arts—printing on metal work, cloth, etc.

## GROUP 77.

## MISCELLANEOUS HAND-TOOLS, MACHINES AND APPARATUS USED IN VARIOUS ARTS.

- Class 480. Machines for making clocks, watches and watch-cases.
- Class 481. Machines for making jewelry.
- Class 482. Machines for making buttons, pins, needles, etc.
- Class 483. Wire-working machinery.
- Class 484. Machines for ironing, drying, scouring and laundry work generally; also dish washing machinery.
- Class 485. Machines for making capsules and other pharmaceutical products.

- Class 486. Machines used in various manufacturing industries not specifically mentioned. Among them soap-making machinery and barrel-washing machinery.  
 Class 487. Emerald and corundum wheels.  
 Class 488. Street rollers, sweepers and sprinklers.  
 Class 489. Steam gauges, oil cocks and all kinds of appliances used in connection with machinery.  
 Class 490. For testing the strength of materials. Dynamometers.

### GROUP 78.

#### MACHINES FOR WORKING STONE, CLAY AND OTHER MINERALS.

(See also Department E.)

- Class 491. Stone-sawing and planing machines, dressing, shaping and polishing, sand blasts, Tilghman's machines, glass-grinding machines, etc.  
 Class 492. Brick, pottery and tile machines. Machines for making artificial stone.  
 Class 493. Rolling-mills and forges—roll trains, hammers, squeezers, engines, boilers and other driving power; heating furnaces (coal and gas), special machines for shaping metal, such as spike, nail and horseshoe machines; tire mills, etc.

### GROUP 79.

#### MACHINERY USED IN THE PREPARATION OF FOODS, ETC.

- Class 494. Mills for the preparation of cereals.  
 Class 495. Sugar-refining machines; Confectioners' machinery.  
 Class 496. Oil-making machinery; presses and stills.  
 Class 497. Mills and machinery for spices, coffee, etc.  
 Class 498. Evaporating machinery for condensing milk, etc.

# How to Find Exhibitors and Their Exhibits.

The list of exhibitors from the United States will be found in the first portion of this catalogue, the foreign countries with their exhibits installed in Machinery Hall following in alphabetical order. Each country has its exhibits numbered consecutively, and as far as practicable each exhibit has a card attached to it bearing the name of the country and the words "Official Catalogue Number" and that number corresponds with the number in this Catalogue. For example, if a card is found with the following matter thereon:

Department F. Machinery.  
United States.  
Official Catalogue Number 11

the visitor will turn to 11 in the United States portion of the Catalogue where will be found the following entry:

11. Ashton Valve Co., Boston.  
Valves and gauges. 26-M-27 422

It may be that the visitor's attention is first directed to the Catalogue and he may be desirous of finding this exhibit. The first thing he should do is to see what the location is. That being 26-M-27 he will refer to the Key of Installation, which states that the main building is divided into numbered sections as shown on the plan, and that the columns running north and south are lettered from "A" to "T" and from east to west are numbered 1 to 31, each column bearing both a letter and a number. The exhibit therefore of the Ashton Valve Co. will be found in section 26 near the post or column lettered M on the north and south line and 27 on the east and west line; or in other words, the exhibit can be located in section 26 at the corner of "M and 27th streets."

The class number 422 serves many purposes, and one especially. A visitor, for instance would like to see all the exhibits of valves and gauges in Machinery Hall. He immediately turns to the classification grouping, where he will read in group 69, class 422 the following: "Iron and other metallic pipes, tubes and fittings, stop valves, gauges, cocks, etc." He immediately turns to the list of exhibitors under group 69 and by glancing down the right hand side for 422 finds all exhibitors alphabetically arranged who are exhibiting valves and gauges and other articles enumerated in that class.

This rule applies to every exhibit in the Machinery Department, whatever its character may be, and by following the above plan the visitor will experience no difficulty in locating the exhibitor or his exhibit.

No attention should be paid to any numbers which may be affixed to exhibits except those appearing on cards in the form given above

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## Department F.--Machinery.

### UNITED STATES.

#### Motors and Apparatus for the Generation and Transmission of Power.

##### GROUP 69.

##### Motors and Apparatus for the Generation and Transmission of Power—Hydraulic and Pneumatic Apparatus.

1. Abendroth & Root M'fg Co., New York.  
  - a Boilers, water pipe. BH.—1 413
  - b Pipe for water works, etc. 26-M-28 422
2. Aermotor Co., Chicago. Pumps. Dept. A 417
- 2a. Ahrens & Ott M'fg Co., Louisville, Ky. Valves and fittings. Distillery Bldg. 422
3. Alexander Bros., Philadelphia. Leather belting, belt truck. 26-K-28 416
4. Allis, E. P. Co., Milwaukee, Wis. Steam engines. PP.—F-E-13 & PH. of E. Ry. 415
- See Official Directory advertisement.
5. Allington & Curtis M'fg Co., East Saginaw, Mich. Pipes and dust collectors. 12-F-53 419
6. Althouse Wheeler Co., Waupun, Wis. Pumps. W. Ex. 417
7. American Fire Engine Co., Seneca Falls, N. Y.  
  - a Boilers and engine heaters. 8-A-45; FEH. 413
  - b Fire pump and piston pump. 417
8. American Hoist & Derrick Co., St. Paul, Minn. ODS. & 15-F-29  
  - a Engines, hoisting machines. 415
  - b Derricks with power. 420
9. American Leather Link Belt Co., Chicago. Leather link belts. 15-F-27 & PP. 416
- 10a. American Well Works, Aurora, Ill. Engines, pumping machinery. 26-K-30 417
- 10a. Andrews & Johnson Co., Chicago.  
  - a Engines. 26-M-31 415
  - b Ventilating apparatus. 419
11. Ashton Valve Co., Boston. Valves and gauges. 26-M-27 422  
 Pop safety valves for all kinds of steam boilers; noiseless safety valves for locomotive and marine boilers; relief valves for pumps and stand pipes; pressure and vacuum gauges. Ashton pop safety valves and gauges are in use on boilers operating the steam plant of this Exposition.
12. Atlas Engine Works, Indianapolis, Ind. PP.—H-D-22 & N-A-37  
  - a Boilers. 413
  - b Engines. 416
13. Babcock & Wilcox Co., New York. Boilers. BH.—6 & 25-M-23 413
- 13a. Babcock & Wilcox Co., New York. Model of water tube sectional boilers, iron heads and wrought iron headers, steel and cast iron drum heads, hand-hole fittings and forging. 25-M-23 413
14. Ball Engine Co., Erie, Pa. Engines. PP.—B-E-5 415  
 "Ball" automatic cut-off engines, single cylinder, tandem compound, cross compound, and triple expansion for electric lighting, electric railways, electric welding, electric mining, haulage, etc.
15. Ball & Wood Co., New York. Engines. PP.—E-A-11 415  
 Improved, simple, tandem and cross compound types, for electric lighting, electric railways and manufacturing purposes.
- 15a. Baragwanath, Wm., & Son, Chicago. Heaters exhausts. BH. 413
- 15b. Barr Pumping Engine Co., Germantown Junct., Phila. Duplex boiler feed pumps. PP. 417
16. Bass Foundry & Machine Works, Fort Wayne, Ind. Engine. PP.—N-E-37 415
17. Bates Machine Co., Joliet, Ill. Engine. LS.—32-S-43 145

## Motors and Apparatus for the Generation and Transmission of Power.

- 17a. Battle Creek Machinery Co., Battle Creek, Mich. Steam pumps. BH. 417
18. Beckerleg, J. G., Chicago. Excelsior pressure valve. BH.—6 422
19. Bethlehem Iron Co., South Bethlehem, Pa. Shafting, Dept. G 416
- Pacific Mail S. S. Co., double-throw built up crank, finished. U. S. Cruiser, "Minneapolis," spare single-throw crank, finished. Old Colony Steamboat Co. spare shaft, finished. Hollow forged shaft as from hydraulic forging press 67 feet long, 20 in. outside, 8½ in. inside diameter, wt. 56,000 lbs.
20. Bilgram, Hugo, Philadelphia. Toothed bevel wheels. 15-H-28 416
- Teeth planned theoretically correct by novel process and special machines.
21. Bishop & Babcock Co., Cleveland, Ohio. Beer drawing apparatus, compressors, etc. 25-K-24 421
- 22a. Blake, George F., Mfg Co., New York.
  - a Condensers. BH. 415
  - b Pumps. 417
22. Blakeslee Mfg Co., Du Quoin, Ill. Duplex steam pump. Boiler house 417
23. Bliss & Laughlin Factory, Harvey, Ill. Shafting. 8-B-47
24. Boston Belting Co., Boston. Rubber goods. 15-J-27 & PP. 416
- 24a. Boyd, James, St. Paul, Minn.
  - a Mason's material elevator. 15-J-31 413
  - b Duplex hoisting machine horse power. 416
  - c Hod elevator, hand power; material elevator. 420
- 24b. Boyts, Porter & Co., Connellsville, Pa. Double plunger boiler feed. BH. 417
25. Brass and Iron Works Co., Fostoria, Ohio. Well drilling machine tools and pipe fittings. 26-K-28 422
- Gate valves, tapping machines, Patent pipe fittings for iron pipe without threads and lead pipe without solder.
- 27a. Bryan, Anthony H., Evansville, Ind. Automatic pump and water elevator. 27-L-35 417
28. Buffalo Steam Pump Co., Buffalo, N. Y. Pumps; machinery. 26-K-29 417
- Steam and power pumps for all duties; also single cylinder air pumps and jet condensers.
29. Bucket Pump Co., Cincinnati. Pump and water purifier. 26-K-29 417
30. Buckeye Engine Co., Salem, Ohio. Engines. PP.—H-E-23 & J-A-27 415
31. Buckeye Iron & Brass Works, Dayton, Ohio. Brass goods and pumps. 28-K-44 422
32. Bushnell, G. H., Co., Thompsonville Conn. Sewage Disposal Works. Filter presses. 41
33. Caldwell, H. W., & Son Co., Chicago. Power transmitting machinery. 27-N-33 41
- Caldwell conveyor; Caldwell-Charter gas line and gas engines; Caldwell-Aves seamless steel elevator buckets; automatic grain shovels; link belting and sprock wheels; shafting; hangers; pulleys; belting, etc.
34. Campbell & Zell Co., Baltimore. Boiler. BH.—5 41
35. Cameron, A. S., Steam Pump Works. New York. Pumps and engine. BH.—5 & 26-K-31 41
- 35a. Cardarelli & Dicks, Sumter, S. C.
  - a Submerged water heater. 8-A-49 41
  - b Electric light crane.
36. Carlson, Conrad, Brooklyn, N. Y. Elevating system. 26-O-28 41
- 36a. Case, J. F. Engine Co., New Britain, Conn. Engines. PP. & Dept. J
37. Challenge Windmill & Feed Mill Co., Batavia, Ill. Pumps. Dept. A
38. Chambers, Cyrus, Jr., Overbrook, Pa. Steam engine. 34-P-36
- The "Golden Miniature," a complete engine weighs less than one-half ounce, made when he was sixteen years old.
40. Chapman Valve Mfg Co., Chicago. Steam valves. BH.—3
41. Chapman Valve Mfg Co., Indian Orchard, Mass. Steam valves. 26-K-28 PH. of E. Ry. A
42. Chicago Automatic Scale Co., Chicago. Grain weighing machine. 26-O-28
43. Chicago Belting Co., Chicago. Belting. 80-Q-50; PP.-J; SM.
- 43a. Chicago Fire Proof Covering Co., Chicago. Boiler covering. BHE
- Under floor. Depts. A-E and Castings
44. Chicago Gas & Crude Oil Co., Chicago. Mfg Co., Chicago. Oil burning for boilers. Service under boilers.
45. Chicago Rawhide Mfg Co., Chicago. Belting, leather. 15-J-28
- See advertisement in Official Directory
46. Cleveland Faucet Co., Cleveland, Ohio.
  - a Air compressors. 26-O-27
  - b Physicians' atomizing apparatus and beer preserving device.
- Manufacturers of hydraulic air compressors, hand air compressors, physicians' atomizing apparatus and beer preserving of every description.
47. Clonbrock Steam Boiler Works, Brooklyn, N. Y. Boilers. BHE

## Motors and Apparatus for the Generation and Transmission of Power.

48. Colles, E. G. T. & Co., Chicago. Feed water heaters, live steam purifiers and boiler cleaning filters. PP. & BHE.—D 413
- 49a. Columbian Metallic Rod-Packing Co., Philadelphia. Metallic packing. 15-F-31 415
50. Consolidated Safety Valve Co., New York. Valves. 25-K-24 422
51. Manning, Maxwell & Moore, Sell. Agt., 60 So. Canal st., Chicago; 111 & 113 Liberty st., N. Y.
52. Conover M'fg Co., New York. Jet condenser & air pumps. PP.—F-H & J. 415
- 53a. Cowen, Andrew & Co., Louisville, Ky. Belting. Distillery Bldg. 416
54. Crane Elevator Co., Chicago.
- a Hydraulic machines, piston and cages. 29-L-31 & West Wall. FG. & NO. East Wall P. R. 414
- b Steam engines. 415
- c Power pump. 417
- d Elevators. 420
55. Crane Co., Chicago. Steam, water & gas supplies. 26-Q-28 422
- Best manufacturers in the world of light-iron pipe for steam, gas, water, cable and cast-iron fittings, tools, and iron valves and cocks, gate valves, engine trimmings, hose goods, radiators, flanged fittings.
56. Drake Engine M'fg Co., Grand Haven, Mich. Steam engine. 14-I-37 415
- Marine, marine and hoisting engines, especially adapted for direct attachments to motors, pumps, fans, blowers, etc.
57. Davidson, M. T., Brooklyn, N. Y. Pumps. BH.—4 417
58. Davis-Creswell M'fg Co., Denver. Upright engine. 26-M-27 415
59. Deane Steam Pump Co., Holyoke, Mass. Pumps. BH.—PH. of E. Ry. 417
- Go office, 228 Lake Street. All of single, duplex, horizontal, vertical & water works engines. Independent & assets. Vacuum, circulating, boiler, brine, tank, fire, marine, mining & See pumps in Ice Building. Offices, New York, Boston, St. Louis, Denver.
60. De La Vergne Refrigerating Machine Co., New York. Refrigerating and ice machinery. 26-Q-29 424
61. DeLoach Mill Manufacturing Co., Ma. Ga. Turbine water wheels. S.M.B. 414
62. DeLong Co., The, Salem, Ohio. 27-K-33 417
- a Brass pumps and cylinders, hydraulic rams, artesian well pumps, hydraulic motors, well supplies, etc. N. Y. John St. Chicago agency, Menion 25 and 57 N. Clinton St. Exhibit pumps, U-74 Horticultural Hall.
59. Dickinson, H., & Son, Lowell, Ind. Water purifier pump. 27-L-34 417
60. Dodge M'fg Co., Mishawaka, Ind. Power transmitting appliances. 15-F-27 416
- "Independence" wood split pulleys. American system rope transmission. Split friction clutch pulleys and couplings, hangers, pillow blocks, chain oiling journal bearings, floor stands, shafting, couplings, collars, power transmitting appliances. Fifteen first awards.
61. Dodge M'fg Co., Chicago. Wood split pulleys in paper mill plant. 8-B-47 416
62. Downie Pump Co., New Brighton, Pa. Pumps and valves. 27-L-35 417
- For artesian wells. Double and single acting for steam, belt or wind power.
- 62a. Eaton & Prince Co., Chicago. Worm geared belt winding machines, floor and ceiling patterns. Dept. G. 416
63. Eddy Valve Co., Waterford, N. Y. Fire hydrants and valves. 26-K-28 422
64. Eick Bottle Cleansing Machine Co., Philadelphia. Bottle washing machines. 27-N-36 421
- 64a. Electric Pipe Bending Co., Harrison, N. J. electric pipe bending machinery. Dept. J. 424
- Round, oval, zigzag and special forms of pipe work. Also flanges and fittings.
- 64b. Erie City Iron Works, Erie, Pa. a Boilers. 413
- b Steam engines. SL. 415
- Manufacturers of automatic and slide valve engines and return tubular portable and vertical boilers. Chicago office; 84 and 98 W. Monroe Street.
65. Erwin-Welch Hydraulic Machine Co., Chicago. Engines; motors. 14-I-34 414
66. Eureka Cast Steel Co., Chester, Pa. Steel casting. 26-M-80 422
67. Excelsior Heater Co., Chicago. Excelsior feed water heater, purifier, filter and oil separator combined. BH. 413
- 67a. Exhaust Steam Purifying Co., Chicago. Steam Separator. Libby Glass Wks. 415
- 67b. Exhaust Ventilator Co., Chicago.
- a Doane patent vacuum exhaust head. BH.—6 415
- b Exhaust fans. 419
- Roof of annex, 8-B-42
68. Falkenau, Arthur, Philadelphia.
- a Pump. 13-J-39 417
- b Hoisting winch. 420
- Showing lowering device for cranes.
69. Falls Rivet & Mach. Co., Cuyahoga Falls, Ohio. Power transmitting machinery. 15-F-28 416
70. Farquhar, A. B., Co., York, Pa. Engines. 14-F-33 415

## Motors and Apparatus for the Generation and Transmission of Power.

71. Fasoldt, E. C., Albany, N. Y. Air compressors. 15-E-27 418
72. Field Feed Water Purifier Co., Chicago. Heater and purifier. BH.—6 413
73. Flint & Walling M'fg Co., Kendallville, Ind. Iron pumps and pump goods. 27-K-38 417  
Iron pumps of every kind, including pitcher spouts, lifting, double and single acting force, hand and windmill pumps.
74. Floyd, James R., & Son, New York. Slide valve, valve stand indicator and retort mouthpiece. 26-O-27 422
75. Franklin Portable Crane & Hoist Co. Franklin, Pa. Crane, hoist. 26-O-30 420
76. Fraser & Chalmers, Chicago. Mining engine. PP.—F-A-14 415  
Standard and special, high grade, improved Corliss engines of all types. Haulage, winding and blowing engines. Riedler deepmine pumps and air compressors. Cornish pumps. Mining and metallurgical appliances of all designs a specialty. See exhibit department Mines and Mining.
77. Frick Co., Waynesboro, Pa. Ice machine. 26-O-30 424
- 77a. Fuel Economizer Co., Matteawan, N. Y. Fuel economizer. PH of E. Ry. 25-K-22 413  
This apparatus is specially adapted for utilizing the surplus heat from steam boilers that otherwise would escape up the chimney, thereby heating the feed water for the boilers at a temperature very much above the atmospheric boiling point.
78. Funk Steam Boiler & Iron Work Co., La Crosse, Wis. Feed water heater. OPH. 413
79. Gandy Belting Co., Baltimore. Belting. 15-J-27 416  
This company are the original inventors and patentees of a stitched cotton duck belt. By a late decision of the U. S. Supreme Court at Washington our patents were sustained, thus giving us the exclusive right to the manufacture of stitched cotton duck belting in this country.
80. General Electric Co., New York.  
a Transmission of power. 1-N-33, I-H-20, I-C-9 416  
b Electric pumps. 417  
c Electric air compressor. 418  
d Electric blowers and fans. 419  
e Lifting magnets, electric hoists and traveling cranes. 420  
Power transmission by direct and alternating current systems. See exhibit plants in Electricity Building and motors on cranes in Machinery Hall
- 80a. Globe Gas Engine Co., Philadelphia. Gas engine (with exhibit of Globe Light & Heat Co.). 27-L-37 414
81. Globe Light & Heat Co., Chicago. Gas machine. 27-L-37 415
82. Golden State & Miners' Iron Works, San Francisco. Compound steam engine. LS. 28-L-43 414  
I. F. Thompson Tandem compound slide valve Corliss engine; I. F. Thompson differential knuckle joint ball governor.
83. Goulds' M'fg Co., Seneca Falls, N. Y. Triplex automatic electric pump. 8-B-47, 15-I-28, BH., Dept. J; Dept. A 417
84. Graton & Knight, Worcester, Mass. Belting. Dept. J, also PP.—O. 416
85. Gray, Thos. F., Monroeville, Ohio. Elevator and grain scale. 26-O-29 420
- 85a. Hall Steam Pump Co., Pittsburg, Pa. Duplex steam pump. BH. 417
86. Hawley Down Draft Furnace Co., Chicago. Grate and furnace. 15-H-23 413
87. Hawarden Furnace Grate Co., Hawarden, Ia. Furnace grate. BHE—D. 413
88. Hayes Pump & Planter Co., Galva, Ill. Force pumps, wind mills and power pumps. 27-L-34 417
89. Harrisburg Foundry & Machine Works, Harrisburg, Pa. Engines. ODS; LS; 17-E-16 & 18-E-15 416  
"Ide and Ideal." Simple and compound, side and center crank. Steam boilers for high pressure service; Weitmyer furnace for economy in fuel; double engine steam-roller. Steam engineers and contractors.
91. Heine Safety Boiler Co.; St. Louis. Boilers. MP.—B.S.Ry. & BH.—3 413  
Modern, high class, water tube, safety boiler; all steel. 8,000 horse power in use in World's Fair steam plants.
- 91a. Henderson, Thoens & Gerdes, New Orleans, La. Ice machine. W.—ODS. 420  
Machine in daily operation in special building south of Machinery Hall. Possesses the following features: 1st, the liquefied ammonia is anhydrous; 2d, a low pressure in the absorber and refrigerator; 3d, utilizing the exhaust steam of the ammonia pump.
92. Hercules Iron Works, Chicago. Ice and refrigerating machines. Cold Storage and Dairy Bldg. 420
93. Hersey M'fg Co., So. Boston, Mass. Pumps. 31-T-53 417
- 93a. Hitchcock, Geo. H., Danville, Ill. Adjustable stuffing box for sliding rods. PP—F. 415
- 93b. Hoffeld, R., & Co., Buffalo, N. Y. Leather belting. Blacksmith shop, PR. 416
94. Hoffman, J. G., Chicago. Hand blower and forges. 27-L-33 415

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92. Hoppes M'fg Co., Springfield, Ohio.  
Feed-water heaters. BH.—3 415
93. Ide, A. L., & Son, Springfield, Ill.  
Engines. PP.—D-A-9 415
94. Ingersoll-Sergeant Drill Co., New York.  
Air compressors, straight line, duplex and compound. PP. 418  
Represented by Parker, Melcher & Ingraham, 100-104 West Washington St., Chicago.
95. Jarecki M'fg Co., Erie, Pa. Brass and iron work, pipe fittings etc. 28-K-47 423  
Manufacturers of brass work for gas, steam, water and oil. Malleable and gray iron pipe fittings, steam and hot water radiators, artesian oil well and natural gas supplies.
97. Jeffrey M'fg Co., Columbus, Ohio.  
Conveyers, elevators, etc. 26-O-31 420
98. Jewell, O. H., Filter Co., Chicago.  
Water filter.  
8-B and D—42 and 49; Dept. D. 417
99. Jewell Belting Co., Hartford, Conn.  
Belting. PP. 416
99. Johns, H. W., M'fg Co., Chicago.  
Pipe coverings. BH. 413
100. Johns, H. W., M'fg Co., Chicago.  
Asbestos pipe covering. PH.&PP. 413
100. Jongs, de, E., New York. Boiler compound. BH.—2 413
101. Kane, Thos. & Co., Chicago. Engines.  
15-F-31 415  
Manufacturers Racine automatic marine and stationary engines, oil burners, Kane electro vapor engines, pumping outfits. Office, 187 Wabash Ave., Chicago, Ill.
102. Kearns, I. F., & Co., Chicago. Valves.  
26-M-28 422
102. Reasbey & Mattison Co., Ambler, Pa. Steam pipe and boiler covering.  
BHE.—D. 413
- 102b. Kemper, A. C., Chicago. Pipe covering. PP. 413
- 102c. Keystone Engine & Machine Works, Philadelphia. Centrifugal steam separators. PP. 413
103. Knowles Steam Pump Works, New York. Pumping machinery.  
PP.—H-K & N, & BH.—3 417
103. Kroschells & Bourgeois, Chicago.  
Feed water heater. PP. 413
- 103a. L. P. & D. Transmitter Co., Montpelier, Vt. Power transmitters. PP. 416
105. Laidlaw & Dunn Co., Cincinnati. Pumps. 14-I-33 & BH.—5 417
106. Lake Erie Engineering Works, Buffalo, N. Y. Engines. PH.&Dept. J., Intr. R. R. 415
107. Lane & Bodley Co., Cincinnati. Engines. PP.—M-A-34 413
- 107a. Lahman, W. H., Chicago. Grates. BHE.—D. 413
108. Lawrence Machine Co., Lawrence, Mass. Centrifugal pump. PP.—B. 417
109. Leard, Wm. E., New Brighton, Pa. Connecting rods and strap joints.  
15-F-27 416
110. Lidgerwood M'fg Co., New York.  
Electric mining hoist.  
15-F-28 & Dept. J. 413  
Suspension cableways for open pit mining. Quarry work, sewer building, dam building and canal work. Railway rapid unloaders, log-skidding machines, etc. Chicago office, 34 and 36 W. Monroe street.
112. Lippincott, Chas. & Co., Philadelphia.  
Soda water machinery. 37-O-37 421
113. Liquid Carbonic Acid M'fg Co., Chicago. Acid and machinery.  
27-N-36 421  
Carbonating soda and mineral waters, bottled drinks, wines and champagne. Beer drawing in saloons, and for carbonating beer in breweries; refrigeration. Factories: Chicago, Pittsburg and St. Louis.
- 113a. Lyman, W. C., Chicago. Steam exhaust head. PP. 416
- 113b. Mabb's Hydraulic Packing Co., Chicago. Rawhide hydraulic packing. 415  
Cold storage building; also PP.—A. 26-K-29, 27-K-36, 14-I-33
- 113c. MacKinnon Pulley Co., Menasha, Wis. Iron split pulleys collars.  
27-O-33 416
- 113d. Magnolia Anti-Friction Metal Co., Chicago. Marine and stationary engine bearings; brasses, babbitt, solders, etc.  
10-E-53 415
114. Maris & Beekley, Philadelphia.  
Cranes, hoists, etc. 26-O-30 420
- 114a. Mason, Volney W., & Co., Providence, R. I. Hoisting appliances, friction clutches, couplings and pulleys; also whip-hoists and elevators. 15-J-28 416
115. Matthews, John, Apparatus Co., New York. Soda water machinery.  
27-O-37 421
116. McEwen, J. H., M'fg Co., Ridgeway, Pa. Engine. PP.—F-D-14 415  
Manufacturers of automatic steam engines for electric lighting, electric railways, etc., giving the best regulation of any engine in the world. Horse-powers from 25 to 2,000.
117. McGowan, John H., Co., Cincinnati.  
a Pumping machinery, direct acting, duplex, and crank and fly wheel types. 27-K-L-36 & BH. 417  
b Air pumps, crank and fly wheel and direct acting types. 418

## Motors and Apparatus for the Generation and Transmission of Power.

- c. Tobacco machinery, presses, finishers, etc. 420
- d. Valves, back pressure and gate, spray sprinklers and pump valve seat. 422
- See our patent pump valve seat. It is the only one in Exposition that prevents slippage of water. Also "Twin Lever" duplex and "Glide" direct acting steam valve motions.
118. McIntosh, Seymour & Co., Auburn, N. Y. Compound condensing engine. PP. H-A-23; W.D.R.R.; Dept. J 415
119. Menasha Wood Split Pulley Co., Menasha, Wis. Wood pulleys. 26-M-28 416
- 119a. Menge, Joseph, New Orleans. Drainage and irrigation pumps. 14-I-34 417
120. Miller Steam Pump Co., Dixon, Ill. Pumps. BH.—5 & 27-K-36 417
- Duplex steam pumps for boiler feeding. Hot or cold water. The best made. New plunger design. More improvements than any other.
121. Morgan Engineering Co., Alliance, O. a Traveling crane. Dept. F 420  
b Hydraulic fittings. MP.—B.S.Ry. 422
- Manufacturers' steam hammers, electric, hydraulic, steam and power overhead, locomotive and jib cranes; punching, shearing, flanging and riveting machinery; gun and mortar carriages; special machinery.
122. Morris Machine Works, Baldwinville, N. Y. Stuff pump. 8-B-47 417
123. National Brass Manufacturing Co., Cleveland, Ohio. Injectors. PP. 417
125. National Electric Valve Co., Cleveland, Ohio. Electric valves. OPH. 422
- 125a. National Iron Works, New Brunswick, N. J. Grate bars. BHE.—D. 413
126. National Meter Co., Brooklyn, N. Y. Gas engines, air compressor. 15-F-30 415
- Gas and gasoline engines for power and pumping. Special deep well pumps, irrigation plants and air compressors.
- 126a. National Pipe Bending Co., New Haven, Conn. Feed-water heater. BH. 413
127. National Supply Co., Chicago. Fuel oil burners. PP.—Intramural R. R., S. C. W., OPS.; BH. 26-K-27 413
- Burners are steam actuated. Designers and contracting engineers for entire fuel oil equipment at World's Fair.
- 127a. National Tube Works, McKeesport, Pa. Pipe and tubing. MP. & B. S. Ry. 422
128. National Water Tube Boiler Co., New Brunswick, N. J. Boiler and parts. 25-M-21 & W.—ODS; BH.—4 413
129. New York Belting & Packing Co., New York. Belting & packing. 15-J-27 416
- 129a. New York Oil Cabinet Co., New York. Oil cabinets. 417
- 129b. New York Safety Steam Power Co., New York. Automatic cut-off engine for electric light duty in power plant. 415
131. Norwalk Iron Works Co., South Norwalk, Conn. Air compressor. PP.—L-E-30 408
- Builders of compressing machinery in great variety. Single and double compound; Corliss pattern and plain valves; for raising, conveying power, etc. Experience to 5,000 lbs. pressure per square inch. Used on U. S. S. Vesuvius, Terror, etc., and on principal railroads and mines. Liquefying gases.
132. Nye, Geo. E., Chicago. Pumps. 26-K-30 417
133. Oberne, George & Co., Chicago. Belting. PP. 416
- 133a. Oil Well Supply Co., Pittsburg, Pa. a Boilers. 413  
b Steam engines. 415  
c Brass and iron valves, fittings, cocks, etc. 422
- Exhibit in special building located south of Machinery Hall.
- 133b. Olmsted & Co., Chicago. Drive well points and pump fixtures. 15-J-31 and 32 417
134. Olsen, L. A., Oakland, Cal. Heater, purifier, steam generator. BH.—5 413
136. Osterlein, W., Cincinnati. Clutch pulleys and coupling. 15-J-28 416
137. Otto Gas Engine Works, Philadelphia. Gas engines. 15-H-31 415
- Gas, gasoline and petroleum engines; exhibit in American as well as in German departments. See advt. following machinery department in Official Directory.
138. Page Belting Co., Concord, N. H. Belting. PP.—W.D.R.R., 15-F-27 416
139. Payne, W. B., & Sons, Elmira, N. Y. Steam engine. 10-B-50 415
140. Pelton Water Wheel Co., San Francisco. Water wheel connected to dynamos. Dept. J 414
141. Perkins, H. H., Mfg Co., Kewanee, Ill. Force pump. E-R-11—Dept. A 417
142. Phoenix Iron Works Co., Meadville, Pa. Engines. PP.—C-D-7 415
- High grade automatic cut-off engines for electric lighting, railways, and general manufacturing purposes. Horizontal tubular and Manning vertical boilers. Chicago office, 519 The Rookery.
144. Pond Machinery Co., St. Louis. Separator. PP. 415
145. Pratt & Whitney Co., Hartford, Conn. Automatic grain weigher. 31-T-51 & 31-I-44 420
- 145a. Preston, E. B., & Co., Chicago. Leather belting. FEH and Main Bldgs. 416

## Motors and Apparatus for the Generation and Transmission of Power.

146. Providence Steam Engine Co., Providence, R. I. Compound engine. 28-L-44 415  
The Providence Steam Engine Co. are sole builders of the improved Greene engine, under the various patents. They employ 500 men, running night and day. Visit power house, on Fair grounds, of the Western Dummy R. R. Co., and see tandem compound condensing engine, 1000 H. P., direct belted.
147. Puffer, A. D., & Sons, Boston. Soda water machinery. 27-O-37 421
148. Racine Cement & Pipe Co., Racine, Wis. Sewer and culvert pipe. W.—ODS. 422
- 149a. Rand Drill Co., New York. Air compressors. M. P. & B.S. Ry. 418
149. Reeves Pulley Co., Columbus, Ind. Pulleys. 15-H-27 416
- 149a. Revere Rubber Co., Boston. Belting. 8-B-42 416
- 149b. Rice & Whitacre, Chicago. a Boilers and heaters. 15-J-30&31 413  
b Engines. 415
- 149c. Rice & Whitacre M'fg Co., Chicago. Engine and boiler combined for hoisting purposes and general power work. 15-J-30 415
150. Rife Hydraulic Engine M'fg Co., Roanoke, Va. Rams and model. 26-K-29 417  
Specially adapted for irrigation, placer mining, R. R. tanks, etc. New application of principle. Capacity 3 to 350 gals. per min.
151. Reliance Gauge Co., Cleveland, Ohio. Alarm for steam boilers, floats for high pressure steam service and steam separators. BH.—3-5 413
152. Rider Engine Co., Walden, N. Y. Engines. 27-K-36 417
153. Ruble American Blower & Injector Co., Newark, N. J. Blowers, ventilators. 27-O-38 416
154. Russell & Co., Massillon, Ohio. Automatic engines. PP.—K-A-28&PP.—O. 415
157. Sandwich Enterprise Co., Sandwich, M. Pumps, cylinders, tools. 27-K-35 & Dept. A 417
153. Sanford, B. H., & J., Sheboygan Falls, Wis. Turbine waterwheels. 14-J-35 414
159. Schieren, Chas. A., Chicago. Belting, stuffing, cement. The following in PP: D-C-9; H-E-23; H-C-24; M-B-D-E-34; N-E-37; N-A-B-37; H-C-D-23; N-E-40. On line shafting. 10-D-30; 13-F-44; 28-L-44; 32-Q-43; 15-F-27 416
160. Schutte, L., & Co., Philadelphia. Condensers, injectors, etc. 29-M-26; BH. 41
161. Schock, Gustav, New York. Beer machinery, malt mills, etc. 27-N-37 421
- Special machinery for breweries and malt-houses.
162. Secco, Henri, Boston, Mass. Lifting jack. 26-M-28 420
163. Seflers, William, & Co., Philadelphia. a Electric traveling crane. South nave BH. 420  
b Power transmitting machinery. 416
- 163a. Shaw Electric Crane Co., Muskegon, Mich. Electric traveling crane. Machine Shop. 420
- Manning, Maxwell & Moore, Sell. Agt. 60 So. Canal St., Chicago; 111 & 113 Liberty St., N.Y.
164. Simplex M'fg Co., Esopus-on-Hudson, N. Y. a Boilers. 15-J-29 413  
b Hydraulic ram. 414  
c Pumps. 417
- 164a. Simpson, W. L., Philadelphia. Exhaust head. PP. 415
165. Sioux City Engine Works, Sioux City, Iowa. Steam engine. PP.—F-G-44 415
166. Smith, J. A. & Co., Chicago. Vegetable boiler compound, BHE.—D. 413
167. Smedley M'fg Co., Dubuque, Iowa. Duplex steam pump for feeding boilers in power house. BH. 417
- 167a. Snow Steam Pump Works, Buffalo, N. Y. Pumps. BH.—6, & OPH. 417
168. South Bend Pulley Co., South Bend, Ind. Pulleys. 15-J-27 416
169. Spiedel, J. G., Reading, Pa. Derrick and chain hoists. PP. and in service. 420
170. Stearns M'fg Co., Erie, Pa. a Boilers. PP.—D-D-9 413  
General line. Gill water-tube boilers a specialty. Branch offices, New York, Philadelphia, Chicago, San Francisco. b Engines. 415
- "The Woodbury" automatic cut-off engines, simple and compound. Branch offices, Chicago, San Francisco, Phila. and New York.
171. Steele, E. B., Marlboro, Mass. Derrick. 26-M-30 420
- 171a. Stephens, D. Q., Chicago. Fire proof asbestos mineral wool sectional covering. BH. 413
- 171b. Stephens, Roe M'fg Co., Detroit, Mich. Valves, water gates. 26-M-29 422
- Orme pop valves. Scott safety, angle globe, check and gate valves, Goldsmith throttle valves. Chicago office, 32 North Canal St.
172. Sterling Co., Chicago. Water tube safety boilers. BH. 413
173. Stillwell-Bierce & Smith-Vaile Co., Dayton, Ohio. a Water wheels, etc. BH.—14-J-57 414

## Motors and Apparatus for the Generation and Transmission of Power.

- b* Steam pumps. 418  
Feed water heaters and purifiers. Linseed and cottonseed oil machinery.
174. St. Joseph Pump Co., St. Joseph, Mo. Elevator and purifying pump. Dept. A 417
175. Sulzer-Vogt Machine Co., Louisville, Ky. Steam pumps. Distillery Bldg. 417
176. Thomas, Joshua, Cleveland, Ohio.  
*a* Steam boiler. BH.—2 413  
*b* Pump. 417
177. Tripp Metallic Co., Boston. Steam and water cylinder packing. 27-K-33 415
178. Tuerk Bros., Chicago. Gas burners. 27-K-37 413
- 178a. Treat, J. A., Cleveland, Ohio. Columbian wind motor. 8-A-49 415
179. Tufts, James W., Boston. Soda water machinery. 27-O-37 421
180. Turner Machine Co., New York.  
*a* Motors. 14-I-34 415  
*b* Pumps. 417  
*c* Compressors. 418
- Makers of the "Springless Rotary Air Pumps" used in painting the buildings of the World's Columbian Exposition.
182. Underwood M'fg Co., Tolland, Conn. Belting and pulleys. PP.—15-J-28 416
183. Union M'fg Co., Battle Creek, Mich. Pumps. 15-J-30 417
- 183a. U. S. Car Co., Chicago. Interlocked shafting. Dept. G 416
184. United States Wind Engine Co., Batavia, Ohio. Hand and power pumps. 417
185. Valley Iron Works M'fg Co., Appleton, Wis.  
*a* Water wheels. 8-B-42 414  
*b* Clutches and pulleys. 416
186. Vannette Water Purifier Co., Tiffin, Ohio. Water elevator. E-A-5 417
187. Vulcan Brass Co., Cleveland, Ohio. Beer pumps, etc. 26-M-27 421
- 187a. Vulcan Iron Works, Chicago. Pile driving machinery. BHE.—D 416
- 187b. Wainwright M'fg Co., Boston. Feed water heater, surface condensers, air and circulating pumps. BH; PP. 413
188. Walworth M'fg Co., Boston. Valves, cocks, etc. 26-O-27 422
189. Ward, Charles, Charleston, W. Va. Marine boilers. 25-M-22 413
- 189a. Warren, Jas. P., Chicago. Exhaust heads. PP. 415
- 189b. Water Circulating Grate Co., Philadelphia. Water circulating and shaking grate. BHE. D 413
- 189c. Warner, Lansing B., Milwaukee, Wis. Wood pulleys. 15-H-27 416
190. Watertown Steam Engine Co., Watertown, N.Y. Engine. PP.—O-E-40 415

- 190a. Watson, N. A., Erie, Pa. Exhaust boiler feed pump. 26-M-28 & BH. 414
191. Webster, Warren & Co., Philadelphia. Vacuum steam heating system. Service and Administration Building. Vacuum feed water heaters. BH; PP. 414
192. Webster M'fg Co., Chicago.  
*a* Gas engines. 15-H-30 & Dept. J 414  
*b* Conveyer, elevator, etc. 414
194. Wenzel, Wm., Appleton, Wis. Reverse centrifugal pump. 8-B-42 414
195. Westinghouse, Church, Kerr & Co., New York. Engines.  
PP.—L A-25, F-A-15 & G-A-19 414
- Largest engine exhibit in the Exposition:  
6 Compound engines, 1,000 horse power  
2 Compound engines, 400 horse power  
3 Compound engines, 125 horse power  
2 Single engines, 125 horse power  
Aggregating 7,425 horse power, or three times greater than next largest exhibit.
- 195a. Westinghouse Electric & M'fg Co., Pittsburg, Pa. Dynamos alternating current; switchboard and apparatus for handling dynamos and currents; direct current generators, long distance transmission of power. 414
- Above installation consists of four thousand one hundred horse-power, A. C. dynamos, 2,000 volts. They are driven by belted and direct connected to engine shafts. From all of these dynamos, both arc and incandescent lighting is supplied. From the same machines, and controlled by the same switchboard, motors from two to five hundred horse-power are driven in J-2 of Electricity Building. The switchboard is designed to handle 20 dynamos and 40 circuits.
196. Wheeler Condenser & Engine Co., New York. Condensers.  
PP.—M-A-34 414
197. White & Middleton Gas Engine Co., Baltimore. Gas engines, etc. 27-N-34 414
198. White, Otis C., Worcester, Mass. Extension movement in ball and socket joints. 414
199. Williams Engine and Clutch Works, Beloit, Wis. Friction clutch. 8-B-47 414
200. Wilson, Snyder, M'fg Co., Pittsburg, Pa. Pump. BH.—5, MP.—B.S.Ry 414
201. Wilson F. Cortez & Co., Chicago. Oil filters and tanks. PH. & PP. 414
- 201a. Winn, Jasper C., Chicago. Vegetable boiler compound. BHE.—D. 414
202. Wittemann Bros., New York. Boilers' machinery and supplies. 27-O-34 414
203. Wolf, Fred W., Co., Chicago. Refrigerating machines.  
Waukesha Hygeia Bldg. 414

## Fire Engines, Apparatus and Appliances for Extinguishing Fire.

204. Wood, R. D., & Co., Philadelphia.  
 a Gas apparatus. 15-F-30 413  
 b Hydraulic tools. 420  
 c Cast-iron pipe and valves. 422
- 204a. Worcester, F., Chicago. Mineral wool sectional covering for steam pipes, boilers, etc. BH. 413
205. Worthington, Henry R., New York. Pumps, condensers, water meters. 15-J-28 418  
 London office, 153 Queen Victoria St.; Paris, 43 Rue Lafayette; Berlin, 48 Kaiser Wilhelm St.; Brussels, 12 Boulevard du Nord; Amsterdam, Keizersgracht 745; Glasgow, 21 W. Nile St.; Vienna, 7 Reichsraths St.; Calcutta, 1 Lal Bazar; Sydney, 58 Pitt St.; Copenhagen, Buda Pesth; Milan, Naples.
- 205a. Worthington, Henry R., New York.  
 a Pumping machinery.  
 PP.-A-I-L BH., PH., PS., PH.  
 of E. Ry. 417  
 b Air compressor. PH., PP.-A. 418  
 c Pressure pump and steam accumulator for hydraulic elevators. PP.-A. 420  
 d Brewery pumps. PP.-A. 421  
 e Ammonia and brine pumps for refrigerating apparatus. PP.-A. 424
206. Yale & Towne M'fg Co., Stamford, Conn. Electric traveler and hoist and chain blocks. 15-F-28 & Central runway. 420
207. Yawman & Erbe, Rochester, N. Y. Bottle washing apparatus. 27-N-35 421
208. Yeakley M'fg Co., Cleveland, Ohio. Engine. 28-L-45 415
209. Zwietusch, Otto, Milwaukee, Wis. Soda and mineral water apparatus. 27-O-35 421  
 Carbonating and bottling machinery; steel faucets. Chicago, 419 Dearborn St.
- GROUP 70.**
- Fire Engines, Apparatus and Appliances for Extinguishing Fire.**
210. American Fire Engine Co., Seneca Falls, N. Y. Fire engine house. 8-A-44-45 425  
 a Steam fire engines. 425  
 b Hose cart and fire dept. supplies. 426  
 Factories at Seneca Falls, N. Y., and Cincinnati, Ohio. Steam and manual fire engines, hose carriages and cars; pumps, heaters for fire engines, heaters for warming buildings, fire department supplies. Our engines used for protection of World's Fair buildings. Catalogue on application.
211. Boyle, H. L., & Calleton, J. H., Grand Rapids, Mich. Traction truck. 8-A-48 426
- 211a. Cardarelli & Dicks, Sumter, S. C. Fire escape truck machine. 8-A-49 427
- 211b. Chapman Valve M'fg Co., Indian Orchard, Mass. Fire hydrants. 26-K-28 428
212. Coburn Trolley Track M'fg Co., Holyoke, Mass. Store ladders, fire escapes. Dept. G 427
213. Doodittle, Irvin P., Los Angeles, Cal. Lightning hose couplings and bands. 8-A-49 426
214. Eastman, Samuel & Co., East Concord, N. H. Fire hose, nozzles, etc. FEH.-15-H-27 426
215. Fire Extinguisher M'fg Co., Chicago. FEH.-8-A-47 427  
 a Hook and ladder truck. 427  
 b Fire extinguishers. 429  
 In engine houses, on grounds, "Babcock" aerial hook and ladder truck, "Champion" chemical engines, combination engine and hose wagon (horse and hand), "Babcock" and "Champion" hand fire extinguishers; these adopted for protection of buildings. 1,070 extinguishers in use.
216. General Fire Extinguisher Co., Providence, R. I. Automatic sprinkler equipment. PH. 428
217. Harden Hand Fire Extinguisher Co., Chicago. Fire extinguishers. 8-A-41 429
218. Kansas City Fire Dept. Supply Co., Kansas City, Mo. Water tower. Fire engine house 428
- 219a. Manchester Locomotive Works, Manchester, N. H. Fire engine. In fire engine houses 425
220. Melbert Foundry & Machine Co., Reading, Pa. Fire hydrant. 26-M-30 428
221. Miller Chemical Engine Co., Chicago. Chemical fire extinguishers. 8-A-43 429
- 221a. Oil Well Supply Co., Pittsburgh, Pa. Hose pipes, clamps, nozzles, etc. Oil Well Supply Co.'s Building. 426
222. Preston, E. B., & Co., Chicago.  
 a Fire hose, brass goods. FEH. and Main Bldg. 426  
 b Hook and ladder truck. Main buildings and engine house 427  
 c Fire apparatus, etc. Main buildings and engine house 429
- 222b. Prowattain, Ernst, Philadelphia. Swinging fire hose reel. 8-A-49 426
- 222c. Treat, J. A., Cleveland, O. Repeating chemical fire engine. 8-A-49 429
223. Waterbury Rubber Co., New York. Spring steel armoured hose. 8-A-43 426
- 223a. Wood, R. D., & Co., Philadelphia. Standpipes and hydrants. 15-F-30 428

## Machine Tools and Machines for Working Metals.

223b. Worcester Chemical Compartment Fire Pail Co., Worcester, Mass. Chemical compartment fire pails. 8-B-42 429

223c. Worthington, Henry R., New York. Underwriter fire pumping engines. PH. 425

## GROUP 71.

## Machine Tools and Machines for Working Metals.

224. Acme Machinery Co., Cleveland, Ohio. Machinists' tools. 18-I-47 433  
Single and double "Acme" bolt and screw cutters for cutting regular as well as special styles of thread on bolts and screws from  $\frac{1}{4}$  in. to 6 in. diameter. Bolt pointers. Nut-tapping machines. All sizes of bolt heading and forging machines. Highest medal awarded at Cincinnati Centennial, 1888.

225. American Improved Wrench Co., Boston. Metal working machines. 29-K-50 433

226. American Screw Co., Providence, R. I. Screw making machines. 29-K-50 433

227. American Standard Gauge & Tool Works, Wilmington, Del. Machinists' tools. 28-K-38 430

227a. American Tool & Machine Co., Boston, Mass. Brass finishers' machinery and oil separators. Machine Shop 433  
Manning, Maxwell & Moore, Sell. Agt., 60 So. Canal St., Chicago; 111 & 113 Liberty St., N.Y.

228. Armstrong M'fg Co., Bridgeport, Conn.

a Steam fitters' tools. 29-K-52 430  
b Treading, cutting machines. 433

228a. Bardons & Oliver, Cleveland, Ohio. Forming monitor lathe. 28-K-38 433

229. Barnes, W. F. & John, Co., Rockford, Ill. Lathes, drills, etc. 14-J-36 433  
Upright drills for metal, and steam or foot-power lathes. Address 120 Ruby street.

230. Beaman & Smith, Providence, R. I. machinery and tools. 28-K-47 433

232. Besly, Charles H., & Co., Chicago. Metal working machinery. 13-I-49 433

233. Bethlehem Iron Co., Bethlehem, Pa. Steam hammer and hydraulic forging. Dept. G 432

Has three hydraulic forging presses: One 36 in., one 25 in., in operation; one double cylinder 56 in., building. One 125-ton single acting hammer; aggregate wt. of tup, piston and 16 in. steel rod (40 ft. long), 125 tons; full stroke 16  $\frac{1}{2}$  ft.; no top steam. Served by two 250-ton cranes. See full size model.

234. Bliss, E. W., Co., Brooklyn, N. Y. Metal working machines. 28-L-42 433

Foot and power presses, punches, shears, drop hammers, dies and special machinery.

236. Billings & Spencer Co., Hartford, Conn. 29-K-51

a Machinists' small tools. 4  
b Drop forgings.

This company is the oldest, largest and best equipped in their line of business in the United States. Established in 1869.

237. Bonney Rapid Vise Co., Marion, Ind. Vises, lathes, etc. 29-L-50 4

238. Brainard Milling Machine Co., Hingham, Mass. Milling machines. 28-K-39 4

Also gear and cam cutting machines.

239. Brown & Sharp M'fg Co., Providence, R. I.

a Machinists' small tools. 13-J-46  
b Metal working machines.

240. Buckeye Iron & Brass Works, Dayton, Ohio. Metal working machines. 28-K-44

Tobacco-cutting machinery, cotton-seed and linseed-oil machinery.

241. Canedy-Otto M'fg Co., Chicago. Portable forges, blowers, vises, drop screw plates, anvils and blacksmith tools. 13-I-38

242. Capitol M'fg Co., Chicago. Metal working machines. 28-L-41

243. Carpenter, J. M., Tap & Die Co., Pawtucket, R. I. Taps and dies. 13-J-46-47

244. Christy Knife Co., Fremont, O. Knives, handle, press and slotting machines. 13-J-38

245. Cleveland Twist Drill Co., Cleveland, Ohio. Drills, taps, reamers, cutters, etc. 29-L-50

Est'd in 1874 by practical mechanics. Management has never changed. Have rapidly and are growing still. We have what you want, how to make it and use the best steel money will buy. Agts.: Sonnenthal, London; E. Sonnenthal, Jr., New York; B. Freres, Paris; J. D. Foot, 102 Reade St., New York.

245a. Curtis & Curtis, Bridgeport, Conn. Pipe cutting and threading machines. 13-J-38

246. Darling, Brown & Sharpe, Providence, R. I. Tools for machinists. 13-I-46

247. Detrick & Harvey Machine Co., Boston. Open side planers. 13-J-41

248. Eaton, Geo. H., & Co., Boston, Mass. Presses and shears for working metal. 13-I-46

249. Falkenau, Arthur, Philadelphia. Metal working machines. 13-J-38  
Grinders for lathe tools, etc. Grinders, cutter, reamer and cylindrical work, perior 14-inch lathes, etc.

## Machine Tools and Machines for Working Metals.

50. Farquhar Heating Co., Chicago. Riveting and grinding machines. 13-J-40 433
51. Ferracute Machine Co., Bridgeton, N. J. Metal working machines. 13-J-42 433
- For all kinds of bar and sheet-metal work.
52. Fisher Clark, Trenton, N. J. Anvils, vises, etc. 29-K-52 432
- "Eagle" anvils and double screw vises. Made by the oldest anvil factory in America, first established in 1843. Every anvil and vice fully warranted.
- 53a. Fisher Governor Co., Marshalltown, Ia. Tapping machines, etc. 25-M-24 433
53. Flatber & Co., Nashua, N. H. Lathes, planers, etc. 28-K-40 433
- 53a. Foos Manufacturing Co., Springfield, Ohio. Portable forges, blowers and blacksmiths' tools. 10-D-51 & 92-P-49 430
54. Fox Machine Co., Grand Rapids, Mich. Iron working machinery. 13-J-48 433
55. General Electric Co., New York: Turning device. Dept. J 433
- For trimming large commutators without removing armature from frame.
56. Gisholt Machine Co., Madison, Wis. Turret lathes, etc. 28-K-48 433
57. Gould & Eberhardt, Newark, N. J. Stapers, drill presses, gear cutters and machine tools. Machine Shop 433
- Manning, Maxwell & Moore, Sell. Agt. 60 So. Canal St., Chicago; 111 & 113 Liberty St., N.Y.
58. Hendey Machine Co., Torrington, Conn. Iron working machine tools. 28-K-38 433
59. Hiles & Jones Co., Wilmington, Del. Metal working machines. Machine Shop & 12-J-53 433
- Fitches, shears, plate planers, rolls, etc.
- Manning, Maxwell & Moore, Sell. Agt. 60 So. Canal St., Chicago; 111 & 113 Liberty St., N.Y.
60. Horton, E., & Son Co., Windsor Locks, Conn. Lathe and drill chucks. 29-K-52 430
- Docks for brass finishers, grinding machines, milling machines, screw machines, upright drills, cutting-off lathes, drill lathes, and for boring mills, for car wheel and other work. Trade mark, "The Horton Lathe Chuck."
61. Harbert-Rogers Machine Co., South Scituby, Mass. Cutting-off lathes. 28-K-38 433
- Cutting-off lathes, working two tools in one cut. For cutting up iron and steel bars, shafts, rods and tubes. Also with automatic accelerated speed device, producing a constant cutting speed, giving these machines double the capacity of the usual style.
263. International Steel Post Co., Chicago. Rolling machine and punches. 10-E-51 433
- Most valuable machine ever invented for rolling tubular posts; making 2,000 per day. Machine in operation. Steel posts made of sheet steel especially adapted for farm and railroad fencing. Absolutely fire, frost and rust proof.
264. Jarecki M'fg Co., Erie, Pa. Threading machines. 28-K-47 433
265. Jones & Lamson Machine Co., Springfield, Vt. Turret lathes and flat turret lathe and spindle hole screw machine. Machine Shop & 28-L-47 433
- Sole builders of the flat turret lathe and publishers of "Rapid Lathe Work by New Method;" also originators of the turret machine and the only builders under the James Hartness patents. Descriptive catalogues, fully illustrated, mailed free to any address.
- 265a. Keystone Manufacturing Co., Buffalo, N. Y. Ratchet wrenches. Machine Shop 430
- Manning, Maxwell & Moore, Sell. Agt., 60 So. Canal St., Chicago; 111 & 113 Liberty St., N.Y.
- 265b. Kempswith Machine Tool Co., Milwaukee, Wis. Milling machinery. Machine Shop 433
- Manning, Maxwell & Moore, Sell. Agt. 60 So. Canal St., Chicago; 111 & 113 Liberty St., N.Y.
267. Landis Bros., Waynesboro, Pa. Grinding machines. 28-K-38 433
268. Lidback, John A., & Son, Portland, Me. Combination machine tool, sharper, milling, turret lathe, boring and drilling machine. 28-N-42 433
269. Lodge & Davis Machine Tool Co., Cincinnati. Lathes, planers, etc. 28-K-42 433
- Works, Cincinnati. Stores: New York, Chicago, Boston, St. Louis. Engine lathes, turret-boring and chucking lathes, radial drills, upright drills, milling machines, planers, shapers, bolt cutters. Gold medals at all previous expositions.
270. Long & Allstatter Co., Hamilton, Ohio. Punching and shearing machinery. 28-L-48 433
- Adapted for punching and cutting sheet and bar metal; such as double and single upright, horizontal and multiple punches, bar iron, angle iron, and plate shears of all sizes.
271. Merrill Bros., Brooklyn, N. Y. Drop hammer and trimming press; drop forging machines, etc. Dept. J 432
272. Miller's Falls Co., Miller's Falls, Mass. Mechanics' tools and hardware. 13-I-39 43

## Machine Tools and Machines for Working Metals.

273. **Morse Twist Drill & Machine Co.,**  
New Bedford, Mass. Machinists' tools.

29-L-50 430

Manufacturers of genuine Morse twist drills, milling cutters, reamers, beach chucks, taps and dies, screw plates, and all grades of special machinists' tools; original patentee of increase twist drills.

274. **Morton M'fg Co., Muskegon Heights,**  
Mich. Cutters, key maker and iron shaper.

28-K-43 433

275. **Narragansett Machine Co., Providence,** R. I. Foot power.

28-K-48 433

276. **National Machinery Co., Tiffin,** Ohio.

Bolt and nut machinery. 28-K-46 433

Only parties furnishing complete outfits; also washer, car pin, car link, spike, rivet and wire nail machinery. Highest medal awarded at Exposition of Railway Appliances, Chicago, 1883; also New York, Pittsburgh, Cincinnati, etc.

- 276a. **Newton Machine Tool Works,** Philadelphia. Machine tools and cold sawing machinery.

Machine Shop 483

Manning, Maxwell & Moore, Sell. Agt., 60 So. Canal St., Chicago; 111 & 113 Liberty St., N. Y.

277. **Niagara Stamping & Tool Co., Buffalo,** N. Y. Tools and machines for sheet metal.

28-L-46 433

278. **Niles Tool Works Co., Hamilton,** Ohio. Machine tools.

12-J-50 490

Iron and steel working machinery of every description for R. R., locomotive, car, engine, bridge, marine, boiler, general machine shops. Floor space, 500,000 sq. ft. Machine tools exclusively. Largest in the world. Branch houses: New York, Boston, Philadelphia, Chicago, Pittsburgh.

- 278a. **Oil Well Supply Co., Pittsburgh,** Pa.

a Pipe cutting and threading tools. 430

b Pipe cutting and threading machines. 433

Exhibit in special building located south of Machinery Hall.

281. **Parker, Chas., Co., Meriden Conn.,** Machinists' iron vises.

29-K-53 430

Manufacturers of one hundred varieties of vises adapted to the use of metal and woodworkers. Our vises have been the standard for fifty years.

282. **Pond Machine Tool Co., Plainfield,** N. J. Lathes, planers, drills and railroad tools.

Machine Shop & 13-J-40 433

Manning, Maxwell & Moore, Sell. Agt. 60 So. Canal St., Chicago; 111 & 113 Liberty St., N. Y.

283. **Pratt & Whitney Co., Hartford,** Conn. Machine tools, special machinery and small tools.

13-J-44 & 45 433

For gun, sewing machine, electrical apparatus and agricultural implement manufact-

ure. Small tools, taps, dies, gauges, reamers

284. **Prentice Bros., Worcester,** Mass.

Metal-working machines. 28-K-38 43

Vertical drill presses, 12 to 50 inch swing radial drills, gang drills, boilermakers' drills, radial drilling and countersinking machines, special drilling machinery, engine lathes for tool rooms and manufacturers, special taper turning lathes, special lathes.

285. **Quint, A. D., Hartford,** Conn. Drilling machine.

28-K-44 43

Quint's turret drill, six spindles. Drills and taps all holes in center of table without moving work or stopping machine.

286. **Reed, F. E., & Co., Worcester,** Mass. Lathes.

Machine Shop 43

Lathes from 10 to 30 in. swing. Selling agents Manning, Maxwell & Moore, 111 Liberty St. New York, 60 So. Canal St., Chicago, Ill.

287. **Saunders', D., Sons,** Yonkers, N. Y. Pipe cutting and threading machinery.

Machine Shop 43

Manning, Maxwell & Moore, Sell. Agt. 60 So. Canal St. Chicago; 111 & 113 Liberty St. N. Y.

- 287a. **Sigourney Tool Co., Hartford,** Conn. Sensitive drills.

Machine Shop 43

Manning, Maxwell & Moore, Sell. Agt. 60 So. Canal St., Chicago; 111 & 113 Liberty St. N. Y.

288. **Soley, George B., United States** Philadelphia. First steam coining press used by United States government.

26-O-32 43

289. **Standard Tool Co., Cleveland,** Ohio. Machinists' small tools.

29-K-53 43

Manufacturers of straight lip increase twist drills, reamers, milling cutters, chucks, twist drill grinding machines and special tools.

290. **Stiles & Parker Press Co., Brooklyn,** N. Y. Wheel presses and drop hammers.

28-K-42 43

- 290a. **Treat, J. A., Cleveland,** O. Adjustable boiler flue cutter.

8-A-49 43

291. **Tuerk Bros., Chicago.** Pneumatic metal-pressing machines.

27-K-37 43

292. **Walsh, J. C., Chicago.** Tools for brazing and soldering.

BHE-D 43

293. **Warner & Swasey, Cleveland,** Ohio. Machine tools.

13-J-43 43

Iron and brass working machinery, machines, monitor lathes, etc.

294. **Wells Machine Works, Fostoria,** Ohio. Threading and cutting machines.

13-I-40 43

296. **Westcott Chuck Co., Oneida,** N. Y. Lathe and drill chucks. Machine Shop

All styles "Scroll" or "Geared" combination also Universal or Independent lathe chucks also the famous "Little Giant" drill chuck

## Machinery for the Manufacture of Textile Fabrics and Clothing.

Favored in all countries. Adopted exclusively by World's Columbian Commission in its exposition machine shop.

37. Williams, J. H., & Co., Brooklyn, N. Y. Special drop-forgings from iron, steel, copper and bronze. Machine shop 432  
 38. Chain pipe wrenches, drop-forged engineers' wrenches, lathe dogs, etc. Special drop-forgings for bicycles, electrical apparatus, engines, pumps, railway appliances, sewing machines, typewriters, fire-arms, machinists' tools, etc.

39a. Wiswall & Davis, Englewood, Ill. Ready striker hammer. 10-B-51 432

39b. Wood, R. D., & Co., Philadelphia. a Hydraulic forging. 432  
 b Punching and shearing machines. 15-F-30 433

40. Worthington, Henry R., New York. Pump for hydraulic forging press. PP. -A 432

41. Yeakley M'fg Co., Cleveland, Ohio. Pneumatic hammers. 28-L-45 432

## GROUP 72.

## Machinery for the Manufacture of Textile Fabrics and Clothing.

42. Etna Boot & Shoe Hardware Co., Unionville, Conn. Boot and shoe heel nailing machine.

Leather and Shoe Trades Bldg. 446

43. Altman, W. W., & Son, Philadelphia. Textile machinery. 28-N-45 435

44. American B. H. O. & Sewing Machine Co., Philadelphia. Sewing machines. 32-P-47 444

45. American Card Clothing Co., Providence, R. I. Card setting machinery and card clothing. 28-N-47 436

46. Exclusive manufacturers of Flexifort or fast warp foundation cloth for sheets and all cylinders, doffers, workers, etc. Factory: Providence, R. I., Leicester, Mass., Worcester, Mass., North Andover, Mass., Wrentham, Mass., Lowell, Mass., Walpole, Mass., Manchester, N. H., Philadelphia, Pa.

47. American Heeling Machine Co., Brockton, Mass. Lightning heeling machine. Leather and Shoe Trades Bldg. 446

48. Appleton Woolen Mills, Appleton, Wis. Felt rolls. 8-N-47 440

49. Atwood Machine Co., Stonington, Conn. Silk goods machine. 28-O-49 434

50. Auburn Crimping Machine Co., Auburn, Me. Crimping machines. Leather & Shoe Trades Bldg. 446

51. Baker & Shevlin Saratoga Springs, N. Y. Bellows bottom suction screen. 8-B-47 440

305a. Barrows, A., Brockton, Mass. Last and shoe rack.

Leather & Shoe Trades Bldg. 446

306. Barton M'fg Co., New York. Rubber stamp machinery, matrix press, etc. 32-S-45 441

307. Beloit Iron Works, Beloit, Wis. Paper making machine. 8-B-47 440

307a. Berry & Orton, Philadelphia. Machine for cutting out clothing. 30-O-P, 48-49 442

308. Bertrand Lock-Stitch Sewing Machine Co., Boston. Sewing machines. Leather and Shoe Trades Bldg. 446

309. Best, Jno., & Co., Paterson, N. J. Art silk weaving. 29-O-51 434

Manufacturers of pictures, woven silk book markers, novelties, badges, etc.

309a. Black & Clawson Co., Hamilton, Ohio. Seamless dryer. 8-A-42 440

309b. Booth Bros., Rochester, N. Y. Turning and cording machines. Leather & Shoe Trades Bldg. 446

309c. Boot & Shoe Sole Laying Co., Boston. Sole laying machines. Leather & Shoe Trades Bldg. 446

310. Branson Machine Co., Philadelphia. Knitting machines. 30-P-50 437

310a. Bresnahan, Maurice V. & Co., Lynn, Mass. Automatic boot and shoe sole levelers. Leather & Shoe Trades Bldg. 446

311. Brett, Henry W., Boston. Shoe-upper cementing machine. Leather and Shoe Trades Bldg. 446

311a. Brosius Sewing Machine & Motor Co., St. Charles, Ill. Motor attached to sewing machine and motor separate. 30-O-53 444

311b. Busell Trimmer Co., Boston. Edge trimmer. Leather & Shoe Trades Bldg. 446

312. Butterworth, H. W., & Sons Co., Philadelphia. Tenting and drying machine. 30-P-51 436

Bleaching, dyeing, drying and finishing machinery for all kinds of textile fabrics.

312a. Campbell Machine Co., Pawtucket, R. I. Shoe sewing machines. Leather & Shoe Trades Bldg. 446

312b. Chase Lasting Machine Co., Boston. Shoe lasting machinery. Leather & Shoe Trades Bldg. 446

313. Cheney Bigelow Wire Works, Springfield, Mass. Wire for paper making. 8-B-47 440

313a. Chicago Braiding & Embroidery Co., Chicago. Embroidery and cutting machine. 30-P-53 443

## Machinery for the Manufacture of Textile Fabrics and Clothing.

- 313b. Chicago Sewing Machine Co., Chicago. Sewing machines. 32-P-48 444
- 313c. Clark Machine Co., Turner Falls, Mass. Jacket stretcher for paper machines. 8-B-42 440
- 313d. Consolidated Hand Method Lasting Mch. Co., Boston. Shoe lasting machines. Leather & Shoe Trades Bldg. 446
- 313e. Corrugated Rivet Co., San Francisco. Riveting machinery. Leather & Shoe Trades Bldg. 446
314. Crompton Loom Works, Worcester, Mass.
- a Looms for silk goods. 32-P-39 434
  - b Looms for cotton goods. 435
  - c Looms for woolen goods. 436
  - d Worsted working machinery and noble comb, coiler and baller. 437
316. Dennison M'fg Co., Chicago. Tag making machine. 28-N-42 440
317. Downingtown M'fg Co., Downingtown, Pa. Duplex beating engine. 8-B-D-42&47 440
318. Electrical Machine Co., Chicago. Cloth cutting machine. Dept. J 442
319. Elliott Button Fastener Co., Grand Rapids, Mich. Button-attaching machine. Leather and Shoe Trades Bldg. 446
- 319a. Enos, John A., Washington, D. C. Compressed paper boot and shoe lasts. Leather & Shoe Trades Bldg. 446
- 319b. Eppler Welt Machine Co., Boston. Shoe sewing machines. Leather & Shoe Trades Bldg. 446
- 319c. Farrell Fdry. & Mch. Co., Ansonia, Conn. Chilled calenders. 8-B-42 440
320. Felton, S. A., & Son Co., Manchester, N. H. Boot and shoemakers' brushes. Leather and Shoe Trades Bldg. 446
321. Fenno, Isaac & Co., Boston. Cloth cutting machines. 29-O-52 442
- 321a. Fifield, C. S. & Co., Boston. Shoe machinery. Leather & Shoe Trades Bldg. 446
322. Foster Machine Co., Westfield, Mass. Creel and warper, carpet machine and winders. 28-O-45 443
- Cone and tube winders, doubling winders, skein winders. Machines for doubling, twisting and coning in one operation with stop motion. Creels for warpers, to draw from cones or tubes weighing 4 lbs., making four warps with one tying in. Gold medal awarded at Mechanics' Fair, Boston, 1892.
- 322a. Franklin Needle Co., Franklin, N. H. Latch needles in cabinets. 32-P-49 443
323. Gardner Sewing Machine Co., Aurora, Ill. Sewing and folding machines. 32-P-49 444
324. Globe Buffer Co., Boston. Shoe machinery. Leather and Shoe Trades Bldg. 446
- 324a. Globe Button Hole Machine Co., Boston. Globe button hole machine. 32-P-49 446
325. Goodyear Shoe Machinery Co., Boston shoe machines. Leather and Shoe Trades Bldg. 446
- 325a. Hallawell, James, North Vernon, Ind. Hub blocks and hub block machinery. 14-I-35 446
326. Harlow, Chas. F. & Co., Boston. Union wax thread sewing machines and shoe seam finisher. Leather & Shoe Trades Bldg. 446
- 326a. Hartford Bros., Boston. Sole rounding and pattern drafting machines. Leather & Shoe Trades Bldg. 446
- 326b. Hemmingway Bros., Lynn, Mass. Leather working machines. Leather & Shoe Trades Bldg. 446
- 326c. Holt, J. S., & Co., Boston. Boot and shoe machinery. Leather & Shoe Trades Bldg. 446
327. Humphrey M'fg Co., Towanda, Pa. Shoe lining marker. Leather and Shoe Trades Bldg. 446
- 327a. Hupper, E. A., Lynn, Mass. Shoe racks. Leather & Shoe Trades Bldg. 446
- 327b. Jamison, S. W., Boot & Shoe Crimping Mch. Co., Boston. Boot and shoe crimping machines. Leather & Shoe Trades Bldg. 446
328. Jones, Lewis, Bristol, Pa. Mink fabrics machine. 30-P-52 446
- 328a. Judson, L. Thompson M'fg Co., Waltham, Mass. Rivets and rivet machinery. Leather & Shoe Trades Bldg. 446
329. Kitson Machine Co., Lowell, Mass. Cotton goods machine. 28-O-41 446
330. Knowles Loom Works, Worcester, Mass. 28-O-38
- a Silk looms.
  - b Cotton looms.
  - c Woolen looms.
  - d Looms for mixed fabrics.
- The largest builders of open shed frame looms in this country; besides have also thousands Knowles looms running in foreign countries, built by Hutchinson, Hollisworth & Co. of England.
331. Lacing Stud Co., Boston. Stud setting machine. Leather and Shoe Trades Bldg. 446
332. Leeson, J. R., & Co., Boston. Thread winding machine. 28-N-46 and Leather and Shoe Trades Bldg. 446

## Machinery for the Manufacture of Textile Fabrics and Clothing.

- 32a. **Lightning Bender Co., Springville, N. Y.** Upper beading machines. Leather & Shoe Trades Bldg. 446
33. **Littleton, S. M., Brockton, Mass.** Heel seat beading machine. Leather and Shoe Trades Bldg. 446
34. **Lowell Machine Shop, Lowell, Mass.** Cotton goods machine. 28-O-40 435  
Builders of revolving flat cards, drawing frames, fly frames, ring spinning frames, rapiers, slashers, looms, cloth room machinery, and all other machinery used in cotton mills.
35. **Lufkin, R. H., Boston.** Vamp folding machines. Leather and Shoe Trades Bldg. 446
36. **Mannion, J. J., & Co., Pittsburg, Pa.** Silk looms. 28-O-42 434
37. **Marshall Engine Co., Turner's Falls, Mass.** Perfecting engine. 8-B-47 440
38. **McKay Metallic Fastening Ass'n, Boston.** Screw machine, nailer and slugger, strip tacker, etc. Leather and Shoe Trades Bldg. 446
39. **McKay & Bigelow Heeling Machine Ass'n, Boston.** Heel compressing and attaching machines. Leather and Shoe Trades Bldg. 446
- 39a. **Merrick Sewing Machine Co., Boston.** Shoe machinery. Leather & Shoe Trades Bldg. 446
- 39b. **Miller M'fg Co., Philadelphia, Pa.** Heddle weights for loom. 28-O-38 436
- 39c. **Miller, O. A., Brockton, Mass.** Boot and shoe trees and treering machines. Leather & Shoe Trades Bldg. 446
40. **Milwaukee Brass & Copper Works, Milwaukee, Wis.** Parts of paper mill plant. 8-B-47 440
41. **Mitchell, Wm. H., Chicago.** Embroidery, perforating and sewing machines. 30-P-51 443  
be "Silent" perforating and embroidering machine combined, for making stamping patterns for art schools and fancy work. Reproduces letters, numbers bank notes and coins; also embroiders flowers, ornaments, fish and brocade goods. Agents wanted. Address J. R. Lasware, P. O. box 544.
- 42a. **Morley Button Sewing Machine Co., Boston.** Shoe button sewing machines. Leather & Shoe Trades Bldg. 446
42. **National Sewing Machine Co., Belvidere, Ill.** Sewing machine. 32-P-41 444  
Manufacturers fine family sewing machines, including the Eldredge "B," Belvidere, mistress and Imp. High-Arm Singer, comprising over 30 different styles. Also Eagle brand sewing machine attachments, warranted steel, and light gray iron castings of the highest quality and finish.
343. **Naumkeag Binding Machine Ass'n, Beverly, Mass.** Machine and covers. Leather and Shoe Trades Bldg. 446
- 343a. **New Home Sewing Machine Co., Orange, Mass.** New Home sewing machines and embroiderers. 28-O-41 444
- 343b. **Norris, T. A., Machinery Co., Brockton, Mass.** Heel breast finishing machines. Leather & Shoe Trades Bldg. 446
344. **North Press Co., Chicago.** Tag machine. 32-O-42 440
345. **Osborne, H. F., Newark, N. J.** Tools and machinery for saddle and harness making. Leather and Shoe Trades Bldg. 445
- 345a. **Osborn, C. D., & Co., Chicago.** Machines for sewing and embroidering heavy and light material. 29-O-50 444
346. **Phoenix M'fg Co., Paterson, N. J.** Exhibit of silk throwing and manufacture of silk fabrics. 28-O-49 434  
Mills at Paterson, N. J., Allentown, Pa., and Pottsville, Pa.
- 346a. **Philadelphia Barring Machine Co., Philadelphia.** Barring and tacking machines. Leather & Shoe Trades Bldg. 446
347. **Potter & Atherton Machine Co., Pawtucket, R. I.** Cotton machinery. 28-O-44 435
348. **Reece Buttonhole Machine Co., Boston.** Buttonhole machinery. 32-P-42 & Leather and Shoe Trades Bldg. Received the grand prize Paris Exp. 1889.
349. **Roach, M. J., Anderson, Ind.** Metallic steam joint for paper machine. 8-B-47 440
350. **Rockingham Machine Co., Exeter, N. H.** Boot and shoe machinery. Leather and Shoe Trades Bldg. 446
- 350a. **Ross, Moyer M'fg Co., Cincinnati.** Shoe machinery. Leather & Shoe Trades Bldg. 446
- 350b. **Saunders, S. L., Lynn, Mass.** Shoe racks. Leather & Shoe Trades Bldg. 446
351. **Sawyer Leather Machinery Co., Boston.** Leather measuring machine. Leather and Shoe Trades Bldg. 445
352. **Schaum & Uhlinger, Philadelphia.** Silk machine. 28-O-49 434  
Successors to W. P. Uhlinger. Jacquard machines, self-balancing hydro extractors, high speed ribbon looms, 4-shuttle jacquard ribbon looms, tape looms, swivel looms, direct acting repeaters, power card stamping and lacing machines, Dobby card stamping machines, patent tin bobbins.

## Machines for Working Wood.

352a. Scott & Williams, Philadelphia. Knitting machines. 29-N-51 443

353. Shuler & Benninghofen, Hamilton, Ohio. Felts and jackets. 8-B-47 440

354. Singer M'fg Co., New York. Sewing machines for leather work and textile fabrics. 32-P-45 & Leather and Shoe Trades Bldg. 444

356. Standard Sewing Machine Co., Cleveland, O. Sewing machines. 32-P-43 444

357. Stanley M'fg Co., Boston. Boot and shoe machines. 446

Leather and Shoe Trades Bldg. 446

358. Standard Rivet Co., Boston. Rivets and studs and machines for driving same. Leather and Shoe Trades Bldg. 446

359. Star & Crescent Mills Co., Philadelphia. Looms for Turkish towel weaving. 29-N-50 442

Shows advance made in method of manufacture as compared with oriental process; explains superiority and cheapness of the American product. Souvenirs of Exposition woven for sale.

360. Steam Heated Horn Co., Boston. Steam heated horns for sole sewing machines. Leather & Shoe Trades Bldg. 446

361. Sternbergh, J. H., & Son, Reading, Pa. Belt-lacing machines. 32-P-49 444

361a. Stoddard Crimping Mch. Co., Boston. Shoe crimping machinery. 446

Leather & Shoe Trades Bldg. 446

362. Swain-Fuller M'fg Co., Boston. Boot and shoe machinery. 446

Leather & Shoe Trades Bldg. 446

362a. Tripp Giant Leveler Co., Lynn, Mass. Leveling machines. 446

Leather & Shoe Trades Bldg. 446

362b. Tubular Rivet Co., Boston. Rivets and rivet setting machines. 464

Leather and Shoe Trades Bldg. 464

362c. Tyler, W. S., Wire Works, Cleveland, Ohio. Wire screens, cloth, etc. 8-B-47 440

363. Union Heel Trimmer Co., Boston. Boot and shoe heel trimming machine. 446

Leather and Shoe Trades Bldg. 446

364. Union Special Sewing Machine Co., Chicago. Sewing machines. 444

29-N-52 & Leather and Shoe Trades Bldg. 444

365. Vaughn Machinery Co., Salem, Mass. Hide and leather working machinery. 445

Leather and Shoe Trades Bldg. 445

366. Western Screen Plate Works, Appleton, Wis. Screen plates. 8-B-47 440

367. Weyburn Special Machine Co., Chicago. Knitting, cutting and cutting tables. 28-O-47 442

368. Williams M'fg Co., Kalamazoo, Mich. Stuff chests. 8-B-47 440

368a. Williams M'fg Co., Plattsburgh, N. Y. Sewing machines. 32-P-40 444

369. Willimantic Linen Co., of Hartford, Conn., Willimantic, Conn. Cotton thread machinery and spool cotton. 28-O-45 435  
Cotton threads for all kinds of manufacturing. Fine yarns. Ready wound bobbins for all sewing machines. Machines for winding spools and bobbins and ticketing spools.

370. Wire Grip Fastening Co., Boston. Slugging and nailing machines. 446

Leather and Shoe Trades Bldg. 446

370a. Worcester, A., & Sons, Boston. Boot and shoe manufacturers brushes. 446

Leather & Shoe Trades Bldg. 446

370b. Yeakley M'fg Co., Cleveland, Ohio. Power hammer. 28-L-45 432

## GROUP 73.

## Machines for Working Wood.

371. Allis, Edw. P., Co., Milwaukee, Wis. Saw mill. 30-Q-50 448

See Official Directory advertisement.

373. American Wood Decorating Machine Co., New York. Embossing machine. 13-F-45 449

375. Atkins, E. C., & Co., Indianapolis, Ind. Saws and saw tools. 14-G-33 449

General exhibit of saws: Solid, inserted tooth and kerf-ring circular, shingle, heading, grooving, segment, band, gang, cross-cut, hand, back, wood saws, etc. Handles, mill and fitting tools, mandrels, swages, gauges, mill-dogs, guides, brazing and leveling tables, etc.

375b. Bardons & Oliver, Cleveland, Ohio. Forming monitor lathe. 28-K-38 449

375c. Barnes, W. F. & John Co., Rockford, Ill. Wood-working machinery. 14-J-36 449

Foot and hand-power, wood or metal. Address 120 Ruby street, Rockford, Ill.

376. Beach, Henry Lloyd, Montrose, Pa. Sawing machinery; saw gauges. 13-F-44 447

377. Berlin Machine Works, Beloit, Wis. Wood-working machinery. 13-F-42 449

Also New York and Chicago. Manufacturers of "Invincible Sanders" inside molders, fast-feed flooring machines, cabinet planers, glue jointers, etc.

378. Buss Machine Works, Grand Rapids, Mich. Wood-working machines. 12-G-53 449

380. Chicago Rapid Roofing Co., Chicago. Shingling machine. SMB.—3 446

381. Covel M'fg Co., Chicago. File room machinery. SMB.—3-2d floor 448

## Machines for Working Wood.

332. Cunningham, E. E., Worcester, Mass. SMB.—4-2d floor 447  
 a Band saw blades and jig saws. 447  
 b Filing, setting and brazing machines. 448
- 332a. De Loach Mill M'fg Co., Atlanta, Ga. Saw mills. SMB. 448
333. Disston, Henry, & Sons, (Inc.) Philadelphia. Saws and tools. 14-F-34 447  
 The largest producers of saws in the world, making a full line of every description.
334. Doig, Wm. S., Brooklyn, N. Y. Box tailing machines. 13-F-44 449  
 Accepted by the Hon. Commissioner of Patents as the machine showing a distinct advancement over all others; model in patent office exhibit, nails cigar, tobacco (things on same) and all kinds of boxes.
- 334a. Douglas Cutter Saw Co., Chicago. Saws and saw mill machinery. SMB.—4-2d floor & 13-G-42 448
335. Dubuque Specialty Machine Works, Dubuque, Iowa. Mortising machines. 12-F-52 449
336. Ellis & Tunnell, Seymour, Mo. One man cross cut saw. SMB. 449
- 336a. Farquhar, A. B., Co., York, Pa. Saw-mills. 14-F-33 448
338. Fay, The J. A., & Egan Co., Cincinnati. Machinery for car shops, navy yards, etc. 13-F-38 & 13-F-41 449  
 Largest line in the world of standard machines for car builders, railway shops, planing mills, sash, door, blind and furniture factories, etc. 350 medals from all other expositions. "Grand Prix" at Paris, 1889. Decoration "Legion of Honor" conferred by the French Government.
339. Folding Sawing Machine Co., Chicago. Sawing machine. SMB.—4-1st floor 449
- 339a. Fox Machine Co., Grand Rapids, Mich. Wood working machinery. 13-J-43 449
341. Garland, M., Bay City, Mich. Half center deck, log roller and deck stop. SMB.—1-1st floor 448
342. Goehring, Charles L., Allegheny, Pa. Moulding and carving machines. 14-F-35 449
343. Goodell & Waters, Philadelphia. Wood-working machinery. 13-G-48 449
- 343a. Goshen Machine & Foundry Co., Goshen, Ind. Cyclone boster and picket mill. SMB.—4-1st floor. 448
344. Greenlee Bros. & Co., Chicago. Wood-working machinery. 13-F-48 449  
 Special car building machinery; original designs; finest construction.
395. Grier, W. W., Verona, Pa. Ingrain-ing machine. 12-F-53 449  
 A novel and most useful invention, by which plain faced woods—pine, bass, birch, poplar, spruce—are durably transformed into beautiful representations of quartered oak and other high grade woods.
396. Hall & Brown Wood Working Machine Co., St. Louis. Planing, matching machines, etc. 12-F-51 449
397. Hallawell, James, North Vernon, Ind. Wood-working machinery. 14-I-35 449
398. Hill, W. E., & Co., Kalamazoo, Mich. Steam log turner. SMB. 448  
 Also manufacturers of general and special patented saw and shingle mill machinery. Exhibit, Saw Mill Building. Chicago office, Home Insurance building.
399. Holmes, E. & B., Buffalo, N. Y. Wood-working and barrel machinery. 12-F-50 449
- Manufacture largest timber planers and sizers; heavy planers and matchers and a general line of heavy and light machinery. Standard manufacturers of the world for barrel, keg and stave machinery. Send for catalogue.
400. Houston, Levi, Montgomery, Pa. Wood-working machines. 13-J-41 449  
 Established 1873. Manufacture a full line of sash, door and blind machinery. Molders, mortisers and tenoners a specialty. A visit to our exhibit will please you.
401. Luce, James R., Stevens Point, Wis. Circular saw. 14-F-32 447
402. Milwaukee Carving Co., Milwaukee, Wis. Wood-working machines. 13-G-44 449
403. Mitts & Merrill, Saginaw, Mich. Edging grinders. SMB. 448
404. Moore Carving Machine Co., Minneapolis, Minn. Wood carving machine. 14-G-34 449
- Our machine has the human arm movements.
406. Narragansett Mch. Co., Providence, R. I. Foot-power circular saw. 28-L-44 447
407. Novelty Iron Works, Dubuque, Iowa. Shingle machinery. SMB.—4-2d floor 448
408. Plummer, N., Durand, Wis. Wood sawing machine. SMB.—4 447
409. Prybil, Paul, New York. Saws, planers, etc. 13-F-45 449  
 Brass finishing and special machinery, shafting, pulleys, hangers, etc.
410. Rohlmann M'fg Co., St. Joseph, Mo. Wood-carving machine. 14-G-33 449
- 410a. Rothschild, M., Shamokin, Pa. Mortising machine. 13-G-40 449
411. Simonds M'fg Co., Fitchburg, Mass. Saws-and-machine-knives. 14-I-35 448  
 Established in 1832. Largest manufact-

## Machines for Printing, Embossing, Book Making and Paper Working.

urers of saws-and-machine-knives in the United States. Goods manufactured under entirely different processes from all others. Machinery processes and products patented.

412. **Smith, H. B., Machine Co., Smithville, N. J.** Wood-working machinery. 13-F-46 449

413. **Smith & Phillips M'fg Co., Chicago.** Wood-working machinery. SMB.—3-1st floor 449

414. **Stearns M'fg Co., Erie, Pa.** Saw mill machinery. SMB. 448

Modern equipments, "Ideal" band mills, gangs, circular mills. Branch offices: San Francisco, Chicago, Philadelphia, New York.

415. **Valley Iron Works M'fg Co., Appleton, Wis.** Sawing machines, etc. 14-G-33 449

416. **White, The John A., Co., Dover, N. H.** Wood-working machinery. 10-E-50 449

Circular and bandsawing and resawing apparatus: planers, lathes, molders, mortisers, boring and sandpapering machines; special devices. All parts numbered and interchangeable. The standard for export and high-class domestic trade.

417. **Woods, S. A., Machine Co., Boston.** Wood-working machinery. 14-F-36 449

## GROUP 74.

**Machines and Apparatus for Type-setting, Printing, Stamping, Embossing, Book Making and Paper Working.**

418. **American Box Machine Co., Amsterdam, N. Y.** Cutting and paper box machines. 32-Q-38 & 35-T-36 462

419. **American Type Founders' Co., Cincinnati.** Type making machinery. 33-T-40 466

419a. **Art Embossing Machine Co., Indianapolis, Ind.** Wood embossing machine. 14-F-33 468

420. **Avery & Burton, Chicago.** Perforating machinery. 34-P-36 468

421. **Babcock Printing Press M'fg Co., New London, Conn.** Printing presses. 34-P-34 450

422. **Barnhart Bros. & Spindler, Chicago.** a Old Ramage press. 33-T-38 450

b Type casting machines. 455

c Type in its various stages. 466

423. **Brown Folding Machine Co., Erie, Pa.** Folding machines. 32-S-39 468

424. **Brown, R. H., & Co., New Haven, Conn.** Wire stitching machinery. 34-P-36 460

425. **Burrell, D. H., & Co., Little Falls, N. Y.** Paper feeding machines. 34-P-36 468

Successfully attached to ruling machines,

book and periodical folding machines, printing presses, etc. By the use of the automatic feeder an increased production of 20 to 60 per cent. over hand labor is obtained. Hundreds in use. Montague & Fuller, New York and Chicago, sole western agents.

426. **Campbell Printing Press M'fg Co., New York.**

a Printing presses. 36-P-30 459

b Paper folding machinery. 468

427. **Chambers Bros. Co., Philadelphia.** Paper folding machines. 34-P-36 468

Single and double book folding machines. Folding, pasting and covering machines for pamphlet or periodical work. Hand or automatic feed. Cyrus Chambers, Jr., reduced the folding machine to practice and introduced it in America in 1856. Montague & Fuller, Gen. Agts., New York and Chicago.

428. **Child Acme Cutter & Press Co., Boston.** Paper cutting machines. 34-P-36 468

430. **Cottrell, C. B., & Sons, Westbury, R. I.** Printing presses. 34-P-36 44

Offices, No. 8 Spruce St., New York, No. 319 Dearborn St., Chicago. Manufacturers of lithographic, stop-cylinder and two-revolution presses; flat bed perfecting presses for fine illustrated printing; rotary web perfecting presses for printing illustrated newspapers and magazines.

431. **Dexter Folder Co., Fulton, N. Y.** Folding machinery. 32-S-41 468

For books, periodicals, newspapers, wide cover, pasting and trimming attachments. We have the largest output of folding machinery, and have taken the lead in all important improvements during the past fifteen years. Hand feed, automatic feed or attached direct to the printing press.

432. **Duplex Printing Press Co., Batavia, N. Y.** Printing presses. 36-P-31 468

Which print from type on flat stationery, beds, paste and fold 5,000 papers per hour either 4, 6 or 8 pages. Also wrapping paper and stop cylinder presses.

433. **Elliott Machine Co., Newton, Mass.** Thread stitching machine. 34-P-36 468

433a. **Gally, Merritt, New York.** 34-P-33

a Universal printing presses.

b Embossing machine.

c Wood printer.

d Book cover stamping press.

e Paper box cutting and scoring press.

For folding paper boxes and ornamental paper novelties. Very powerful and adapted for large or small work.

## Machines for Printing, Book Making and Paper Working, Lithography.

434. **Golding & Co., Boston.**  
 a Printing presses. 35-T-34 450  
 b Paper folders, etc. 468  
 The largest manufacturers of job printing presses and tools in America.
- 434a. **Gore, Mahlon, Chicago. Mailing machine.** 37-P-24-25 468
435. **Goss Printing Press Co., Chicago.**  
 Newspaper perfecting presses. 37-P-22 450  
 And all kinds of special rotary printing machinery.
436. **Hamilton M'fg. Co., Two Rivers, Wis.** Printers' material. 33-T-39 463
437. **Hoe, R., & Co., New York.** Printing presses. 37-I-21 & Fuck Bldg. 450
438. **Hickok, W. O., M'fg. Co., Harrisburg, Pa.** Bookbinders' machinery. 34-S-35 460
439. **Howard Iron Works, Buffalo, N. Y.**  
 Paper cutters. 36-P-29 462
440. **International Typograph Co., Cleveland, Ohio.** Type-setting and type line-casting machine. 34-S-34 455  
 Owners of foreign patents of J. R. Rogers and F. E. Bright on the Rogers typograph type-setting and type line-casting machine.
441. **Johnson Peerless Works, New York.**  
 a Job presses. 35-T-36 452  
 b Paper cutters, etc. 462
442. **Keck, C., & Co., Cincinnati.** Beveling machine. 34-P-36 468
444. **Linston Monotype Machine Co., Washington, D. C.** Monotype machine. 34-S-33 452
447. **McAdams, John, & Sons, Brooklyn, N.Y.** Ruling and paging machinery for sheet work and paper from the roll. 32-S-42 468
448. **McIndoe Bros., Boston.** Cylinder job presses. 36-P-30 452
449. **Mergenthaler Linotype Co., New York.** Type-setting machine. 34-S-33 455  
 Avoids the use of ordinary type. Produces new type ready for the press.
450. **Miehle Printing Press and M'fg Co., Chicago.**  
 a Printing press. 34-Q-33 450  
 Manufacturers of flat-bed, two-revolution cylinder presses, containing an absolutely new, powerful and durable bed-motion, capable of unequalled speed. Superior distribution and perfect register at all speeds render it incomparable as a producer of the finest quality of work.  
 b Paging machine. 468  
 Also manufacturers of S. K. White paging and numbering machine, having air-tight ink fountain, repeaters and automatic letter attachment. This machine is celebrated for its accuracy and fine workman-

- ship. Main office and factory, 75 North Clinton street, Chicago, Ill.
- 450a. **Montague & Fuller, Chicago.** Book binder's machinery. 34-P-36 460  
 Manufacturers' exclusive selling agents for special labor saving machines for bookbinders and printers. We aim to sell only the best and latest improved machines at manufacturers' lowest prices. Most complete line in the world. 28 Reade st., New York. 345 Dearborn street, Chicago.
- 450b. **National Cash Register Co., Dayton, O.** Printing and advertising cash registering machines. 29-O-53 468
- 450c. **North Press Co., Chicago.** Tag machine. 32-Q-42 468
451. **Potter, C., Jr. & Co., New York.** Printing presses. 36-P-28 & 37-P-24 450
453. **Prouty Co., Chicago.** Printing presses. 34-S-34 450
454. **Rosback, F. P., Chicago.** Toilet paper machine. 32-Q-39 468
456. **Scott, Walter, & Co., Plainfield, N. J.**  
 37-P-25 & 36-P-27  
 a Printing presses. 450  
 b Stereotype machines. 459  
 c Paper cutters. 462  
 d Folding machines. 468
457. **Seybold Machine Co., Dayton, Ohio.** Book binding machinery. 34-P-36 460
458. **Sheridan, T. W. & C. B., New York.** Book binding machinery. 34-P-35 460
459. **Shniedewend & Lee Co., Chicago.** Canadian Section Dept. H & 85-T-34  
 a Printing presses. 450  
 b Job presses. 452  
 c Electrotypers' machines. 458  
 d Paper cutters. 462
460. **Smyth M'fg Co., Hartford, Conn.** Book-sewing machines. 34-P-36 460
462. **Thorne Type-setting Machine Co., Hartford, Conn.** Type-setting machine. 34-Q-34 45
463. **Thomson, John, Press Co., New York.** Printing presses. 35-T-33 450
464. **Walker, W. G., & Co., Madison, Wis.** Printing presses. 34-P-32 450
- 464a. **Western Paper Bag Co., Chicago.** Paper making machinery. 8-B-42 462
- GROUP 75.**  
**Lithography, Zincography and Color Printing.**
465. **Duplex Color Disc Co., Chicago.** Duplex color ink plate for printing presses. 35-T-37 469

## Photo-Mechanical Processes, Miscellaneous Hand Tools, etc.

465a. Orcutt Co., Chicago. Lithographic presses. 36-P-28 469

465b. Ottmann, J., Lithographing Co., New York. Complete lithographing establishment. Puck Bldg. 470

466. Scott, Walter, & Co., Plainfield, N. Y. Lithographic distribution presses. 37-P-25 469

## GROUP 76.

## Photo-Mechanical and Other Mechanical Processes of Illustrating, Etc.

468. Ewen, Warren, Jr., & Co., Chicago. Multi-color process exhibit. 32-S-45 474

468a. McFarland, T. A., Portland, Ore. Device for sketching from nature. 35-T-37 478

## GROUP 77.

## Miscellaneous Hand-Tools, Machines and Apparatus Used in Various Arts.

469. Acme Machine Co., Moline, Ill. Dishwashing machines. 32-Q-47 484

469a. Alden, Geo. I., Worcester, Mass. Dynamometers. 27-L-37 490

470. American Road Machine Co., Kennett Square, Pa. Road-making machines. W- ODS. 488

471. American Street Cleaning Machine Co., Sag Harbor, N. Y. Street cleaning machine. W- ODS. 488

472. Ashcroft M'fg Co., New York. Machinery appliances. 25-K-24 489

Manning, Maxwell & Moore, Sell. Agt., 60 So. Canal St., Chicago; 111 & 113 Liberty St., N. Y.

472a. Austin, F. C., M'fg Co., Chicago. Street sweeper. Dept. G 488

472b. Barnes, W. F. & John, Co., Rockford, Ill. Grinder's tool water emery. 14-J-36 487

Address 120 Ruby street, Rockford, Ill.

472c. Barclay, Peter & Co., Boston. Cylinder lubricators. PP. 489

473. Blakeslee, G. S., Co., Chicago. Dishwasher machine. Casino & 32-Q-45 484

474. Bowsher, N. P., South Bend, Ind. a Balancing ways for machine shop use. 27-O-33 486

b Speed or motion indicators. 8-B-47 & PP. 489

475. Bristols' M'fg Co., Waterbury, Conn. Machinery appliances. 25-M-24 489

Bristols' recording instruments and patent steel belt lacing.

475a. Buckeye Churn Co., Sidney, Ohio. Washing machines. 484

475b. Caruss, J. H., & Co., New York. Machinery for grinding and polishing lenses. 32-S-46 486

Manufacturers of "Standard" automatic lens grinding machines, 11 Maiden Lane.

476. Chicago Fire Proof Covering Co. Chicago. Mineral, wool and other steam pipe and boiler coverings. BHE. 48

476a. Climax Patent M'fg Co., Philadelphia. Street sweeper and cart combination. W- ODS. 48

476b. Clough & Maconnell, New York City. Wire corkscrews and machinery for manufacturing same. 13-I-38 48

Originated by W. R. Clough; manufactured in great variety; new automatic machines in operation. Souvenir pocket corkscrews made on the spot, stamped and dated.

478. Columbian Metallic Rod Packing Co. Philadelphia. Metallic packing. 15-F-31 48

479. Consolidated M'fg Co., Philadelphia. Brush machine, brushes, etc. 27-O-33 & 25-O-25 48

479a. Covel M'fg Co., Chicago. Dishwasher. 33-T-48 48

480. Crosby Steam Gage and Valve Co. Boston. Steam gages, safety valves, etc. 25-K-22 48

A gold medal awarded, Paris Expo'n 1889. Branches: New York, Chicago and London.

480a. Crosby Steam Gauge and Valve Co. Chicago. Testing apparatus. Mechanical Dept. 48

481. Crown Pen Co., Chicago. Pen making machinery. 25-K-25 48

Makers of fountain pens, gold pens, etc.

483. Davis-Creswell M'fg Co., Denver, Col. Lawn hydrants and street washers. 26-M-27 48

484. Delahanty Dyeing Machine Co., Philadelphia. Machinery for dyeing fibers. 30-P-50 48

485. Detroit Lubricating Co., Detroit, Mich. Oil cups, valves, etc. 25-M-25 48

Most extensive manufacturers of lubricators for locomotives, stationary, marine and traction engines, locomotive injector throttles, metallic packing, oil cups, brass and iron valves.

486. Donnell, E. P., M'fg Co., Chicago. Wire stitching machines and index cutter. 30-P-53 48

487. Electro-Automatic Appliance Co. Chicago. Automatic engine stop. 28-N-45 48

487a. Exhaust Steam Purifying Co., Chicago. Steam separator. Libby Glass Co.'s plant 48

488. Falkenau, Arthur, Philadelphia. Turbine let compressing machine. 28-K-41 48

Loss patent, easily worked, excellent work.

489. Faneuil Watch Tool Co., Boston. Watchmakers' lathes, etc. 32-Q-41 48

Manufacturers of watchmakers and machine lathes. The largest and best equipped.

## Miscellaneous Hand Tools, Machines and Apparatus Used in Various Arts.

factory in America for this kind of tools. The Rivett lathe is well known for its attachments, which are covered by valuable patents. A gold medal awarded by the Mass. Char. Mech. Ass. 1890.

490. Fisher Governor Co., Marshalltown, Ia. Governors. 25-M-24 489

Governors for all steam pumps working against pressure. Governors for steam pumps filling elevated open tanks, reducing valves for steam, gas or air.

491. Garis-Cochrane, Dish Washing Machine Co., Park Manor, Ill. Dish-washing machine.

Exposition restaurants & 32-S-44 484

492. Geneva Optical Co., Chicago. Drill, lens and prism measure, grinder.

32-S-47 486

Grinding outfits and tools for opticians; grindstones, cutting machines, drilling, lens measures and stocks of lenses, and everything required for a practical optician.

493. Goodsell Packing Co., Chicago. Engine packings, etc. 14-I-32 489

493a. Hancock Inspirator Co., Boston. Locomotive and stationary inspirators and jet apparatus. 27-K-33; BH-6 489

494. Hardy, F. A., Chicago. Machines for grinding lenses and fitting them to the eye. 32-Q-47 486

495. Harriaburg Foundry & Machine Works, Harrisburg, Pa. Steam road rollers. W-ODS. 488

Double cylinders, steel gears, steel boilers; guaranteed of the best workmanship and material throughout.

496. Hayden & Derby M'fg Co., New York. Injectors. BH. & 25-K-24 489

Manning, Maxwell & Moore, Sell. Agt., 60 So. Canal st., Chicago; 111 & 113 Liberty st., N. Y.

497. Hersey M'fg Co., Boston. Soap machinery. 31-T-53 486

497a. Hill, Clarke & Co., Boston. Machine tools. 28-K-38 485

Branch store, 12 and 14 South Canal street, Chicago, Ill.

497b. Hohmann & Maurer M'fg Co., Brooklyn, N. Y. Thermometers. PP. 489

498. Hospital Supply Co., Sandusky, Ohio. Laundry machinery. 32-Q-46 484

499a. Jonge, de Emil, New York. Anticorrosion.

BH.P.P. Boiler of Stearns M'fg Co. 489

500. Keasbey & Mattison Co., Ambler, Pa. Steam pipe and boiler covering. BHE. 489

501. Kaestner, Chas., & Co., Chicago. Paint mills. 10-A-60 486

502. Kelly, O. S. Co., Springfield, Ohio. Steam road rollers. Dept. A 488

503. Kennedy Wire Nail Machine Co., Chicago. Wire nail machine. 10-D-51-483

503a. Keystone Engine & Machine Works, Philadelphia. Centrifugal steam separators. PP. 489

504. Kinsley & Frisby, Bridgeport, Conn. Chime whistles. BH. 489

504a. Kissell, Mrs. A.S., Chicago. Electro automatic heat regulating valve.

25-M-24 489

504b. Knoll, Jonas L., Lebanon, Pa. Washing machine. 32-S-45 484

505. Lahman, W. H., Chicago. Grates. BHE.-D 489

Manufacturer of the Lahman-Kirkwood patent shaking, dumping and fuel-saving grate bars for steam power plants, and in heating public and private buildings. Diploma at Louisville, gold medal at New Orleans

505a. Laughlin & Smith, Chicago. Machine for making scrip jewelry, souvenir buttons, etc. 32-Q-41 481

505b. Leland, Faulconer & Norton Co., Detroit, Mich. Tool grinder.

Machine Shop 489

505c. Le Massena, C. E., & Co., Newark, N. J. Polishing wheels of leather, etc.

10-B-50 487

506. Lonergan, J. E., & Co., Philadelphia. Safety steam and lubricating appliances.

26-K-26 489

Pop safety valves, injectors, oil cups, etc.

507. Lubin, Siegmund, Philadelphia. Microscopes, etc.; machines for making.

28-L-45; 32-S-47 486

508. Lunkenheimer Co., Cincinnati. Machinery appliances. 25-O-24 489

509. Marsh, Jas. P., & Co., Chicago. Pressure and compound vacuum gauger.

Hercules Iron Works Pavilion; PP.-A; Waukesha Mineral Springs Co. Pavilion.

489

510b. McCanna Bros., Chicago. Ratchet oil pump. PH. 489

510c. McKay Metallic Fastening Association, Boston. Wire nail making machine.

13-J-38 493

510d. Miller, Wm. P., Co., Chicago. System of lubrication. 27-N-33 489

511. Moore, Samuel, Providence, R. I. Bead chain machine and products.

32-S-40 481

511a. Mulford, H. K., Co., Philadelphia. Automatic table compressing machines.

27-N-33 485

512. Nathan M'fg Co., New York. Oil cups; lubricators, etc. BH & 25-M-26 48

Injectors, ejectors, steam jet apparatus, cups for locomotives and stationary engine

## Miscellaneous Hand Tools, Machines and Apparatus Used in Various Arts.

sight-feed lubricators for locomotive cylinders and air brakes, and for stationary engines, boiler washers, fire extinguishers, automatic track sanding. Chicago office, Rialto Building.

513. National Electric Valve Co., Cleveland, Ohio. Electric tank and burner regulators. OPH. 489

514. New York Oil Cabinet Co., New York. Oil cabinets. Dept. F. 489

515. Northampton Emery Wheel Co., Leeds, Mass. Emery and corundum wheels. 10-D-53 487

516. Norton Emery Wheel Co., Worcester, Mass. Emery and corundum wheels. 10-E-53 487

Universal cutter and tool grinder, combination twist drill grinder. Grinder for engine lathe, external and internal grinding.

517. Olsen, Tinius, & Co., Philadelphia. Machinery for testing strength of materials. 25-O-24 490

518. Osborn, C. D., Chicago. Machine for the manufacture of gloves. 32-S-45-46 488

519. Penberthy Injector Co., Detroit, Mich. Injector, oil, cups and ejector. BH.-25-M-24 489

70,000 injectors sold to date. A perfect boiler-feeder. Foreign agents wanted.

520. Pope, R. C., Chicago. Reversible street rollers. Dept. A 488

521. Riehle Bros. Testing Machine Co., Philadelphia. 25-O-25

a Machines for twisting hay and straw ropes. 486

b Machines for testing strength of materials. 490

c Machine for countersinking marble basin slabs, and for moulding marble for interior finish. 491

Automatic and Vernier-Poise beams and autographic devices, Extensometers, etc.

522. Russell & Co., Massillon, Ohio. Steam road rollers. Dept. A 488

522a. Rutzler, E., New York. Exhaust head for main power plant. On exhaust pipes above roof.

Mechanical Dept. 489

523. Schaffer & Budenberg, New York. Automatic injectors and tachometers.

BH.—25-K-23 & Mechanical Dept. 489  
Steam gauges, counters, indicators, calorimeters, tachometers, steam traps, injectors, regulating valves, etc.

524a. Sellers, Wm., & Co., Philadelphia. Automatic injectors. BH. 489

525. Sherwood Mfg Co., Buffalo, N. Y. Engine and boiler supplies. 25-K-25 489

Injectors, ejectors, lubricators, glass oil cups, grease cups, duplex flue scrapers, steam

flue blowers, ball gauge cocks, ratchet drill pipe tongs, automatic and hand cylinder pumps, centrifugal crank pin and wiper oilers of latest design.

525a. Simon, Louis, Cincinnati, O. Washing machine. 30-P-53 488

526. Simons Bro. & Co., Philadelphia. Thimbles, process of making. 25-K-25 & Manufacturing jewelers and silversmiths. Branches: Chicago and N. Y. Our exhibit will be confined to the attractive feature of one of our specialties—the production of gold and silver souvenir thimbles, which will be sold in silver from 50c. to \$1.00 each. Look for illuminated thimble.

527. Smith, Andrew H., New York. Street cleaning machine and street block sawing machine. W—ODS. 488

528. Smith, James A., Chicago. Vegetable boiler compound. BHE.—D. 488

529. Springfield Emery Wheel Co., Bridgeport, Conn. Emery wheels and grinders. 10-E-52 487

529a. Stephens, Roe Mfg Co., Detroit, Mich. Injectors. 26-M-29 488

530. Thomas, Joshua, Cleveland, O. Water feed regulator and governor. BH. 488

530a. Thompson & Bushnell Co., New York. Indicators with reducing valves and appurtenances. Machine Shop

530b. Treat, J. A., Cleveland, O. Washing machine and household clothes dryer. 8-A-49 488

531. Troy Laundry Machinery Co., New York. Laundry machinery. 32-Q-45

Troy, Chicago, New York, San Francisco, London, England, Paris, France, Hamburg, Germany. Our line of laundry machinery and supplies is the largest, best and complete in the world, and we sell under this guarantee. Chicago office, factory 395 to 401 Fifth Ave.

532. Tuerk Bros., Chicago. Watch clock tools. 27-K-57 488

533. U. S. Mangle & Laundry Machinery Co., Chicago. Laundry machinery. 32-S-4 488

534. U. S. Street Sweeping Co., New York. Street sweeping machines. W—ODS. 488

535. Vacuum Oil Co., Chicago. Model of the Rochester and Olean works. 25-K-23 488

536. Watson, N. A., Erie, Pa. Exhaust boiler feeder. 26-M-28 & BH. 488

537. Water Circulating Grate Co., Philadelphia. Water circulating and grate. BHE. 488

This grate is adapted to all classes of

## Machines for Working Stone, Clay and Other Minerals, and Preparation of Foods.

without change of bars. Users show 20 to 30 per cent saving. No artificial draft required. Circulation keeps boiler clean. Royalty rights for sale. Sole manufacturers of Reagan's Adjustable Sand Bell for locomotives and electric cars.

537a. Webster, Warren & Co., Philadelphia. Oil extractor. PP. 486

537b. Webster & Perks Tool Co., Springfield, Ohio. Reducing valve for indicators. Mechanical Dept. 489

538a. Western Steel Protected Glove M'fg Co., Chicago. Machinery for manufacturing steel protected gloves. 29-O-50 486

539. Wolf, Sayer & Heller, Chicago. Meat market supplies. Dept. A 486

539a. Yeakley M'fg Co., Cleveland, Ohio. Injector. 28-L-45 489

## GROUP 78.

## Machines for Working Metal, Stone, Clay and Other Minerals.

541. Columbus Bolt Works, Columbus, O. Machines for making bolts. 10-A-52 493

542. Compress Wheel Co., Chicago. Polishing and buffing wheels. 10-A-53 491

543. Crane Elevator Co., Chicago. Engines for rolling-mill service. 29-L-51 493

543a. Cumming, George, & Co., San Francisco, Cal. Portable forges and hand blowers. 15-J-29 493

544. Diamond Machine Co., Providence, R. I. Grinding and polishing machinery. 10-B-53 491

Grinding, polishing and belt strapping machinery. Knife and water tool grinding.

544a. Dugan, F. J., Norwalk, Conn. Potter's wheel in operation. 14-J-37 492

545. Gouverneur Machine Co., Gouverneur, N. Y. Stone mill saw gang and sand-pump for same. 10-B-52 491

546. Kennedy, Edward, & Son, Minneapolis, Minn. Mill picks. 28-N-O-44-45 491

546a. McGroden, B., Cleveland, O. Forges. BHE.—D. 493

546b. Mitchell, Cornelius S., New York. Cherry heat welding compound. BHE.—D 493

547. Peck, Stow & Wilcox Co., Southington, Conn. Shears, folder, former, etc. 10-A-51 493

548. East Berlin and Plantsville, Conn., and Cleveland, O. Manufacturers of the largest assortment of machinery\* for sheet metal workers in the United States. 1812 to 1893.

547a. Powell Wire Nail Machine Co., Cleveland, Ohio. Multiple wire nail machines. 15-H-28 493

548. Severance Nail Machine Co., Duluth, Minn. Nail cutting machine. 10-B-51 493  
Revolution in nail cutting machines, producing a new and superior nail.

548a. Tabor M'fg Co., New York. Molding machines for making sand molds for metal castings. Machine Shop 493

548b. Worthington, Henry R., New York. Rolling mill pressure pump. PP.—A 493

## GROUP 79.

## Machinery Used in the Preparation of Food.

549. Allis, Edward P., Co., Milwaukee, Wis. Flour mill machinery. 30-Q-50 494  
See Official Directory advertisement.

550. Barnard & Leas M'fg Co., Moline, Ill. Flour mill machinery. 30-Q-53 494

551. Buckeye Iron and Brass Works, Dayton, Ohio. Cotton seed oil mill model. 28-K-44 496

Brass goods for steam-engine builders. Tobacco-cutting machinery.

553. Condon, J. W., Chicago. Mixing machinery. 33-T-47 495

553a. Deal, H. M., & Co., Bucyrus, O. Flour machinery. 31-T-50 494

555. Dell, John C., & Son, Philadelphia. Coffee and spice mills. 31-T-50 497

555a. De Loach Mill Manufacturing Co., Atlanta, Ga. Portable grinding mills. SMB. 494

556. Foos M'fg Co., Springfield, Ohio. Crushing and grinding mills. 10-D-51 & 32-Q-49 494

For fertilizers of all kinds, oil cake from different seeds, dye stuffs, bones, all other materials requiring reduction. Also attrition mills for pulverizing.

556a. Goudie, D. R., Chicago. Candy medallion machinery. 33-T-49 495

557. Harrison, L. D., New Haven, Conn. Portable corn and flour mills. 31-T-52 494

558. Hersey M'fg Co., Boston. Cube sugar machine. 31-T-53 495

Granulated and cube sugar making machinery for refineries and plantations; used throughout the world. Hersey water meters, used in nearly every water department in the United States. Rotary steam dryers, for salt, grain, fertilizer and refuse. Soap making machinery. Rotary pumps.

559. Kaestner, Chas., & Co., Chicago. Mills for the preparation of cereals. 10-A-50 494

Spice mills. 497

Miscellaneous.

560. Nordyke & Marmon Co., Indianapolis, Ind. Machinery for preparing cereals. 30-Q-51 494
561. Smith, John E., & Sons, Buffalo, N. Y. Meat choppers and mixers. 31-T-50 497  
In charge of Paul J. Daemicke, Chicago.
562. Squier, Geo. L., M'fg Co., Buffalo, N. Y. Machines for preparation of food. Guatemala Pav. 494
563. Webster, Warren, & Co., Philadelphia. Oil extractor. PP. 496
564. Westerman, F., & Co., Chicago. Dough mixers and rollers. 31-T-51 449
- 564a. Worthington, Henry R., New York. a Vacuum pumps for sugar refining. PP.—A 405  
b Independent condenser. PP.—A 498

Exhibits Classed in Other Departments,  
but Installed in This.

DEPARTMENT E.

GROUP 53.

Metallurgy of Tin, Tin-Plate, etc.

565. Davis-Creswell M'fg Co., Denver, Colo. Solder and babbitt metal. 26-M-27 347

DEPARTMENT G.

GROUP 85.

Marine, Lake and River Transportation.

566. Worthington, Henry R., New York. a Admiralty pumps, pumps for steering apparatus. 531  
b Wrecking pumps. 535

DEPARTMENT H.

GROUP 90.

Furniture of Interiors, Upholstery and  
Artistic Decoration.

567. Davis-Creswell M'fg Co., Denver, Colo. Ornamental table for reading matter. 26-M-27 566

GROUP 106.

Laces, Embroideries, Trimmings, Artificial Flowers, Fans, etc.

568. Franklin Needle Co., Franklin, N. H. Latch needles. 32-O-49 668

GROUP 118.

Wrought Iron and Thin Metal Exhibits.

569. Davis-Creswell M'fg Co., Denver, Colo. Heavy solid ornamental brass railing. 26-M-27 743

GROUP 120.

Plumbing and Sanitary Materials.

570. Davis-Creswell M'fg Co., Denver, Colo. Plumbers and steam-fitters' goods, models of patent wooden pipe for water. 26-M-27 736

DEPARTMENT J.

GROUP 123.

Apparatus for Electrical Measurements.

571. Brush Electric Co., Cleveland, Ohio. Ammeters and dials. 764
572. Mather Electric Co., Manchester, Conn. Instruments of precision. 764

GROUP 125.

Machines and Appliances for Producing  
Electrical Currents by Mechanical  
Power, Dynamical Electricity.

573. Fort Wayne Electric Co., Fort Wayne, Ind. a Generators. Dept. F 765  
b Arc dynamos. 766
574. Mather Electric Co., Manchester, Conn. Power generators. 765

GROUP 128.

Application of Electric Motors.

575. Westinghouse Electric Manufacturing Co., Pittsburg, Pa. a Motors applied to railways. 770  
b Motors applied to general machinery. 776

GROUP 138 A.

576. Russell & Co., Massillon, Ohio. Steam engines. b
577. Webster Manufacturing Co., Chicago. Shafting pulleys and clutches. b

DEPARTMENT L.

GROUP 147.

Hygiene.

578. Worthington, Henry R., New York. Sewage and irrigating pumps. PP.—A, C & E-2&3 825

GROUP 151.

Instruments of Precision, Experimental  
Research, etc.

579. Hohmann & Maurer Manufacturing Co., Brooklyn, N. Y. Thermometers. 874

## AUSTRIA.

LOCATION—J, 11-14.

Motors, Machinery, Miscellaneous Hand Tools, Coast Defense, Collective Exhibit.

## GROUP 69.

1. Dumont, Paul, Vienna. Sanitary plants, aqueducts. 417
2. Petrik & Co., Bodenbach. Anticrustation composition for steam boilers. 413
3. Poeschl's, Joseph, Sons, Vienna. Leather belting. 416

## GROUP 72.

4. Zech, A., Vienna. Embroidering machine. 443

## GROUP 77.

5. Holmes, I., Vienna. Glass engraving machine. 486
  6. Ringhoffer, F., Smichow (Bohemia). Photographs of brewery plants. 486
- 990 steam engines were constructed, 1,600 boilers, complete installations for 700 breweries and malt houses, 150 sugar factories and 100 distilleries. Export to Germany, Russia, Switzerland, Sweden. 2,600 hands. Highest awards Vienna, 1873, Paris, 1878, and 40 others.

7. Winkler, Alois, & Co., Vienna. Zinc cast labels and illustrations. 486

Exhibits Classified in Other Departments, but Installed in This.

## DEPARTMENT G.

## GROUP 86.

Naval Warfare and Coast Defense.

8. Skoda, E., Pilsen, Austria. a Steel castings. 542  
b Quick firing guns.

Castings for locomotives, rolling stock machinery and propellers for ocean steamers. A. Gottlieb, Agt., Major Block, Chicago.

Collective Exhibit of Austrian Patentees and Inventors.

1. Brausil & Co., Vienna. Wooden ornaments.
2. Brenner, Joachim, Vöslau (Lower Austria). Egg-cutter.
3. Brömer-Elmerhausen and Reich, Vienna. "Passepantout," punching machine for all kinds of leather straps.
4. Buigue, Joseph de, Vienna. Railroad model.

5. Deckert & Homolka, Vienna. Graphite microphone system and the new microphone signal.
6. Dolezal, Rudolf, Prague. Fannell with electrical signal and closing apparatus.
7. Feitsinger & Co., Vienna. Patent-locks.
8. Fischer, Joseph, Vienna. Heater for feed-water, cleaning apparatus for boiler feed-water, surface-condensator, drying-stand for beer-returns.
9. Gattinger, Francis, Vienna. Field telephone.
10. Gentzsch, Adolph, Vienna. Metal coatings, electrical insulators, wood impregnation.
11. Gerlitz, Gottlieb, Graz. Surgical apparatus.
12. Heller's, Balduin, Sons, Teplitz. Patent candlesticks, patent boiler.
13. Jentzsch, Rob. B., Vienna. Musket-securing and sundry rifle systems.
14. Jokl, Edm., and Sig. Raudnitz, Vienna. Inoxidating wrought and cast-iron.
15. Kellner, Charles, Vienna - Hallein. Spinning machine, oil painting by a photographic method; teeth enamel, sulphite cellulose apparatus, electro apparatus.
16. Klinger, Richard, Vienna. Water gauges.
17. Kolb, Joseph, Vienna. Hat holders.
18. Kotzauer, Wenč., Vienna. Apparatus for measuring distances.
19. Kreitmeyer, Adam Joseph, Vienna. Artificial stones.
20. Landerl, Ferd., Vienna. Lifting jacks.
21. Matscheko & Schrödl, Vienna. Artificial stone.
22. Markus, Siegfried, Vienna. Apparatus for producing air-gas; grate with cleaning gear and rotary-engine.
23. Michels Hemp-retting and Rope Manufactory, G. Palanka and Vienna. Regulating rope-joints for transmission ropes.
24. Nadler, John, Vienna. Heat-regulator.
25. Pellikan, C., Otto, Vienna-Praterstern. Patent safety lamps.
26. Pessl, Adolphus, Vienna. Rope-joints.
27. Porges, Charles Augustus. H regulator.

## Collective Exhibit of Austrian Patentees and Inventors.

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|---|---|
| <p>28. Rack, Adolphus, Vienna. Model of a malt-kiln with independent hurdles.</p> <p>29. Rivnac, K., &amp; Co., Prague. Patent smoke gas heating stoves.</p> <p>30. Rohonczy, Gedeon of, Vienna. Skates.</p> <p>31. Schindler-Jenny, F. W., Kemmelbach near Bregenz. Pavilion with electrical apparatus.</p> <p>32. Schmidt &amp; Bell, Vienna. Railway cars.</p> <p>33. Schönberger Bros., Vienna. Repeating pistols.</p> <p>34. Schrabetz, Emil, Vienna. Anti-fluctuator, control apparatus.</p> <p>35. Semler, W., Vienna. Theatre arm chairs.</p> | <p>36. Sochor's, John, Sons, Neunkirch near Vienna. Sample collection of chains, ball beads and other chains.</p> <p>37. Weiss, Frederic, Vienna. Calculating apparatus.</p> <p>38. Weissenböck, John &amp; Co., Vienna. Bottle stoppers.</p> <p>39. Welsbach &amp; Williams, Vienna. Candescant lamps.</p> <p>40. Wratitsch, Joseph, Vienna. Kiosk transparent, continually revolving verticements.</p> <p>41. Wratitsch, Joseph, &amp; Co. Advertisement kiosk.</p> |
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## BELGIUM.

LOCATION—F-J, 5-10.

## Motors, Fire Engines, Machinery, Mechanical Processes, Lithography.

## GROUP 69.

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| 1. Dervaux & Co., Farciennes. Water filter.                                    | 417 |
| 2. Heinrichs, Jos., Verviers. Plans of steam engines.                          | 415 |
| 2a. Hepner, Brussels. Fire grates.   | 422 |
| 3. Lindebriengs-Cuyx, H., Louvain. Leather belting, shafting, etc.             | 416 |
| 4. Société anonyme des forges, usines et fonderies de Gilly, Gilly. Gas motor. | 415 |
| 4a. Thomas, Sr., & Sons, Liege. Blowing fan portable forges.                   | 419 |

## GROUP 70.

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| 5. Bertels, Jos., Antwerp. Fire ladder.        | 427 |
| 6. Soubre & Berryer, Liège. Fire engines.      | 425 |
| 7. Tombeur & Co., Brussels. Fire extinguisher. | 429 |

## GROUP 72.

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| 8. Couvreur, Maurice, Verviers. Paper tubes, bobbins, spindles, etc., for spinning. | 437 |
| 9. Defraiteur, Eugene, Verviers. Paper tubes for spinning.                          | 437 |
| 10. Duesburg-Deleuz, M., Verviers. Cards for worsted working machinery.             | 437 |
| 11. Houget, Ferdinand, Verviers. Cards for worsted working machines.                | 437 |

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| 14. Lonhienne, A., Fils, Verviers. Paper tubes, bobbins, spindles, etc., for spinning.         | 437 |
| 15. Martin, Celestin, Verviers. Worsted working machine.                                       | 437 |
| 16. Société anonyme Vervietoise de construction, Verviers. Drawing of worsted working machine. | 437 |

## GROUP 75.

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| 17. Dars & Co., Merbes-le-Chateau. Signs for posters in colors. | 437 |
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## GROUP 76.

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| 18. Sober, Edmond, & Frères, Brussels. Printed handkerchiefs. | 437 |
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## GROUP 77.

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| 19. Des Cressonnières, A. & E., Brussels. Machine for grinding and drying. | 437 |
| 20. Foidart, Mathieu, Brussels. Machinery appliances, springs, etc.        | 437 |
| 21. Henricot, Emile, Court-Saint-Etienne. Oil cans.                        | 437 |

## GROUP 78.

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| 23. Thomas, Père & Fils, Liege. Portable forges. | 437 |
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## GROUP 79.

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| 24. Candell, Ch., Brussels. Confectionery machinery. | 437 |
| 25. Lefèvre, H., Brussels. Confectionery machine.    | 437 |

Railways, Vehicles, Vessels, Marine Transportation.

1. Van Duuren, Nicolas, Brussels. Bolt-  
ing mill cylinder. 494

Exhibits Classified in Other Departments,  
but Installed in This.

DEPARTMENT G.

GROUP 80.

Always, Railway Plant and Equipment.

7. Henricot, Emile, Court-Saint-Etienne.  
Under-boxes and axle-boxes used on  
railways. 500

8. Legrand, Achille, Mons.  
a Portable single rail tracks, tramway  
line, crossings, turn-tables, metallic  
sleepers. 499  
b Rolling stock. 500

9. Luyers, Charles, & Co., Brussels.  
Railway brake. 500

10. Mabile, Valere, Mariemont. Buffers,  
draw-bars, screw-couplings, axles, wheels,  
springs, forgings and safety chains and  
valves for locomotives, etc. 500

11. Petitjean, Joseph, Renory-Angleur.  
Wooden and metallic sleepers, with  
clamps and rails, bolt and nut. 499

12. Societe anonyme de Caume & Mar-  
pent, Haine-Saint-Pierre. Wheels and  
axles. 500

13a. Sottiaux, A. Coal chute and trucks.  
500

33. Wasterlain, Jules, Malines. Small  
railway, and car coupler. 500

GROUP 88.

Vehicles and Methods of Transportation  
on Common Roads.

34. Bandewyns, Alph, Ixelles-Brussels.  
Samples of carriage painting. 522

35. Legrand, Achilles, Mons.  
a Tipping wagons, trucks and sugar  
cane wagons. 510  
b Mining and timber wagons. 511

36. Wasterlain, Jules, Malines. Wagon  
provided with automatic grappling ap-  
paratus. 511

GROUP 85.

Vessels, Boats, Marine, Lake and River  
Transportation.

37. Lindebriengs-Cuyx, Hubert, Louvain.  
Leather cable, ropes and cordage. 582

38. Mabile, Valere, Mariemont. Anchor  
chains, forgings, etc. 582

39. Vermeire-Hellebaut, P., Hamme near  
Termonde. Rope of various kinds, ship's  
rigging. 582

40. Vermeire, Marcel, Hamme near Ter-  
monde. Ropes of various sizes and kinds,  
ship's rigging. 582

BRAZIL.

LOCATION—F, 12.

Machinery Used in the Preparation of Foods.

GROUP 79.

1. Lidgerwood M'Fg Co., L'td., S. Paulo.  
Machinery for hulling pulped or un-  
pulped coffee. 497

2. McHardy Cia., S. Paulo, Campinas.  
Machinery for hulling pulped or un-  
pulped coffee. 497

3. Mechanica Importadora Cia., S.  
Paulo. Machinery for hulling pulped or  
unpulped coffee. 497

## CANADA.

LOCATION—F-J, 2-4.

## Motors, Fire Engines, Machines, Hand Tools and General Machinery.

## GROUP 69.

1. Abell, John, Engine & Machine Works, Toronto. Automatic and compound traction engine. 415
4. Dobbie & Stuart, Thorold, Ont. Hoisting machines. 420
5. Earle, S. R., Belleville, Ont. Air and steam injectors and exhausters. 419
- 6a. Killey-Beckett Eng. Co., Hamilton, Ont. Compound marine engine with adjustable propellers and high speed stationary engine. 415
7. Kingsley Boiler Co., St. John, N. B. Drop tube boilers. 413
8. Laird & Watson, Hamilton, Ont. Hot water heaters. 413
- 8a. Leonard, E., & Sons, London, Ont. High speed ball engine. 415
9. McAvity, T., & Sons, St. Johns, N. B. Pumps, injectors and general steam fittings. 417
10. Morrison, James, Toronto. General steam and plumbers fittings. 422
11. Robb Engineering Co., Amherst, N.S. High speed engine. 415
- 12a. Vernon Co., Ltd., Toronto. Clutch pulleys. Can. sec. 416
15. Wilson, J. C., & Co., Picton.
  - a Water wheels. 414
  - b Machine cut gear wheels. 416

## GROUP 70.

- 15a. Bonvier, N., Montreal. Fire escape. 427
- 16a. Ronald, J. D., Brussels, Ont.
  - a Village steam fire engine. 425
  - b Hose reel. 426

## GROUP 71.

18. Bertram, John, & Sons, Dundas, Ont. Planer, drill, lathe and shaper. 433
- 19a. Canadian Office & School Furniture Co., Preston, Ont. Multiple drill. Can. sec. 433
20. Central Bridge Co., Peterboro, Ont. Power hammer. 432

21. Jones & Baxter, Toronto. Metal stamping presses. 432
- 21a. London Machine Tool Co., London, Ont. Break lathe and engine lathe. 433
22. Stevens, Hamilton & Co., Galt, Ont. Shaping and drilling machines. 433

## GROUP 72.

24. Creelman, Wm., & Son, Truro, N.S. Flax spinning wheel. 433
- 24a. Dominion Embroidery Co., Toronto. Embroidering machine. 433
- 24b. Fortin Leather Measure M'fg Co., Quebec. Leather measurer. 433

## GROUP 73.

- 24a. Drake, F. J., Belleville, Ont. Saw set and gummer. 433
25. MacGregor, Gourlay & Co., Galt, Ont. Wood-working machinery. 433

## GROUP 77.

- 32a. Freeland, R., Toronto. Soap cutting machine. 433
33. LeBaron, Geo. A., Sherbrooke, Que. Wire-working machinery. 433
34. Lent & Coyne, Ridgeway, Ont. Washing machines and wringers. 433
- 34a. McAvity, T., & Sons, St. Johns, N.B. Lubricators, grease cups and general steam fittings. 433
35. Morrison, James, Brass M'fg Co., Toronto. General steam fittings and marine telegraph. 433

## GROUP 78.

36. Goldie & McCulloch, Galt, Ont. Brick machine. 433
39. Waterous Engine Works, Brantford, Ont. Brick machine. 433

## GROUP 79.

- 39a. Grimm, G. H., M'fg Co., Montreal. Maple syrup evaporator. 433
40. Vessot, S., & Co., Joliette, Quebec. Grain grinders. 433

## FRANCE.

LOCATION—H, 18-24.

## Motors, Machine Tools, General Machinery and Lithography.

## GROUP 69.

1. Bessonneau, Julien, Angers (Maine-et-Loire). Cables and cordage in iron, steel, copper, hemp, etc. 416
2. Bonelli, G., Boulogne-sur-Seine (Seine). Ice machine. 424
3. Bosélin, F. J., Les Lilas (Seine). Pumps and accessories. 417
4. Carne, Ph., Paris. Cords, cordage, cables in hemp, cotton, iron-wire, brass, steel, etc. 416
5. Combet, Joseph, Courbevoie (Seine). Machines for making ices. 424
6. Compagnie du Siphon Canalisé en Verre, Paris. Improved siphons and seltzogenes. 421
7. Crouan, H., Paris. Hot-air and gas engines. 415.
8. Desmarais et Cie, Paris. Hydraulic presses. 420
9. Domange, Albert, Paris. Leather belts for transmission. 416
10. Dresco, Veuve L., Paris. Watering pumps, etc. 417
11. Dreux, Louis, Presles (Seine-et-Oise). Automatic regulated feeding machine. 417
12. Durafort Pere et fils, Paris. Siphons and apparatus for gaseous drinks. 421
13. Durand, Bossin et Brard, Paris. Tubes in various metals. 422
14. Firminbac, Eugene, Paris.
  - a Gas and petroleum engines. 415
  - b Ice and cold air machines. 424
15. Holthausen, Frederic, Paris. Spiral descender, life-saving apparatus. 423
16. Le Blanc, Jules, Paris. Steam engine. 415
17. Lemichel et Cie, Paris. Elevator siphon. 417
18. Martin, Henri, Sotteville-les-Rouen (Seine-Inferieure). Drawing of steam-boiler with two furnaces. 413
19. Noel, Nicolas, Paris. Pumps for all uses. 417
20. Roussat, Jules, Paris. Frigorific machine. 424
21. Schneider et Cie, Creusot (Saone-et-Loire). Models of marine steam, stationary and compressed air engines. 415

23. Vermorel, B. V., Villefranche-sur-Saone (Rhone).
  - a Wine pump. 417
  - b Wine press. 420
24. Weissenthanner, A., Paris. Machines for fastening stoppers in glass, etc. 421

## GROUP 71.

25. Chouanard, Emile, Paris. Machine for sawing metals. 433
26. Dandoy-Mailliard, Lucq et Cie, Maubeuge (Nord). Machines and implements for working metals.
27. Dolizy, Alfred, Paris. Machines for cutting and shaping metals, etc. 433
28. Lathoud aine, Paris. Machines for punching, etc. 433

## GROUP 72.

29. Calabi, Paris. Rapid embroidering machine. 443
30. Cornely, E., et Fils, Paris. Machines for fancy embroidery. 443
31. Hurtu, Hautin et Diligeon, Paris.
  - a Embroidering machines. 443
  - b Sewing machines. 444
32. Lathoud aine, Paris. Embroidering machines. 443
33. Marmonier, Felix, Lyon. Machines for paper making. 440
34. Simon, D., Paris. Embroidering machines. 443
35. Vigneron, H., et Cie, Paris. Sewing machines. 444

## GROUP 73.

37. Tiersot, Achille, Paris. Saw, lathes, machine for cutting. 449
38. Trussion, Jean, Cette Herault. Planing machine. 449

## GROUP 74.

39. Turlot, Alfred, Paris. Specimens of type, stamps, etc. 466

## GROUP 75.

40. Firmin-Didot et Cie, Paris. Specimens of chromolithography. 469
41. Hardy-Milori et Cie, Montreuil-sous-Bois (Seine). Colored papers and prints. 479

**Mechanical Processes, Miscellaneous Hand Tools, Machines for Working Stone, etc.**

42. Schmautz, Charles, Paris. Rollers, leathers, and articles for lithography. 469  
 43. Taulet Bernade, Veuve Valentine, pres Saint-Gaudens. (Haute Garonne.) Lithographic presses for printing silk and cotton. 469

**GROUP 76.**

44. Barillot, Henri, Paris. Photo-engraving. 475

**GROUP 77.**

45. Bourdon, Edouard, Paris. Metallic manometers. 489  
 46. Brehier, E., et Cie, Paris. Machines for the manufacture of pharmaceutical products. 485  
 47. Cabrie-Gardien, Gustave, Paris. Carburating apparatus for the fabrication of gas. 486  
 48. Collectivite de la Boulangerie Francaises, Paris. Machines for bakery. 486  
 49. Des Cressionneres Freres, Lille (Nord). Machines for making toilet soap. 486  
 50. Dehaitre, Fernand, Paris. Plans of laundry plant and a drying machine. 484  
 51. Desmarais et Cie, Paris. Apparatus for the manufacture of stearine. 486  
 52. Ducloud et Thibaut, Paris. Machines for piercing and polishing diamonds, etc. 481  
 53. Grosselin, Pere et Fils, Sedan (Ardennes). Metallic wire working machine. 483  
 54. Leblanc, Jules, Paris. Machine for threading screw rings while hot. 486  
 55. Le Normand, Augusta, et Cie, Paris. Disincruster for steam boilers. 489  
 56. Martin, Fernand, Paris. Machines used in the making of mechanical playthings. 486  
 57. Muller et Roger, Paris. Accessory apparatus for boilers & steam engines. 489  
 58. Nadal, J., Paris. Machines for making helix buttons. 482  
 59. Navarre et Cie, Paris. Machines for the preserving of food. 486  
 60. Normand, Augustin et Cie, Havre (Seine-Inferieure). Food dish warmer. 486  
 61. Oreste-Martin, J. A., Paris. Generators and bellows for the inflation of India-rubber balls. 486  
 62. Piat, A., et ses Fils, Paris. Oscillating crucible-cupolas, double helical wheels, etc. 486

63. Vianney, Joseph, Trevoux (Ain). Draw plates for wire-drawing. 483

**GROUP 78.**

64. Chevallier, Henry, Paris. Lathes for engraving and cutting glass. 491  
 65. Fromont, Henri, Perreux (Seine). Machines for engraving glass and crystal. 491  
 66. Simon, Denis, Paris. Machines for engraving crystal. 491  
 67. Simonet, Quintin (Cotes-du-Nord). Grinding and triturating machine. 491  
 68. Vessiere Freres, Baccarat Meurthe-et-Moselle). Crystals engraved by means of a special machine. 491  
 69. Vincent, Rodolphe, Paris. Machines for engraving crystals.

**GROUP 79.**

70. Brehier, E., et Cie, Paris. Machines for manufacturers of preserves. 490  
 71. Combet, Joseph, Courbevoie (Seine). Confectioners' machine. 490  
 72. Compagnie de Fives-Lille, Paris. Drawings and photographs of sugar refining apparatus. 490  
 73. Lecornu, Pierre, Paris. Confectioners' machines. 490  
 74. Pillivuyt et Cie, Foecy Cher. Porcelain cylinders for flour mills. 494  
 74a. Schweitzer, A., Paris. Mills and millinery machinery. 494  
 75. Societe des Anciens Etablissements Cail, Paris. Apparatus for sugar mills, etc. 490  
 76. Societe Generale Meuniere La Ferte-sous-Jouarre (Seine-et-Marne). Millstones. 494

Exhibit Classed in Department J, but Installed in This.

**DEPARTMENT J.****GROUP 138.**

Progress and Development in Electrical Science and Construction, as Illustrated by Models and Drawings of Various Countries.

77. Schneider et Cie, Creusot (Saone-et-Loire). Designs of a central electricity depot, of a rolling electric bridge and of an alternating current dynamo. 819

## GERMANY.

LOCATION—M, 10-19 to R, 10-19.

## Motors and Apparatus for the Generation and Transmission of Power.

## GROUP 69.

1. Balcke, Telling & Co., Benrath near Duesseldorf. Wrought iron tubes. 422
2. Berlin-Anhaltische Maschinenbau-Aktiengesellschaft, Dessau. Endless driving rope gearing. 418
3. Briegleb, Hansen & Co., Gotha. Turbine water wheels, Knopp system. 414
5. Daimler Motoren-Gesellschaft, Cannstatt. Gas and Naptha motors. 415
6. Deutsch-Oesterreichische Mannesmann-Rohr Werke, Berlin. Seamless steel tubes. 422
- 6a. Donnelly & Co., Hamburg. Furnace cranes. 418
8. Duerr & Co., Ratingen, near Duesseldorf. Water tube boilers. 413
9. Duesseldorf-Ratingen Rochren Renelfabrik vorn Duerrs Co., Ratingen. Water tube boilers. 413
- 9a. Eisenwerke, Gaggenau, Gaggenau, Baden. Combined boiler and engine. 413
10. Feiten & Guelleaume, Coeln. Rope-gearing of hemp and cotton. 416
11. Fitzner, Wilhelm, Laurahuette. Welded pipes and boilers. 422
12. Gasmotoren Fabrik Deutz, Cologne-Deutz. Gas and petroleum engines. 415
- 12a. Gehrckens, C. Otto, Hamburg. Leather belting. 416
13. Germania, Schiff und Maschinenbau Aktiengesellschaft, Berlin. Pumps. 417
14. Grob, J. M., & Co., Leipsic. Motors. 415
- 14a. Guttman, Alfred, Hamburg. Steam sand blowing machine. 419
15. Hoveler & Dieckhaus, Pappenburg. Metal bearings. 416
15. Koerting Bros., Koertingshof, Hannover. Drawings of gas motors, etc. 415
16. Kroll, G. A. & Co., Hanover. Patent screws, dumb-waiters, etc. 420
17. Krupp Fried, "Grusonwerk," Magdeburg, Buckau.
  - Gas engines. 415
  - Hydraulic presses. 420
- Hydraulic presses for oil, lead pipes and steel wire cable presses, etc. Machinery for the manufacture of all sorts of blasting

sporting and military powder; also of smokeless powder and of gun cotton. Complete equipment of powder mills; hoists and cranes, coffee peeling and polishing machines. Chilled iron castings for any purpose whatever. Steel castings; foundry productions of cast iron, malleable cast iron, red brass and phosphor bronze.

18. Laissle, Hugo, Reutlingen-Oberkochen. Pulley moulding machines. 416

18a. Luermann, Fritz W., Osnabruck. Drawings of boilers. 413

19. Luther, G., Braunschweig. Engines. 415

20. Maschinenfabrik, Geishungen. Turbine water wheels. 414

21. Mohr & Federhoff, Mannheim. Drawings of cranes. 420

21a. Otto Gas Engine Works Deutz, Cologne. Gas and petroleum engines. 415

K-18-19 & 20 415

Gas and petroleum engines exclusive specialty. Founded 1834, by Otto and Langen, the pioneer inventors of the gas engine; 1,000 workmen, 40,000 engines, 250,000 H. P. in use; sizes up to 150 H. P. American works, Philadelphia; factories in Paris, Milan, Vienna, Liege, Copenhagen; 148 prize medals.

22. Ragodt, Dr. W., Hanover. Ice machines. 424

23. Rothe & Gruenewald, Berlin. Steam generators. 413

24. Schichau, F., Elbing. 1200 horsepower, triple expansion, and 200 horsepower stationary engines. 415

24a. Schwanitz, Carl, Berlin. Mechanical rubber goods. 416

24b. Simundt, Percy, Berlin. Cast steel fire grate bars. 413

Representative, Ed. Wertheim. Rooms 403 and 404 Omaha Building, Chicago.

24c. Swiderski, Ph., Leipsic-Plagwitz. Crude oil engines. 415

25. Wolf, R., Magdeburg, Buckau. Engines. 415

Largest works on the European continent, making the most economical and most durable, semi-portable and portable engines: having "extractible" tubular boilers.

## Fire Apparatus, Machine Tools, Textile Fabric Machinery, Printing Machinery, etc.

## GROUP 70.

26. Bithorn, M., Berlin. Ladders. 427  
 27. Blasberg, Eugen. Duesseldorf. Extension ladders. 427  
 28. Magirus, C. D., Ulm-on-the-Danube.  
   a Photos of ladders. 427  
   b Photos of fire extinguishing apparatus. 429

## GROUP 71.

- 28a. Baler, A., & Co., Schandau. Paper file handles. 430  
 28b. Eisenwerke, Gaggenau, Gaggenau Baden. Machine tools. 433  
 28c. Ehrhardt, Heinrich, Dusseldorf. Saws for iron and steel, milling cutters and steel sawing machines. 433  
 Machine Tool Works, Zella, St. Blasii. Gustave Ehrhardt & Sons, Pittsburg, Pa. Cold saws all sizes: circular, band, scroll, etc. J. G. Braun & Co., Sole Agts., 379 S. Paulina St., Chicago. See advt. Official Directory.  
 29. Industriewerke Aktiengesellschaft, Landsberg, Bavaria. Tools. 430  
 30. Krupp, Friedr., Essen. Parts of machinery, steel forgings and castings. 432  
 30a. Krupp, Fried.—"Grusonwerk," Magdeburg-Buckau. Chilled and malleable iron parts of machinery. 432  
 31. Mannesmann-Rohr Werke, Berlin. Mannesmann tubes for milling cutters. 433  
 31a. Meyer, Focke & Co., Radeberg. Fine files. 430  
 31b. Zettner, Gibr., Amberg. Large files. 430

## GROUP 72.

32. Bauch, A., successor Lichtenslein, Saxony. Weaving utensils. 442  
 33. Deutsch-Amerikanische Maschinen-gesellschaft, Frankfurt-on-the-Main. Machines for the manufacture of shoes. 446  
 34. Eckhardt, Louis, Hamburg. Machines for making boots and shoes. 446  
 34a. Fuchs, Joh. Wolff., Nuremberg. Wire and wire brushes. 442  
 35. Gessner, Ernst, Aue, Saxony. Machines for the textile industry. 442  
 36. Hoffmann, Oswald, Neugersdorf, Saxony. Yarn reel. 439  
 37. Lintz & Eckhardt, Berlin.  
   a Embroidery machines. 443  
   b Sewing machines. 444  
 38. Monforts, A., M., Gladbach.  
   a Combing machine. 435  
   b Gg, cleaning machine. 436  
 39. Pabst, Ernst, Aue, Saxony. Tin spools for textile work and bobbins. 442

- 39a. Philippssohn & Leschziner, Berlin. Cloth cutting machines. 436  
 39b. Schirmer, Blau & Co., Berlin. Embroidery machine. 443  
 39c. Staedler & Uhl, Schwabach, Bavaria. Pins for worsted spinning, etc. 437  
 39d. Stoll, H. & Co., Wurtemberg. Knitting machines. 442  
 40. Tohang, Heinar, & Co., Lobberich-Rhineland. Weaving appliances. 442  
 41. Yust, J., & Co., Chemnitz, Saxony. Weaving utensils. 442

## GROUP 73.

42. Forchheimer, Salomon, Stromlaenge, Passau. Safety contrivance for circular saws. 447  
 43. Kirchner, Ernest & Co., Leipzig, Sellershausen.  
   a Saws. 447  
   b Woodworking machinery. 448  
 44. Roller, A., Berlin. Machines for the manufacture of matches and match boxes. 449

## GROUP 74.

45. Brehmer Bros., Leipsic, Plagwitz. Wire and thread stitching machine. 460  
 Chas. Beck Paper Co., Limited, Philadelphia, Pa. sole agents United States.  
 46. Eck, Josef & Sons, Duesseldorf. Embossing machines, also Verry-Eck paper cutter, and paper and cloth calenders. 469  
 47. Foerste & Tromm, Leipsic. Paper ruling machines. 468  
 47a. Krause, Carl, Leipsic. Bookbinding machinery. 460  
 48. Maschinenfabrik-Augsburg, Augsburg. Rotary and steam printing press. 450  
 49. Meisenbach, G. & Co., Munich. Book-printing articles. 463  
 50. Molitor & Co., Heidelberg. Hand presses and printers tools. 450  
 51. Roeder, C. G., Leipsic. Products of book and music printing. 466  
 52. Saltzkorn, E. & Nikolai L., Dresden. Bookbinding machines and paper box machinery. 460  
 53. Schnoezula, Franz, Berlin. Stamps and types. 466  
 54. Wunderlich, Bruno, Berlin. Corroded cylinders. 468

## GROUP 76.

55. Albert, Jos., Munich. Colored half-tones, illustrated works and photo-gravures. 479  
 56. Anklam, Albert, Berlin. Impressions of engravings. 479  
 57. Baumgarten, E. von, Munich. Chromolithographs. 479

## Mechanical Processes of Illustrating, Miscellaneous Hand-Tools and Machinery.

53. **Berliner Kunstdruck und Verlagsanstalt**, vormals, A. & C. Kaufmann, Berlin. Artistic reproductions of chromo-lithography, etc. 479
59. **Foerster & Borries**, Zwiskau. Samples of printing, chromo types, etc. 479
60. **Frisch, Albert**, Berlin. Prints. 479
61. **German Imperial Printing Office**, Berlin. Heliographic products. 479
62. **Hanstaengel, Franz**, Munich. Photoengravings, zinc etchings. 479
63. **Kast & Ehinger**, Stuttgart. Lithographic and typographic colored prints. 479
64. **Max Junghaendel**, Berlin. Prints on silk. 479
68. **Koelsche, Jos.**, Buchhandlung, Kempten. Photo-lithograph, etc. 479
69. **Lithographische Artistische Anstalt**, Munich. Chromo lithograph. 479
70. **Meisenbach, G., & Co.**, Munich. Ruling for half tones. 472
71. **Meissner & Buch**, Leipsic. Colored prints. 479
72. **Menne & Co.**, Crefeld. Silk labels, initials, trade marks. 479
73. **Muehlmann, T.**, Berlin. Engravings for fancy paper, etc. 479
74. **Obernatter, J. B.**, Munich. Heliogravures and phototypes. 479
75. **Papierfabrik Sondern**, Sondern i-W. Silk labels for bottles. 479
76. **Photographische Gesellschaft**, Berlin. Reproductions of art work, Photogravure. 479
77. **Pinkas, Emil**, Leipsic. Lithographic products. 479
79. **Proesanthor, Moritz**, Nachf, Leipsic. Lithographs. 479
80. **Reichsdruckerei Kaiserlich Deutsche**, Berlin. Products of art printing, heliography, etc. 479
81. **Riffarth, Heinr. & Co.**, Berlin. Photogravures, products of zincography and copper printing. 479
82. **Schuster, Rudolf**, Berlin. Prints and etchings, photogravures. 479
83. **Schultz, C. H. S.**, Schoeneberg, near Berlin. Photo-pastels on silk. 479
85. **Voitz, Karl**, Berlin. Engravings. 479
86. **Vereinigung der Kunstfreunde fuer Aintliche**, Publicationen der Koenigl, National Galerie, Berlin. Colored print reproductions. 479
87. **Voigt & Hochgesang**, Inhaber R. Brunnee, Goettingen. Microscopic designs for etching. 476
88. **Wagner, R.**, Berlin. Etchings. 479

## GROUP 77.

89. **Beckert, Ernst**, Chemnitz, Saxony. Needles for knitting machines. 486
- 89a. **Custodis, Alphons**, Dusseldorf. Dasy-meter, air-pyrometer, anemometers and chimneys for factories. 489
90. **Gehre, M.**, Rath, near Dusseldorf. Steam gauge. 489
91. **Gruebe, Wilh.**, Berlin. Stamps for stamping glass. 486
92. **Heipcke, Ed.**, Braunschweig. Butcher-ing machinery. 486
93. **Hemmer, L. Ph.**, Aachen. (Aix-la Chapelle). Rotary fulling mill and scouring mill. 448
- 93a. **Junkers, Hugo**, Dessau. Calorimeters, for measuring the heating effect of combustible gases. 489
- 93b. **Karges, Braunschweig**. Sausage making machinery. 486
- 93c. **Keidel & Co.**, Berlin. Patent machines. 486
- Our special business is the sale of all new and important German inventions in America, and vice versa, recent important American inventions in Germany.
94. **Lorentz & Poltermann**, Altenburg, Saxony. Glove press. 486
95. **Malmedie & Co.**, Dusseldorf. Wire working machinery. 483
- Machines for the manufacture of wire nails, chains, hooks and eyes, railroad spikes, etc. Representative, Ed. Wertheim, rooms 403 and 404 Omaha Building, Chicago.
96. **Pretzel, Franz & Co.**, Berlin. Gear-ing articles, steam pipe cleaner, etc. 489
97. **Reinecker, J. C.**, Chemnitz, Saxony. Machine tools, milling cutters and other small tools. 489
98. **Reutlinger Strickmaschinenfabrik**, Reutlingen, Wurttemberg. Knitting machines. 486
99. **Rockstroh, F.**, Goerlitz. Gauges. 489
- 99a. **Schubert, Max**, Chemnitz. Manometers. 489
- 99b. **Wertheimer & Mathias**, Karlsruhe. Cigar bunching machinery. 486
- GROUP 78.
100. **Bock, O.**, Weimar. Model and drawing of a steam brick-kiln and factory of clay goods. 492
101. **Eisenwerke vorm Nagel & Kaemp**, Aktiengesellschaft, Hamburg. Portland cement works and crane plant. 492
102. **Hoffmann, Fr.**, Berlin. Model and drawings of kiln for brick, lime and cement. 492
103. **Maschinenfabrik Geislingen**, Geislingen. Cement works. 492

## Machines for Working Stone, Machinery Used in Preparation of Foods, Miscellaneous.

104. Polysius, G., Dessau. Portland cement works equipment, gearings, couplings, etc. 493  
Under runner mills for grinding all hard materials, stone crushers, crushing rolls, steam engines, shafting.
105. Schmelzer, L., Magdeburg. Tile machines, clay cutters, etc. 492
106. Seger, Dr. H., & E. Kramer, Berlin. Machines and apparatus for the test of Portland cement. 492

## GROUP 79.

107. Bertram, Hermann, Halle-a-d-S. Dough parting machine. 494
108. Braunschweiger Maschinenbau Anstalt, Braunschweig. Machines for the manufacture of sugar. 495
109. Eisenwerke vorm Nagel & Kaemp, Aktiengesellschaft, Hamburg. Drawings of rye-mill and rice-mill. 494
110. Foelsche, R., Halle-on-the-Saale. Drawing of a beet-sugar refinery, photographs of centrifugal machines and transportation plant. 495
- 110a. Karges, Braunschweig. Pea shelling machinery. 494
- 110b. Krupp, Fried., "Grusonwerk," Magdeburg, Buckau. Machinery for shelling and polishing coffee beans. 497
111. Lehmann, J. M., Dresden-Loebtan. Chocolate making machinery. 495
- 111a. Leinhaas, E., Freiberg. Distilling machinery. 496
- 111b. Luther, G., Braunschweig. Mills for preparation of cereals. 494
- Specialties: Corn, oil and other mills; grain elevator machinery; cement mills; turbines; steam engines (exhibited); roller mills, plansifters and cleaning mills. See exhibit in Transportation Building.

112. Macco, Heinrich, Siegen. Drawing of a rye-mill. 494
113. Maschinenfabrik Geislingen, Geislingen. Cereal mills. 494
114. Mayer, Hermann, Elberfeld. Confectioners' machinery. 495
- 114a. Mayer & Co., Kalk. Trieurs for flour mills. 494
115. Muehlenbau-Anstalt und Maschinenfabrik vorm Gebr. Seck, Dresden. Milling machinery. 494
- 115a. Seck Bros., Ltd., Dresden. Milling machinery. 494
- H. Seck's Patent Reform Purifier. Representative, Ed. Wertheim. Rooms 408 and 404 Omaha Building, Chicago.
116. Werner & Pfeiderer, Cannstadt. Kneading and mixing machines. 494

Exhibits Classed in Other Departments but Installed in This.

## DEPARTMENT H.

## GROUP 101.

117. Wertheim, Louis, Frankfort-a-M. Asbestos goods. 637  
Every kind of engine packings, boiler and pipe coverings, electric insulating, asbestos fire and acid proof garments. Model of fire-proof asbestos, theater fire-proof wall paper. Representative, Ed. Wertheim. Rooms 403 and 404 Omaha Building, Chicago.

## DEPARTMENT L.

## GROUP 148.

118. Loeb, Bernhard, Berlin. Respiring apparatus. 837

## GREAT BRITAIN.

LOCATION—M, 2-9 to R, 2-9.

Motors and Apparatus for the Generation and Transmission of Power.

## GROUP 69.

1. Baker, Joseph, & Sons, London. Oil and gas engines. 415  
For all motive power used. 18 gold medals.
2. Caddy & Co., L'td., Nottingham. Smoke-consuming fire-bars. 415
4. Economic Smokeless Fire Company, Bradford. Smoke-consuming and fuel economizing appliances. 415
- 4a. Ewart & Son, London. Gas controllers, water heaters. 422
5. Galloways, L'td., Manchester. Engine driving shafting. 416
7. Griffin, John, Bally MacThomas, Cork, Ireland. Belting. 416
9. Hornsby, Richard & Sons, L'td., Grantham. Engine. 415
- 9a. Joy, David, London. Models of valve gears. 422  
Moving picture models of the "Joy Valve Gear" as constructed for marine engines to a total of 400,000 H. P., and for two thousand locomotives. Has been exhibited four times, and received four gold medals.
13. Moncreiff, John, Perth, Scotland. Boiler gauge glasses. 422
14. Macfarlane, Strang & Co., L'td., London. Cast iron pipes, valves and hydrants. 422
- 14a. McCulloch, James, London. Air compressor, tandem principle, direct acting, balanced. 418
15. Noble, Brown & Co., Leeds. Portable pumps, shower baths, etc. 417
16. Phillips, Theodore, Middlesboro. Lubricating bags. 422
18. Smith, Sydney & Sons, Nottingham. Engine and boiler fittings. 422
19. Stott, James & Co., London. Gas governors. 422
20. Wade, J. Amnytage, Hornsea. Pumps and their apparatus. 417
21. Willans & Robinson, L'td., Thames Ditton, Surrey. 415  
a Engines. 415  
b Driving shafting. 416  
c Engine and dynamo.

## GROUP 70.

23. Haslam Fire Extinguishing Company, Bolton. Fire extinguishers and appliances. 429
25. Messer & Thorpe, London. Bucket fire extinguisher. 429
26. Noble, Brown & Co., Leeds. Chemical fire engines. 429

## GROUP 71.

- 26a. Foster, A., & Son, Sheffield. Metal working tools. 433
27. Massey, B. & S., Manchester. Steam hammers, sawing and forging tools. 432
28. Wright, Peter, & Sons, Dudley. Anvils, vices, smith's tools, etc. 430

## GROUP 72.

31. Crippin & Young, Manchester. Dyeing of rovings and cops. 435
32. Grant, W. H., & Co., Coventry. Silk weaving loom in motion, small machines. 443
34. Platt Bros. & Co., L'td., Oldham. Cotton cleaning, carding and combing machinery. 435
35. Roberts, Royle & Co., Manchester. Light power loom. 442
36. Stevens, Thomas, Coventry. Figure loom. 443
37. Wilkinson, Thomas, Coventry. 434  
a Loom for silk fabrics. 434  
b Loom for cotton fabrics. 435

## GROUP 73.

38. Shaws, L'td., Manchester. Brush boring machines and materials. 449

## GROUP 74.

41. Hilder, Chas. F., London. Type distributing, composing and justifying machines. 455

## GROUP 75.

42. Cytlinc, Machine Company, Leicester. Zinc-lithographic machine. 469  
Rotary throughout. Less size, weight and cost than ordinary. U. S. patents for

## Miscellaneous Hand-Tools, Machines and Apparatus, Machines for Working Stone.

## GROUP 77.

44. Baker, Joseph, & Sons, London. Bread and pastry machinery and patent ovens. Bakery Bldg. 486  
Producing all bread, cake, pastry, etc., for Exposition restaurants. 18 gold medals.
- 44a. Barnes Patent Dryer and Airing Syndicate, London. Clothes dryers and airers. 486
- 44b. Coultas, Y. P., Grantham. Apparatus for raising and lowering engine chimneys. 486
45. Crees & Co., Devizes. Dish washing machines. 486
46. Davies Bros. & Co., L'td., Wolverhampton. Galvanizing machinery, samples of manufacture. 486
- 46a. Finlay, Robert, Ireland. Soap molding machinery. 486
47. Francis & Co., L'td., London. Cement testing machine. 486
48. Johnston, Jas., & Co., Manchester. Oven and dough kneading and mixing machines. 486
51. Phillips, Theo., Middlesborough. Lubricating bags for rollneck and engine bearings. 489

52. Waterforce Laundry Machine Company, London. Washing machines. 489
53. Werner & Pfeleiderer, London. Kneading, mixing and baking machines. 489

## GROUP 78.

54. Coward, W. H., Bath. Pulverizer for cement manufactures. 489
55. Fawcett, Thos. C., Leeds. Brick and tile machines. 489
57. Knowles, Henry, London. Models of kilns and ovens. 489
- 57a. McCulloch, James, London. Machines for drilling stone and rock. 489
58. Royle, Joseph, & Co., Birmingham. Sand blast machines. 489
59. Tilghman's Patent Sand Blast Company, L'td., Sheffield. Sand blast apparatus. 489

## GROUP 79.

60. Baker, Joseph, & Sons, London. Confectioners' machinery and models of bread and biscuit machinery. 489  
"World's Fair Bakery" making bread, etc. and all confectionery for all World's Fair restaurants. 18 gold medals.
61. Davies & Sneath, Liverpool. Mill stones. 489

## ITALY.

LOCATION—O. 22.

Motors, Fire Apparatus, Machinery, Lithography, Miscellaneous Hand-Tools, etc.

## GROUP 69.

1. Casarotti Bros., Padua. Water pumping machines. 417
2. Castel-Delfino, Marquis Mario, Rome. Boiler. 418
- 2a. Checchi, Genoa. Automatic liquid dropping machine. 418
3. Scarani, Luigi & Sons, Bologna. Bottling machine. 421
4. Schaffner, H. L., Florence. Model of steam engine. 415

## GROUP 70.

5. Bale & Edwards, Milan. Ladders. 427
- 5a. Porta, Paolo, Milan. Ladders. 427
- 5b. Viarengo, Emelio, Turin. Ladders. 427

## GROUP 71.

- 5c. Consolo, Turin. Knife grinding machinery. 433

## GROUP 72.

6. Bonelli, G., Rome. Embroidering machines. 443

## GROUP 74.

7. Montorfano, Antonio, Genoa. Printing presses. 450

## GROUP 76.

8. Belloni, Carlo, Milan. Lithographic work. 479

## GROUP 77.

9. Bosi, Luigi, Leghorn. Knitting machines. 486
- 9a. Falk, Rome. Optician machinery. 486
10. Pastore, Ferdinando, Turin. Machines. 486
11. Pastore, Teresa, Turin. Machines. 486
12. Ranieri, Luigi, Rome. Automatic machine. 486
13. Tancredi, Giuseppe, Naples. Machines. 486

## GROUP 78.

14. Boltri Bros., Milan. Forges. 493

## GROUP 79.

- 14a. Fravega, Fratilli, Milan. Paste mill. 494
15. Mercadante, Ferdinando, Lanciano. Mills. 494
16. Rivarra, Antonio, Catania. Paste mill. 494

## MEXICO.

LOCATION—F-J, 16.

Motors and Apparatus for the Generation and Transmission of Power.

## GROUP 69.

1. Belancourt Abundio, Toluca. Iron wheels. 416
2. Compania de Fundicion de fierro, Monterrey. Toothed wheels. 416
3. Compania de acero y fierro de Durango, State of Durango.
  - a Hangers and shafts. 416
  - b Pump. 417
  - c Valves and tubes. 422
4. Fundicion Nacional de Artilleria, Federal district. Capstan wheel. 416

5. Loubet y Ca Fundicion de Sinaloa, Mazatlan, State of Sinaloa.
  - a Boiler. 413
  - b Steam engines. 415
  - c Steam pumps. 417
6. Maestranza Nacional de Artilleria, Federal district. Pump. 417
7. Monterrey de Compania, Monterrey, State of Sinaloa. Steam engine. 415
8. Siglis e hijos Vinda, Toluca. Cam wheel. 416
9. Tena Hilario, San Luis Potosi. Bevel gears. 416

## Machinery for the Manufacture of Clothing, Lithography, Miscellaneous Hand Tools.

## GROUP 72.

10. Loubet y Ca Fundicion de Sinaloa, Mazatlan. Rasping machine. 439

## GROUP 74.

11. Maestranza Nacional de Artilleria, Federal district. Pressing machine. 453  
 12. Martinez, Rafael M., Guanajuato. Type. 466  
 13. Neve, Tomas F., Puebla. State of Puebla. Type. 466

## GROUP 75.

14. Escuela Industrial Militar, San Luis Potosi. Lithographic work. 469  
 15. Espinosa, Nazario, Zacatecas, State of Zacatecas. Lithographic work. 469  
 16. Guerrero, Praxedis, Ciudad Gonzalez, State of Guanajuato. Lithographic stone. 469  
 17. Lambarri, Miguel M., Queretaro, State of Queretaro. Lithographic work. 469

## GROUP 76.

18. Talleres Industriales de la Secretaria de Guerra, Tacubaya, Federal District. Photo-collographic work. 47  
 19. Talleres de la Fotocolografia de "Cosmos," Tacubaya, Federal District. Photo-collographic work. 47  
 20. Vazquez, Fonserrada Luis, Guadajara, State of Jalisco. Photo-lithography work. 47

## GROUP 77.

21. Fabrica Nacional de Armas, Federal District. Rifling, heading and cartridge machines.  
 22. Maestranza Nacional de Artilleria, Federal District. Wringer.

## GROUP 79.

23. Loubet y Ca, Fundicion de Sinaloa, Mazatlan, State of Sinaloa. Agave sugar-cane mills.  
 24. Rivera, Jose D, Puebla, State of Puebla. Corn mill and sheller.

## NEW SOUTH WALES.

## LOCATION—0, 21.

## Fire Apparatus, Printing Machinery, Lithography, Miscellaneous Hand Tools.

## GROUP 70.

1. Moir, Henry C., Sydney. Fire escape. 427

## GROUP 74.

2. Government Printer, Sydney.  
 a Electrotypes. 458  
 b Stereotype plates and matrix. 459  
 c Specimens of work done in the foundry, Government Printing Office. 466

## GROUP 75.

3. Turner & Henderson, Sydney. Specimens of heraldic and commercial engraving and chromo-lithographing.

## GROUP 77.

4. Austin, Robert, Sydney. Wash machine.  
 5. Griffiths, Thomas, Sydney. Gas interceptor.  
 6. M'Credie, Arthur Latimer, Sydney. Rail switch.

# RUSSIA.

**LOCATION—J, 17-18-19.**

**Motors, Lithography, Mechanical Processes, etc.**

**GROUP 69.**

- |   |     |
|---|-----|
| 1. Delone, Mr., St. Petersburg. Appliance for increase of power.  | 461 |
| 2. Jakovleff, Mr., St. Petersburg. Petroleum-motor.   | 418 |
| 3. Nobel, Mr., St. Petersburg. Petroleum-motor, blower and fire grate.  | 413 |
| 4. Rauser, Mr., Moscow. Automatical feeders.  | 422 |
| 5. Russian Naval Ministry, Iron works at Cronstadt. Iron ladder for use in the diving works.  | 423 |
| 6. Russian Naval Ministry, School of Divers in Cronstadt. Diving apparatus and diving appliances.   | 428 |
| 7. St. Petersburg's Iron Works of the Emperor sanctioned by His Majesty, the Emperor. Hardware projectiles, draughts and photographic sketches. |     |

**GROUP 70.**

- Zimine Nr. Scheme, Moscow. Model**  
**anti-fire system of town water supply.**  
428

**GROUP 78.**

- Meyer, Mr., Rega. Sawing board, 449**

**GROUP 75.**

- Benke, Mr., St. Petersburg. Samples  
Printed works. Dept. L 470  
Dusterdik, Mr., St. Petersburg.  
Album of chromo-lithographical sketches.

- Fon-Booll, Mr., St. Petersburg. Album of chromo-lithographical sketches. Dept. L 470

- Krayss, Mr., St. Petersburg. Photo-**  
**mechanical productions. Dept. L 470**

- Marks, Mr., St. Petersburg. Keep-**  
**es and photographs. Dept. J 470**

- Palanin, Mr., St. Petersburg. Samples  
Engravings. Dept. L 470

- Shtadrerls-Patting, St. Petersburg.  
Gures. Dept. L 470

- Solovieff, Mr., Moscow.** Chromo lithographical productions. Dept. L 470

- Fisher, Mr., St. Petersburg. Samples  
color printing. Dept. L 470

**GROUP 76.**

- Mironoff, Mr., Moscow. Album of  
 copies of proof impressions from wood  
 saving. 476

**GROUP 77.**

- 20a. Imperial Arsenal, St. Petersburg.  
Machine for testing strength of material.

### Exhibits Classed in Other Departments, but Installed in This.

**DEPARTMENT H.**

**GROUP 118.**

- |      |   |     |
|------|---|-----|
| 21.  | Metal Works of St. Petersburg.          |     |
|      | a Light artillery, machines, guns, etc. | 714 |
|      | b Heavy ordnance.                       | 715 |
| 21a. | War Department, St. Petersburg.         |     |
|      | Artillery instruments.                  | 714 |

**GROUP 115.**

- 22. Metal Works of St. Petersburg.**  
**Heaters.** 726

**GROUP 120.**

23. Metal Works of St. Petersburg.  
Sanitary and plumbing goods. 754

**DEPARTMENT J.**

**GROUP 126.**

24. **Lignoff, Alexander L.** Drawings of magnetic closet conduit system for electric traction on street railroads. 771

**GROUP 133.**

- 25. Persky, Mr., St. Petersburg.** Apparatus for protection against burglars and dynamite. 795

**GROUP 138.**

- 26. Dobroff, Mr., & General de Collongue,**  
St. Petersburg. Appliances for destroy-  
ing the effect of "Dynamo in Compass."  
819

**DEPARTMENT L.**

**GROUP 149.**

- |  |     |
|--|-----|
| 27. Institute of Technology, St. Petersburg. Work of students.   | 847 |
| 28. Tcherepovets, Mr., St. Petersburg. Technical school exhibit. | 847 |

**GROUP 151.**

29. Odhner, Mr., St. Petersburg. Arith-  
mometer. 865

## SPAIN.

LOCATION—K, 21.

Motors, Machines for Working Wood, Lithography, Miscellaneous Hand Tools, etc.

## GROUP 69.

1. Escuder y Castella, Miguel, Barcelona.  
  - a Gas motor. 415
  - b Double action pump. 417
2. Miguel y Amigo, Andres, Barcelona.  
 Model of pump for deep wells. 417
3. Oliver, Jose, San Martin de Proven-  
 sals. Hide cables and ropes. 416

## GROUP 73.

4. Escuder y Castella, Miguel, Barcelona.  
 Cork cutting machine, sewing machines  
 and thickening, moulding and planing ma-  
 chines, advertising drum. 449

## GROUP 75.

5. Bobes, Enrique de, Barcelona. Litho-  
 graphic works. 469
6. Fons, Francisco, Santander. Chromo-  
 lithographs. 469
7. Herrero Lopez, Manuel, Salamanca.  
 Specimens of polychromatic printing. 470
8. Taulet, L., Madrid. Lithographic  
 press for paper and silk. 469

## GROUP 77.

9. Baro y Alterachs, Jose, Barcelona.  
 Moulds for the manufacture of soup  
 pastes. 498
10. Ferrer Ganduxer, J., Gracia. Auto-  
 matic lubricators and manometers for  
 liquid and gases. 498
11. Viladerau, Lorenzo, Barcelona. Copper  
 moulds for fitting corsets. 499

## GROUP 79.

12. Baro y Alterachs, Jose, Barcelona.  
 Soup paste moulds. 498
13. Duart y Hijo, Jose, Barcelona. Ma-  
 chines for making wafers and sundry  
 pastes. 494
- 13a. Lamera y Cia, Angel, Santander.  
 Machine for crushing nuts. 497
14. Marrode y Lopez, Juan, Logroño.  
 Cascao mill. 497
15. Pierson, M., Madrid. Confectionery  
 machinery. 495
16. Puig y Negre, Barcelona. Machines  
 for crushing and separating nuts. 497
17. Valls Hermanos, Barcelona. Press  
 for making pastes and vermicelli; choco-  
 late grinding machines, etc. 494

# SWEDEN.

LOCATION—K, 22.

Motors, Machinery, Hand-Tools.

## GROUP 69.

1. Degerfors Jernverk, Degerfors. Rolled pipes. 422
2. Jernkontorets Kollektivutställning, Stockholm. Iron fittings. 422
3. Laval, Gustaf de, Ångturbinfabrik, Stockholm. Steam-turbines and same combined with dynamo. 414

## GROUP 72.

4. Husqvarna Vapenfabriks Aktiebolag, Jönköping. Worsted working machines. 487

## GROUP 73.

5. Bratt, Charles E., Stockholm. Cask making machines. 449
6. Ericsson, O. A., Gothenburg. Lathe for amateurs and watchmakers. 449

## GROUP 77.

7. Stevenson, N. Aug., Stockholm. Cock and tubes. 489

## GROUP 78.

8. Hasselberg, Per, Gothenburg. Pointing machine. 491

# SWITZERLAND.

LOCATION—O, 23.

Machine Tools and Machines for Working Metals, Machines for Working Stone, etc.

## GROUP 71.

1. Grobet Freres, Valorbès. Mechanics' files. 490

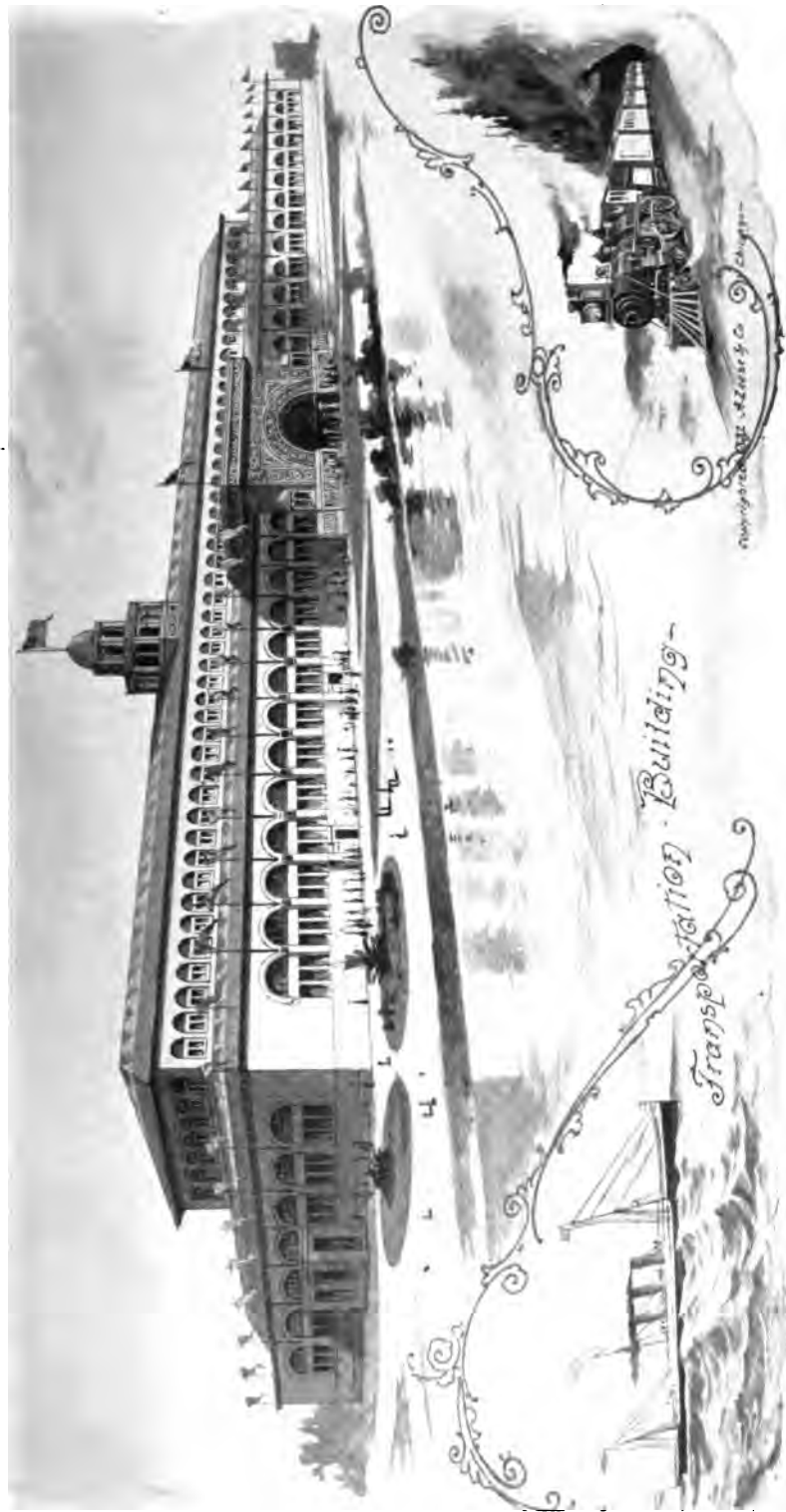
## GROUP 78.

2. Sulzer, H., & Co. Machine for cutting stone. 491

## GROUP 79.

3. Schindler, C., Escher. Bolting cloth. 494





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# WORLD'S COLUMBIAN EXPOSITION

1893

## OFFICIAL CATALOGUE

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### PART VII.

#### TRANSPORTATION EXHIBITS BUILDING, ANNEX, SPECIAL BUILDINGS AND THE LAGOON

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#### DEPARTMENT G. TRANSPORTATION EXHIBITS RAILWAYS, VESSELS, VEHICLES

WILLARD A. SMITH, CHIEF

---

EDITED BY  
THE DEPARTMENT OF PUBLICITY AND PROMOTION  
M. P. HANDY, CHIEF

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W. B. CONKEY COMPANY, PUBLISHERS  
TO THE  
WORLD'S COLUMBIAN EXPOSITION,  
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PRINTERS AND BINDERS

CHICAGO, ILL.

WORLD'S COLUMBIAN EXPOSITION

# TRANSPORTATION BUILDING.

The main building measures 960 feet front by 256 deep. From this extends westward to Stony Island avenue an annex covering about nine acres. The total floor space devoted to this department, including galleries, annexes, special buildings, etc., is nearly twenty acres. This annex is one story in height. The building is simple, but peculiar in its architecture, and the exterior is decorated in an elaborate manner in polychrome. In general style it savors of the Romanesque. The main entrance to the building consists of an immense single arch, enriched to an extraordinary degree with carvings and bas-reliefs. The interior of the building is treated after the manner of a Roman basilica, with broad nave and aisles. The cupola placed exactly in the center of the building rises 165 feet above the ground and is reached by eight elevators. The building cost about \$500,000. Architects, Adler & Sullivan, of Chicago.

There are three general divisions of exhibits in this department: The railway, marine and the vehicle divisions. For the most part the railway exhibits will be found in the large annex which was built especially for heavy exhibits of this character. The vehicle exhibits occupy the northern end of the main building and the annex; the marine exhibits, a portion of the southern-central part of the main building and the southern portion of the east gallery; the bicycle and saddlery exhibits, the northern gallery. The exhibits of each foreign country are, however, grouped in one location, thus interfering materially with the general plan of distribution.

On entering the building at the golden door, the visitor finds first at his right the exhibit of Great Britain. The English railway exhibit is located in the annex in Sections U and V. North of the British exhibit will be found those of Canada, Brazil, Mexico and a portion of that of Spain. Then come some important American railway exhibits and the American vehicle section.

Returning again to the golden door, the visitor turning to the left will observe the French section, including a large display of fine vehicles and railway machinery.

Immediately to the south of the French space will be found the exhibits of Russia, Austria, Turkey, Spain and Japan. Following these, to the south, is the principal portion of the American marine exhibit. The entire south end of the main building and the annex is devoted to the great exhibit of the German empire.

The main portion of the annex, from the English exhibit in Section U to the German exhibit in Section G, is occupied by a vast collection of American cars, locomotives and railway appliances of every possible description, and a considerable portion of the main building is also devoted to railways.

Beginning at the north and occupying very nearly the center of the annex is the exhibit prepared by the Baltimore & Ohio Railway Co., known as "The Railways of the World." To the south of this is an exhibit of two trains of Pullman palace cars. Following this exhibit are passenger cars, various forms of freight, street and tram cars and an exceedingly large variety of locomotives representing every locomotive building establishment in the United States but two.

The gallery, or entresol floor of the main building, is large and excellently lighted. It is accessible by six staircases and six elevators scattered at intervals under the gallery. The southern end of the gallery is occupied by a comprehensive exhibit by the associated engineering societies of Germany. The southern portion of the east gallery is devoted to marine, and the northern to bicycles. The north end of gallery is devoted to saddlery. The northwestern gallery belongs to the British section and contains bicycles and interesting loan exhibits. The southwestern gallery includes the marine and engineering divisions of the French section, the Netherlands and the Cape of Good Hope.

The large exhibits of the New York Central Railroad and the Wagner Palace Car Co. are south of the Annex, and the extensive exhibit of the Pennsylvania Railroad is still farther south across the street leading to the 64th street entrance. Both of these companies have beautiful and expensive buildings, besides their out-of-doors exhibit.

At the north end of the Horticultural Building is the exhibit of the White Star Line. The exhibit of Krupp, Essen, Germany, consisting of railway and naval material and heavy ordnance, is located in a special building on the lake shore at the southwestern portion of the grounds, between the Convent of La Rabida and the Leather and Shoe Trades Building.

— — — — —

1. *Chlorophyll a* (Chl *a*) is the primary photosynthetic pigment in most plants and algae. It is a green pigment that absorbs light energy in the blue and red regions of the visible spectrum.



1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial matters.

2. The second part outlines the various methods and tools used to collect and analyze data. This includes the use of surveys, interviews, and statistical software to ensure that the information gathered is reliable and valid.

3. The third part focuses on the ethical considerations surrounding data collection and analysis. It highlights the need to protect individual privacy and ensure that data is used responsibly and for its intended purpose.

4. The fourth part discusses the challenges faced in conducting research, such as limited resources, time constraints, and potential biases. It offers strategies to overcome these challenges and maintain the integrity of the research process.

5. The fifth part provides a summary of the findings and conclusions drawn from the research. It reiterates the importance of thorough documentation and the need for ongoing evaluation and improvement of research practices.

6. The final part of the document includes a list of references and a glossary of key terms, ensuring that all necessary information is accessible to the reader.

# How to Find Exhibitors and Their Exhibits.

The list of exhibitors from the United States will be found in the first portion of this catalogue, the foreign countries with their exhibits installed in Transportation Building following in alphabetical order. Each country has its exhibits numbered consecutively, and as far as practicable each exhibit has a card attached to it bearing the name of the country and the words "Official Catalogue Number," and that number corresponds with the number in this Catalogue. For example, if a card is found with the following matter thereon:

Department G.                      Transportation.  
United States.

Official Catalogue Number 210

the visitor will turn to 210 in the United States portion of the Catalogue where will be found the following entry:

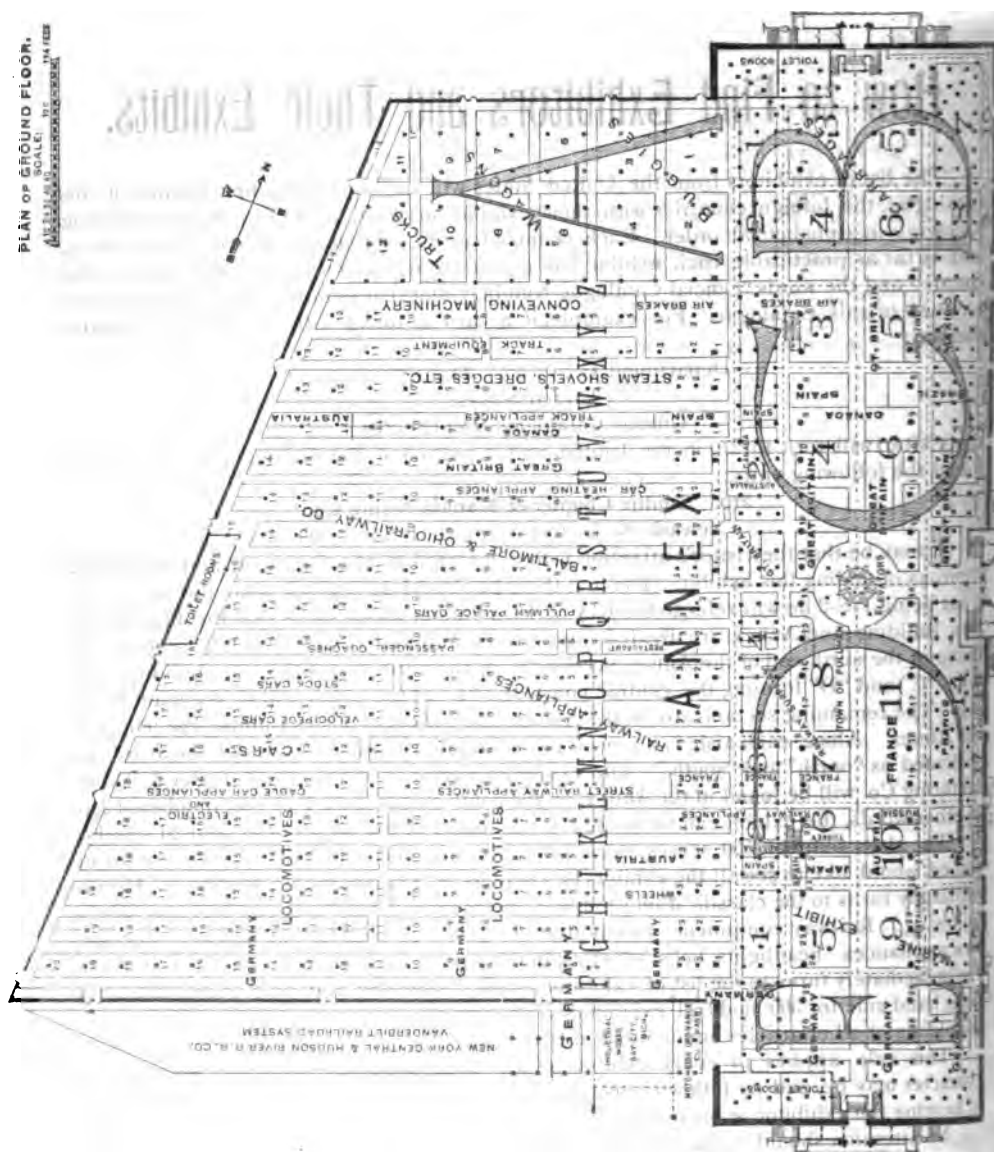
210. **Smillie Coupler & Manufacturing Co.,**  
Newark, N. J. Car coupler. P-S-2 500

It may be that the visitor's attention is first directed to the Catalogue and he may be desirous of finding this exhibit. The first thing he should do is to see what the location is. That being P-S-2 he will refer to the Key of Installation, which states that the Transportation Building and Annex are divided into sections, lettered from "A" to "Z," section "A" being at the north end of the Annex, section "B" at the north end of the main building, sections "C" and "D" forming the central court, and "E" at the south end of the main building. The remaining sections are in the Annex, and consist of aisles running the length of the Annex. Along each aisle is a row of posts, numbered, and the sides of the aisles are indicated as "north" and "south." The exhibit therefore of the Smillie Coupler & Manufacturing Co. will be found in the Annex, on the south side of aisle P at post numbered 2, or in other words, the exhibit can be located in the Annex at the corner of "P and 2d streets."

The class number 500 serves many purposes, and one especially. A visitor, for instance, would like to see all the exhibits of couplers in Transportation Building. He immediately turns to the classification grouping, where he will read in group 80, class 500 the following: Railway equipment—locomotives for passenger and freight service. Locomotive appliances—headlights, bells, whistles, brake valves, car-couplers and apparatus, etc. He immediately turns to the list of exhibitors under group 80 and by glancing down the left hand side for 500 finds all exhibitors alphabetically arranged who are exhibiting car couplers and other articles enumerated in that class.

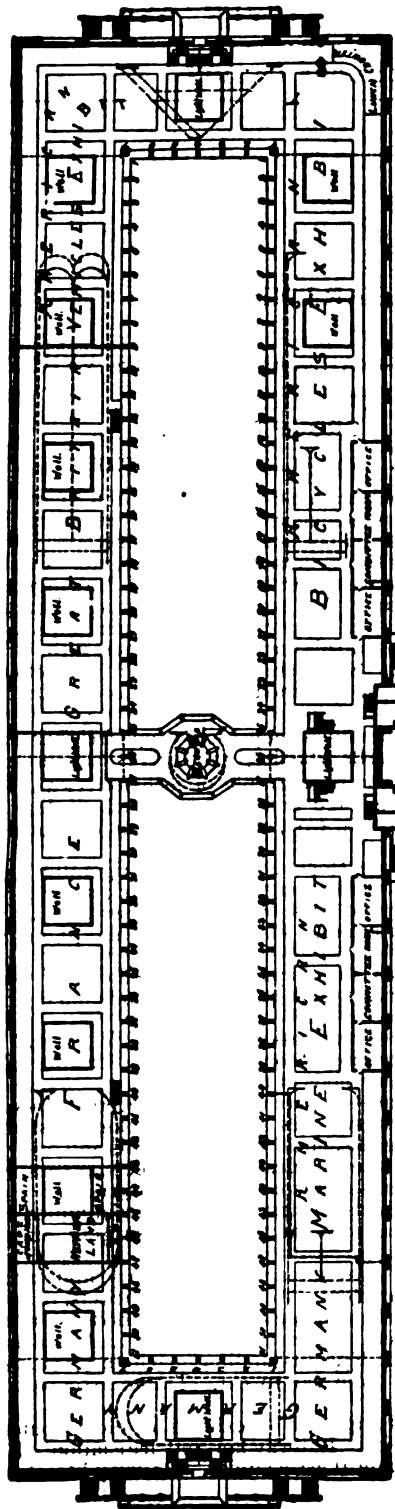
This rule applies to every exhibit in the Transportation Building, whatever its character may be, and by following the above plan the visitor will experience no difficulty in locating the exhibitor or his exhibit.

No attention should be paid to any numbers which may be affixed to exhibits except those appearing on cards in the form given above.



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PLAN OF ENTRANCE FLOOR.

SCALE

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TRANSPORTATION EXHIBITS BUILDING.



Box



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## DEPARTMENT G.

## TRANSPORTATION—RAILWAYS, VESSELS, VEHICLES.

## GROUP 80.

## RAILWAYS, RAILWAY PLANT AND EQUIPMENT.

- Class 499.** Railway construction and maintenance—maps, profiles, etc. Grading, track-laying and ballasting machinery. Samples of Standard Permanent Way. Systems of drainage. Ballast, culverts, ties, methods of preserving ties. Rails, rail fastenings, frogs, crossings, switches, etc. Cattle guards. Railway bridges, trestles, viaducts, with models and drawings. Tunneling, with machinery, models, maps. Methods of constructing, lighting and ventilating tunnels. Turn-tables and transfer-tables. Water supply and machinery and fixtures used by railroads in connection therewith. Track tools. Systems of maintenance. Snow sheds and other protection against snow. General plans, elevations and models of stations and other railroad structures.
- Class 500.** Railway equipment—locomotives for passenger and freight service. Locomotive appliances—headlights, bells, whistles, brake valves, car couplers and apparatus, etc. Plans, drawings and photographs of locomotives and locomotive shops. Passenger cars—mail, baggage and express coaches, drawing-room, parlor, dining, officers' and private cars, etc. Passenger car furnishings and appliances. Freight cars—box, caboose, stock, horse, milk, refrigerator and other varieties. Working cars—sweeping, ditching, wrecking, etc.; snow plows, hand, inspection, push and velocipede cars, baggage barrows and trucks. Freight car appliances of all descriptions. Plans, drawings and photographs of cars and car works.
- Class 501.** Railway operation—purchasing department. Methods of purchasing, storing and distributing material and disposition of condemned material. Railway stationery. Mechanical department—organization. Records, plans and management of shops. Devices for coaling locomotives, etc. Testing laboratories. Machines, apparatus and methods of testing. General train management—dispatching, signaling, etc. Speed indicators and recorders. Interlocking switches and signals, block systems, etc. Crossing protection by gates, signals, etc. Wrecking tools and appliances. Plans of yards and methods of storing, cleaning and keeping cars. Car interchange and inspection. Systems of accounting, records, tracers. Railway employees—methods of testing for color-blindness, etc. Uniforms, organizations, etc. Railway sanitation and surgery and appliances used therein.
- Class 502.** Railway management—legal department, treasury and accounting departments, passenger department. Advertising. Tickets, ticket cases, punches, baggage checks, etc. Freight department, methods of rate-making, soliciting, handling, billing, etc.; plans, arrangements and appliances for handling and hoisting of freight. Freight-handling machinery, track scales, apparatus for transferring grain from ear to car. Traffic associations, their objects, methods, etc.
- Class 503.** History and statistics, exemplified by exhibits of old locomotives, cars, track material and other relics.—Railway law and legislation. Railway technical engineering and mechanical associations, Railway literature.

GROUP 81.

STREET CAR AND OTHER SHORT LINE SYSTEMS.

- Class 504. Cable roads and cars. Construction, equipment, methods of operation. Grips and other appliances.
- Class 505. Electric railway cars. Systems of track construction, equipment and supplies for electric roads, methods of operation, appliances and furnishings.
- Class 506. Cars for street railways or tramways operated by horse-power or other means of propulsion not specified. Construction. Equipment and supplies. Methods of operation.
- Class 507. Elevated and underground railways. Plans, models and maps, showing systems of construction. Systems of operation and maintenance.

GROUP 82.

MISCELLANEOUS AND SPECIAL RAILWAYS.

- Class 508. Mountain railways, spirals, switchbacks, rack rails and all systems for climbing inclines, ship railways, multiple speed railways (moving platforms and sidewalks), gravity roads, sliding railways, plans, profiles, drawings, photographs and models.

GROUP 83.

VEHICLES AND METHODS OF TRANSPORTATION ON COMMON ROADS.

- Class 509. Hand-barrows, wheel-barrows, trunk and barrel-trucks.
- Class 510. Carts, trucks, drays, farm wagons, garden truck wagons.
- Class 511. Freight wagons and other heavy wagons for special purposes, beer wagons, express wagons, wagons for moving heavy objects, as timbers, stone, iron, etc. Sprinkling carts. (For fire engines and ladder trucks see Group 70.)
- Class 512. Large wagons for pleasure parties, picnic parties and excursions, "breaks," "barges," "wagonettes," etc.
- Class 513. Omnibuses, herdies, cabs, hansoms, etc.
- Class 514. Drags, Concord leather spring coaches; mud wagons for mail; express and passenger service.
- Class 515. Pleasure carriages, coaches, Victorias, broughams, dog carts, etc.
- Class 516. Light pleasure carriages, buggies, phaetons, etc.; trotting wagons and sulkies.
- Class 517. Sleighs, sleds, cutters, toboggans, snowshoes, etc.
- Class 518. Steam and electric carriages, and all vehicles for carrying passengers on common roads operated by other than horse-power.
- Class 519. Ambulances for special purposes—for the sick and injured. Hearses.
- Class 520. Bicycles, tricycles and the appurtenances.
- Class 521. Rolling chairs for invalids and others, baby carriages, etc.
- Class 522. Wagon and carriage woodwork, hardware and fittings.
- Class 523. Harness, saddlery, robes, whips and accessories of the stable.

GROUP 84.

AERIAL, PNEUMATIC AND OTHER FORMS OF TRANSPORTATION.

- Class 524. Transportation of letters and parcels in pneumatic tubes.
- Class 525. Shop-fittings for the transportation of parcels and money.
- Class 526. Balloon transportation and captive balloons for observation and experiment.
- Class 527. Passenger elevators and lifts.

GROUP 85.

VESSELS, BOATS—MARINE, LAKE AND RIVER TRANSPORTATION.

- Class 528. Sailing vessels and boats. Sailing vessels used in commerce, pilot boats, fishing vessels, sailing yachts, ice boats, ship's boats, pleasure boats, canoes and small boats of all kinds propelled by sails, oars or paddles. Models, designs, drawings, descriptions, specifications, photographs, paintings, etc.
- Class 529. Steamships and all vessels propelled by steam, electricity or motive power.

- other than sails, oars or paddles. Ocean steamships, coasting, lake and river steamers. Tank steamers, cable steamers, steam pilot vessels, steam fishing vessels, steam fire, police and patrol boats, steam schooners, tow-boats, steam yachts, steam launches, naphtha launches; vessels designed for jet propulsion or to be propelled by any unusual device. Models, designs, etc.
- Class 530.** Vessels, boats and floating structures for special purposes. Docks and other receptacles for vessels and structures used for docking or hauling out vessels or boats. Transports for carrying railway trains or cars, barges, canal boats; coal rafts and coal boxes; water boats, dredges, floating derricks, elevators, etc. Dry docks and marine railways. Models, designs, drawings, etc.
- Class 531.** Marine mechanical appliances. (For nautical instruments see Group 151.) (For marine engines, boilers, pumps, condensers and appurtenances see Group 69.) Devices for propulsion, devices for obtaining forced draft, steam capstans, windlasses, deck winches, appliances to facilitate loading and discharging cargoes, steering apparatus; marine electric motors, electric indicators, engine room and bridge signal systems and apparatus; boat-lowering and detaching apparatus, speed indicators and speed registers, appliances for laying, picking up and repairing ocean telegraph cables, etc.
- Class 532.** Construction, outfit, equipment and repair of vessels—methods, articles, fittings or appurtenances. Methods and materials used; special designs for hull or fittings; plates, cellulose, woodite, etc.; water-tight compartments, rudders, masts and spars, rigging; anchors, chains and cables; hawsers, ropes, cordage, wire rope, etc.; sails, blocks and tackles, oars, etc.
- Class 533.** Methods of lighting, heating, ventilation and refrigeration of ships.
- Class 534.** Protection of life and property and communication at sea. Harbors; light-houses; buoys and similar aids to navigation and all pertaining thereto; life-saving service, boats, rafts, belts, etc.; precautions against fire aboard ship and devices for extinguishing it; storm and coast signals; marine signals. Models, plans, samples, etc.
- Class 535.** Wrecking apparatus. Sub-marine armor and divers' appliances, pontoons for raising vessels, equipment for wrecking-steamers, etc.
- Class 536.** Miscellaneous. Trophies of yacht and boat clubs, relics of merchant marine and river transportation, relics of arctic and other exploration, seamen's associations, uniforms and designations of rank, flags and ensigns of merchant marine, yacht clubs, etc., designs, maps, charts, boats

## GROUP 86.

### NAVAL WARFARE AND COAST DEFENSE.

- Class 537.** Armored vessels. Battle-ships, rams, cruisers, coast defense ships. Models, designs, drawings, descriptions, specifications, photographs, paintings, etc.
- Class 538.** Unarmored vessels. Frigates, sloops and gun vessels, cruisers, dispatch vessels and tenders, torpedo vessels and torpedo boats, sub-marine boats, public vessels for special service, revenue vessels, surveying vessels, etc. Man-of-war boats, etc. Models, designs, etc.
- Class 539.** Ships and boats of war of barbarous and semi-civilized nations. Models, drawings, photographs, etc.
- Class 540.** Models and relics of famous ships of war, relics of naval battles, etc.
- Class 541.** Training ships; naval schools; naval institutes, naval reserve, etc.
- Class 542.** Guns and armor, and adjuncts and appliances of naval warfare (see also Group 113). Guns, armor, torpedoes, small arms for naval use, projectiles and ammunition, fuses, sub-marine mines, methods, devices, fittings or appliances designed for use in naval warfare and coast defense.

# Department G.--Transportation--Railways, Vessels, Vehicles.

## UNITED STATES.

### Railways, Railway Plant and Equipment.

#### GROUP 80.

#### Railways, Railway Plant and Equipment.

Exhibit No. Class'n No.

1. Adams, Frederick U., Chicago. Model of engine, tender and cars. M-N-10 500
2. Adams & Westlake Co., Chicago. Railway car trimmings and lighting appliances. D-7-18 500

The largest manufacturers in the world of bronze, brass and white metal railway car trimmings and lamps, headlights, signal lamps and lanterns. Window curtains, headlinings. High grade brass and iron molding and turning. Metal spinning and stamping.

3. Ajax Metal Co., Philadelphia. Journal bearings, etc. O-S-3 500
4. Allen, C. O., & Wellman, W. H., Pullman, Ill. Model of combination coach, dining car and sleeper. Y-S-7 500

5. Allen Paper Car Wheel Company, Chicago. Paper and metal center wheels. I-S-3 500

- 6a. Althouse Wheeler Co., Chicago. Automatic car coupler. P-S-10&11 500
7. American Balance Slide Valve Company, San Francisco. Balance slide valve. O-S-3 500

The mechanical principle of the beveled packing ring is perfect for self-maintenance and absolute steam joints. In use as standard on 30,000 miles of railroads, giving entire satisfaction in stationary and marine service. Simple, durable, economical and perfectly balanced.

- 7a. American Brake Co., St. Louis. Locomotive brakes. C-8-6-7 500

Exhibit No.

Class'n No.

- 7b. American Car Co., Basic City, Va. Fruit car for fast through traffic. Outside, W. of annex 500

- 7c. American Coupler Co., Chicago. Automatic car couplers. N-N-8&4 500

- 7d. American Nut Lock Company, St. Louis. Nut locks and track washers. X-N-8 499

9. American Refrigerator Transit Co., St. Louis. Refrigerator car. P-S-5 500

12. American Steel Wheel Co., Garwood, N. J. Steel locomotive and car wheels. M-N-4 500

- 12a. American Track & Car Co., Chicago. Trucks; high speed track, anti-friction side bearing; springs. L-S-18 500

13. Anglo-American Refrigerator Car Company, Chicago. Refrigerator car. O-N-5 500

14. Arcus, Sinclair, Chicago. Hand-car hoist. Q-S-4 499

15. Arms Palace Horse Car Company, Chicago. Cars for horses. P-S-14&16 500

16. Ashton Valve Co., Boston. Locomotive safety valves and gauges. I-S-4 500

17. Austin, F. C., Manufacturing Company, Chicago. Grader, ditcher and wagon loader. A-10 499

The New Era Grader is guaranteed capable of handling 1,000 cubic yards of earth in ten hours with six teams and three men.

18. Automatic Interchangeable Car Coupling Company, Chicago. Car couplers. O-N-4 500

19. Baldwin Locomotive Works, Philadelphia. Locomotives. K-N & K-S, 4 to 14; I-N-4-6; L-S-11 500

Single-expansion and compound locomotives. Adapted to every variety of service, built accurately to standard gauges and templates. Like parts of different engines

## Railways, Railway Plant and Equipment.

Exhibit No.	Class'n No.
of same class perfectly interchangeable. Broad and narrow gauge locomotives; mine and plantation locomotives.	
199a. Balet, J. W., New York. Drawing of cantilever suspension bridge. D-4-16	499
20. Baltimore & Ohio Railroad Co.; Baltimore.	
a Freight and passenger locomotives, passenger cars, views on line of road.	T 500
b Historical showing of the development of the railway and locomotive, consisting of 13 old engines, 39 full-size reproductions, three old cars, specimens of old track, picture gallery containing 1,750 pictures. R. N. S. & T.	L-S-8&9 508
This is the largest single exhibit in the Exposition, covering an aggregate of fifty thousand square feet of floor and wall space. Something is shown from every country in the world, and the collection is an unparalleled one in railroad history, nothing hitherto comparing with it.	
20b. Barnum Richardson Co., Lime Rock, Conn. Cast-chilled car wheels.	H-N-3&4 500
21. Barr, J. N., West Milwaukee, Wis. Contracting; chill, wheels and grinder.	H-N-3&4 500
22. Bass Foundry & Machine Works, Fort Wayne, Ind.	
a Car wheels, car and engine castings.	K-N-2 500
b Electric motor forgings.	503
23. Bass, J. H., Chicago. Locomotive and car wheels; castings.	K-N-1 500
24. Bethlehem Iron Company, South Bethlehem, Pa. Steel billet and rail fractures.	L-S-1&3 499
25. Bird, F. W., & Son, East Walpole, Mass. Waterproof fabrics for roofing railway cars, etc.	M-N-7&8 500
26. Blakely, John & Son, Philadelphia. Thread waste.	M-N-9 500
27. Bloomsburg Car Company, Bloomsburg, Pa. Beamless brake car and rotary dump cars.	M-N-10&11 500
28. Boies Steel Wheel Company, Scranton, Pa. Iron wheels; sections of wheels.	H-N-1&1-S-I 500
29. Bogue & Mills Mfg. Co., Chicago. Crossing guards, pneumatic lever, and cable crossing gates.	(North of annex) 501
The only pneumatic street and crossing guard for the protection of street crossings of railways at grade and draw bridges that locks its arms up and down. Mills system.	

Exhibit No.	Class'n No.
30. Bowen, Emmer, Los Angeles, Cal. Car coupler.	O-N-4 500
30a. Boyden, Fred., Chicago. Car door.	O-N-16 500
31. Boyden Brake Company, Baltimore. Air brake equipments for cars and locomotives.	X-N-1&3 500
This brake equipment fulfils all the master car builders' requirements. It is entirely interchangeable in its workings with the Westinghouse brakes and has been in successful operation on a number of railroads for three years.	
31a. Brady, Frank, Chicago. Railroad tricycle.	X-N-8 500
31b. Brooks, Austin A., Chippewa Falls, Wis. Model of safety trucks.	M-N-6 500
32. Brooks, E. J., & Co., New York. Freight car staking devices.	P-S-4 500
33. Brooks Locomotive Works, Dunkirk, N. Y. Locomotives.	I-S-10 to 19; I-N-11 to 19 500
34. Brown's, M. C. B., Emergency Link Car Coupler Company, Chicago. Coupler on trucks.	P-S-3 500
35. Buckeye Automatic Car Coupler Company, Columbus, Ohio. Car coupler.	P-S-3 500
36. Bucyrus Steam Shovel & Dredge Co., South Milwaukee, Wis. Shovels; buckets, models and photos.	X-S-5 to 8 499
One No. 1, weight 35 tons, and 1 No. 4, weight 10 tons. This Co. build five sizes, ranging from 200 to 2,500 cu. yds. per day capacity, and also railroad cranes; hand, locomotive and wrecking, up to 35 tons capacity.	
37. Burnham & Duggan Railway Appliance Company, Boston. Switches, chairs, etc.	W-N-3&4 499
38. Burrowes Car Shade Company, Portland, Me. Shades for railway passenger coaches.	Q-S-1 500
Burrowes automatic holding device for car shades is in use on 100 leading roads.	
39. Burton Stock Car Company, Boston. Horse and cattle cars.	O-N-1&15 500
40. Bush Cattle Guard Company, Kalamazoo, Mich. Cattle guards.	Y-S-9&10 499
40a. Bush Interlocking Bolt Co., Philadelphia. Interlocking bolts.	N-N-3&4 499
41. Butler Drawbar Attachment Company, Cleveland, Ohio. Drawbar attachments for attaching drawbars or couplers to	O-S-1&11 500

## Railways, Railway Plant and Equipment.

- | Exhibit No.   | Class'n No.              | Exhibit No.  | Class'n No.       |
|---|--------------------------|--|-------------------|
| draft timbers, consisting of casings enclosing and protecting draft and buffer prings.  |                          | of the entire modern equipment exhibited, including such exhibits as the "Pullman," "Pennsylvania," B. & O., etc.  |                   |
| 42. Campbell, Joseph H., Chicago.   | X-N-10                   | 51. Chicago Scale Co., Chicago. 60-ton railroad track scale.   | U-S-11 502        |
| α Rails, rail joints and chairs.  | 499                      | Combination beam ball and knife edge bearing. Built from 34 ft. to any length.   |                   |
| δ Side bearings.  | 500                      | 52. Clark, A. H., Company, Chicago. Automatic piston packing.  | K-N, bet. 3&4 500 |
| Integral rail joint, permanent rail joint, independent rail chair, self-centering roller side bearings, knuckle joint side bearings. Simple, durable, cheap. Campbell's improved rail and track bridging. The coming rail—no more spreading or tipping rails. Foreign rights for sale.        |                          | 53. Clark, E. Warren, Rockford, Ill. Locomotive, The "General," captured by "Andrews' Raiders."  | N-N-6&7 503       |
| 43. Canda Cattle Car Company, Chicago. Stock car.   | O-N-11&12 500            | 54. Clarace, F. H., Springfield, Ohio. Safety spring steel car wheel tender.   | O-N-5 500         |
| 44. Canda Manufacturing Company, Carteret, N. J. Chilled wheels.  | O-N-11 500               | 55. Cleveland Frog & Crossing Co., Cleveland, Ohio. Switches, crossings and frogs.   | W-S-4 499         |
| 45. Carlisle M'f'g Co., Carlisle, Pa. Frogs, switches, crossings, switch stands and track appliances.   | W-S. 8&9 499             | Steel rail frogs, crossings, split and slip switches, improved spring rail frogs, switch stands of various patterns, girder rail. Special work for electric and cable railway.   |                   |
| 45a. Carrington, Bernard W., Chicago. Safety railway indicators and model of locomotive cab indicator.  | Wall west of aisle Q 501 | 56. Coale Muffler & Safety Valve Co., Baltimore. Locomotive and steam boiler specialties.  | N-N-4 500         |
| 46. Chapman Jack Company, Cleveland, Ohio. Jack screws.   | O-S-10 501               | 57. Coburn Trolley Track Manufacturing Company, Holyoke, Mass. Hangers and fixtures for car doors.   | N-N-4&5 500       |
| Self-lubricating. Screw passing through an oil chamber and protected from dirt and rust.  |                          | In the whole world is not its like. Coburn's patent trolley track and patent hangers for parlor, barn and fire doors, and overhead carrying track system.  |                   |
| 46a. Chicago, Burlington & Quincy R. R. Co., Aurora, Ill. Dynamometer car.  | M-N-13 500               | 58. Consolidated Car Heating Company, Albany, N. Y. Car heating and lighting appliances.   | U-S-1 to 3 500    |
| 47. Chicago Car Seal & Manufacturing Co., Chicago. Car seals, locks, dies, tags, etc.   | P-S-4 500                | 60. Cooke Locomotive & Machine Co., Paterson, N. J. Freight and passenger locomotives.   | K-N-15-18 500     |
| 47a. Chicago Grain Door Co., Chicago. Model of grain door for freight cars.   | Q-S-3&4 500              | 60a. Corey Car & M'f'g Co., Chicago. Automatic and rotary dumping cars for railway grading.  | X-S-9&10 500      |
| 47b. Chicago, Milwaukee & St. Paul Ry. Co., Chicago. Light and heat tender.   | M-N-12 500               | 61. Cosper, W. H., Company, Chicago. Metallic weather strip for cars.  | Q-S-4 500         |
| 49. Chicago & North-Western Ry. Company, Chicago. Locomotive "Pioneer," the first ever run in Chicago.  | H-S-19 503               | 62. Crane Company, Chicago. Air brakes and material.   | X-N-4&5 500       |
| The North Western Line carries passengers through without change of cars from Chicago to St. Paul, Minneapolis, Duluth, Ashland, Council Bluffs, Omaha, Sioux City, Denver, Portland and San Francisco. Ticket Offices, 208 Clark St. Passenger Station corner Wells and Kinzie Sts. Chicago. |                          | A new automatic air-brake, exhibited on 100 car test rack. Interchangeable with all standard air-brakes. Brake repairs. Railroad supplies. Pipe, malleable and cast-iron fittings, brass goods, engine trimmings, etc. |                   |
| 50. Chicago Railway Equipment Co., Chicago. Metal brake beams.  | Y-N-4 500                | 63. Crane, Joseph J., Summertown, Tenn. Model of cross tie and securing plate.   | X-N-9 499         |
| For all classes of rolling equipment. 500,-000 "National Hollow" beams now in use. Standard on nearly all leading railroads. The "National" will be found on a majority   |                          | 66. Cumberland Valley Railroad Company, Chambersburg, Penn. Relief map of Cumberland Valley.   | D-4-16 502        |

## Railways, Railway Plant and Equipment.

Exhibit No.	Class'n No.
67. Cushion Car Wheel Company, Indianapolis, Ind. Car and locomotive wheels and truck.	K-N-3 500
67c. Deere & Co., Moline, Ill. Railroad grader.	Y-N-6 499
68. Deitz, Geo. A., Olden, Mo. Car door, seal lock, etc.	M-N-18 500
68a. De Haven, George, Grand Rapids, Mich. Collection of railway tickets, passes, time tables, etc.	F gal. 503
69. Deitz Draw-Bar Co., Denver, Col. Automatic car couplers.	O-S-9 500
69a. Delaware, Lackawanna & Western R. R. Co., New York. Photos of equipment and scenery.	R. West wall 500
70. Detroit Bridge & Iron Works, Detroit, Mich. Locomotive turn-table.	M-N-16-17 499
71. Detroit Steel & Spring Co., Detroit, Mich. Locomotive, driving trucks, tender, counterbalance, connection and tender springs.	I-S-12-18 & I-N-11-18 500
72. Dickson Car Wheel Co., Houston, Tex. Car wheels.	H-N. 3&4 500
72a. Doyle, John, Grand Rapids, Mich. Steam inspection car.	Y-N-6&7 500
72b. Drake & Weirs Co., Cleveland, Ohio. Car roof.	P. South 5. On car of the Am. Refrigerator Transit Co. 500
72c. Draper, Henry C., Oswego, Kan. Composite R. R. cross tie.	W-N-6&7 499
73. Drexel Railway Supply Company, Chicago.	
a Drills, car replacers, etc.	O-N-1 499
b Car couplers, journal box covers, passenger car vestibules.	P-S-1 500
74. Duff Manufacturing Company, Allegheny, Pa. Compound lever jacks.	(Outside north of Annex.) 501
75. Eastman Freight Car Heater Company, Boston. Refrigerator, heater and ventilator cars.	P-S-11-13 500
76. Eclipse Wind Engine Company, Beloit, Wis.	
a Railroad water station; track tools.	(Outside north of Annex.) 499
b Wrecking frog.	501
Eclipse railroad windmills, towers, tanks, fixtures, pumps, track drills.	
77. Elliott Car Company, Gadsden, Ala. Freight car.	O-S-15 500
Caboose, refrigerator, fruit, stock, box, gondola, flat, coal and ore cars.	
77a. Ennis, George, Livingston, Mon. Engineer's seat.	I-N-13 500

Exhibit No.	Class'n No.
78. Ensign Manufacturing Company, Huntington, W. Va.	O-N-6-10
a Flat, gondola and cattle cars; wheels, axles, snowplow, etc.	500
b Car wheel grinding machine and chills.	J-3, south of Annex 500
79. Eureka Coupler & Buffer Co., Minneapolis, Minn.	
a Rail joint.	M-S. bet. 15&16 499
b Steel coupler.	500
81. Fairbanks, E. & T., & Co., St. Johnsbury, Vt. Railroad track scale.	(Outside north of Annex.) 500
81a. Fernow, B. E., Chief Division of Forestry, U. S., Department of Agriculture, Washington, D. C. Collection of metal ties, tie-plates, and other wood-saving appliances for railway construction. Exhibited in United States Government Building, Agricultural Section.	499
81b. Fischer, Albert, Detroit, Mich. Model of oil burning locomotive.	N-S-4 500
82. Fisher, Clark, Trenton, N. J. Rail joints and track jacks.	W-N-7 499
The only manufacturer of the "Fisher" bridge joints, Fisher "compromise" joints, and of the "triple Fish" joints.	
83. Fox Solid Pressed Steel Co., Chicago.	
Flat cars.	Q-S-4 to 8 500
Fox patent pressed steel trucks and truck frames for freight and passenger cars, steel flat cars and various pressed steel parts for railway rolling stock, etc.	
84. Frame, Nathan T., Jamestown, Ohio.	
a Railroad rail chairs.	X-N-9 499
b Car couplers.	500
86. French, A., Spring Company, Pittsburgh, Pa.	M-N & N-S-1-2
a Nut lock and washers.	499
b Elliptic and spiral springs.	500
87. Frosts Veneer Seating Company, New York.	D-8-16
a Car ceilings and seats.	500
b Settees, etc., for depots; panels.	501
88. General Electric Company, New York.	
a Transfer table motors and controllers in service, etc.	Dept. G 499
b Plans and models of railway structure.	Dept. J 499
c Electric locomotives.	Dept. G 500
d System of stops and signals (in service Intramural Railway).	501
e System of tickets. (Depot, Intramural Railway.)	502
All railway exhibits Department G were placed by General Electric Co.'s motors on transfer table this department.	

## Railways, Railway Plant and Equipment.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
88a. Gilbert, Bradford L. Drawings and plans of railway stations and structures. New York Central Railroad building, south of annex.	499	100. Heinze, Herman, Chicago. Wall map of Exposition.	D-4-16 503
89. Goodwin, J. M., Chicago. Dump car.	Y-S-11 500	101. Hicks Stock Car Company, Chicago. Stock car.	O-S-11 500
90. Gold Car Heating Company, Chicago. Car heating apparatus.	U-S-7-10 500	102. Hinson Car Coupler Co., Chicago. Automatic car coupler.	K-N-4 500
91. Gordon & Hamilton, Concord, N. H. Automatic side door latches for coal cars.	N-N-15&16 500	103. Holman, D. F., Chicago. Track laying machine and sketch.	Wall, west of W. 499
92. Gould Coupler Company, Buffalo, N. Y. Couplers.	O-N-2&3 500	104. Howlett, James, Irvington, N. J. Car seals and attachments.	Q-S-15 500
93. Gould, Wm. F., Des Moines, Ia. a Supplies for railway tracks.	W-N-8&9 499	105. Hunt, C. W., Company, New York. Machinery for handling material.	Y-N-8 & Z-S-8 501
b Slide valve for steam engines.	500	106. Hutchins Refrigerator Car Company, Chicago. Refrigerator cars.	P-S-7-8 500
93a. Grand Trunk Ry., Chicago. Oil paintings of portions of line.	Gal. near golden door 502	Builders and lessors of beef, dairy, fruit, and refrigerator cars; also builders and lessors of the celebrated C. F. T. Car first employed in shipments of California fruits from the Pacific coast to Eastern points, and for export to England and the continent. General offices, No. 904 Rookery Building.	
93b. Greeley, E. S., & Co., New York. a Track gauges, rail benders, track tools, portable switches, etc.	499	106a. Illinois Central Railroad Co., Chicago. Locomotive (Mississippi) and tender, built in 1833 and strap rails on timbers.	M-N-14 503
b Headlights, whistles, valves, car trimmings, velocipede cars, etc.	500	107. Industrial Works, Bay City, Mich. Electric transfer table, steam cranes.	I-9 499
c Ticket punches.	Dept. J, F-8 502	109. Jackson & Sharp Company, Wilmington, Del. Passenger coach.	Q-S-2&3 and Intramural R. R. 500
94. Greer, Howard, & Co., Chicago. Railway track appliances.	W-N-6 499	Passenger car truck.	C-1-6&7 500
Specialties: Greer's elastic splice bar, expansion track bolt with elastic nut, spike, anti-creeping rail and tie plate.		110. Jackson & Woodin, Berwick, Pa. Freight car trucks.	C-1-6&7 500
95. Griffin Wheel & Foundry Co., Chicago. Car and engine wheels.	I-S bet. 3 & 4.	111. Jerome, C. C., Chicago. Packing glands, fittings and supplies.	Q-S-3 500
Also Multiple Speed Ry. on pier and Intramural Ry.	Dept. J 500	112. Jervis Spencer Co., Baltimore. Curtain roller for windows of railway cars.	K-N. 3&4 500
Exhibit of wheels, used exclusively within Exposition grounds, and on all local railways leading to the grounds.		113. Jewett Supply Company, Boston. Anti-friction device for car body and truck bolsters, elevated railway.	O-N-3 and Intramural railway 500
96. Guinn, John A., Perry, Ia. Automatic railway time and danger signal.	K-N-3 501	114. Johnson R. R. Signal Company, Rahway, N. J. Grade crossing signal.	C-6-8 501
97. Hale & Kilburn Manufacturing Co., Philadelphia.	D-3-18	Interlocking and block signaling appliances. Sykes' block system. Staff system for signal track working.	
a Railroad station seats.	499	115. Jones, Thomas D., Car Construction Co., Chicago. Nut locks and spur locks.	O-S. 9&10 500
b Railroad car seats, seat springs, folding beds.	500	116. Jail Manufacturing Company, Brooklyn, N. Y. Snow excavator.	H-N-15 500
98. Harlan & Hollingsworth Co., Wilmington, Del. Railway passenger car equipment.	Q-S-9 to 15 500		
99. Harvey Steel Car & Repair Works, Harvey, Ill. Gondola, box, freight and oil tank cars.	O-S-4 to 8 500		
Office, 819-825 The Rookery, Chicago. Works, Harvey, Ill. Build steel and wooden cars, repair cars for railways and private companies, manufacture railway and car forgings. See the "Harvey Steel Cars" in Transportation Building.	R. R. 98.		

## Railways, Railway Plant and Equipment.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
117. Kalamazoo R. R. Velocipede & Car Co., Kalamazoo, Mich. N-N-10 to 12		129. Live Poultry Transportation Company, Chicago. Live poultry car.	Com-
a Steel surface cattle guard.	499	O-S-16&17	500
b Velocipede cars; wheels.	500	129a. Maine Central Railroad, Portland, Me. Photos and paintings of White mountains, and Bar Harbor scenery.	
118. Keller Printing Company, New York. Railway tickets, dating machines, cancelling apparatus, ticket sellers.		D-4-15	500
M-N bet. 8&9	502	129b. Manitou & Pike's Peak Railway, Manitou, Colo. Photographs of scenery.	
Fare and transfer tickets for street railways, ferries, etc., in continuous strips in rolls, notched, perforated and consecutively numbered, and machines for printing date on same rapidly. Office, 708 Broadway, N. Y.		D-4-15	503
120. Keystone Seal & Press Co., Chicago. Car seal and lock; sealing press.		130. Marion Steam Shovel Company, Marion, Ohio. Steam shovel, hoisting machinery and ballast unloader.	
M-N-7-8	500	W-N&X-S-4	499
120a. Kilbourne & Jacobs M'fg Co., Columbus, Ohio.	A-12	131. Mason Air Brake & Signal Company, Chicago. Railway air brakes and air train signaling apparatus.	Z-1-2&3 500
a Scrapers, grading plows, etc.	499	132. Mather's Humane Stock Transportation Company, Chicago. Stock car.	
b Two and four wheeled trucks.	500	O-S-13	500
Exclusive manufacturers of scraper bowls pressed from one sheet of steel.		133. McAndrews, James, Chicago. Journal brasses, locomotive bells, etc.	P-S-4 500
121. Kilmer M'fg Co., Chicago. Automatic pipe coupler for railway cars.		134. McConway & Torley Co., Pittsburgh, Pa. Passenger platforms and couplers.	D-4-17&18 500
Y-S, bet. 7&8	500	Automatic Janney patents. Gold and silver medals awarded at Chicago Ry. Ex. 1883.	
122. King Bridge Company, of Cleveland, Ohio. Photographs of metal bridges and structural work.	D-4-15	135. McCormick & Schlesinger, Emporia, Kas. Nut lock.	W-N-5 500
123. King, Charles B., Detroit, Mich. Iron brake beams.	P-S-7	136. McGuire Manufacturing Company, Chicago.	L-S-12&15
123a. Kinnear, William R., Columbus, Ohio. Metal railroad tie.	W-N-9&10	a Door for grain freight car.	500
123b. Kinsman Block System Co., New York. Model of automatic electric block system.	C-2-8	b Automatic switch stand.	501
124. Krabel Palace Car Company, Cleveland, Ohio. Parlor, chair and sleeping coaches.	P-N-10-15	137. McKee, Fuller & Co., Catsasauqua, Pa. Steel tired wheels.	1-S-3-4 500
125. Lake Shore & Michigan Southern Ry. Co., Cleveland, Ohio. Railway mail cars, car "Richard E. Elmer," No. 704, car "Governor Beaver."	M-S-7-10	Steel tired wheels for locomotive, truck, tender, coach, electric and cable service. Chicago office, 210 Phoenix Building.	
125a. Lambeth Cotton Rope Co., New Bedford, Mass. Cotton rope for power transmission.	L-V-15-16	138. McSherry Mfg. Co., Dayton, Ohio. Railroad and lifting jacks.	N-S-4 501
125b. Lawler, Thomas C., Prairie du Chien, Wis. Model of Pontoon railway bridge.	D-4-15-16	139. Mechanical Manufacturing Company, Chicago. Bumping posts.	J-4 with N. Y. C. R. R. 499
126. Leslie Bros. Manufacturing Company, Paterson, N. J. Rotary snow plows.	M-S-11-13	(Ellis patent.) For passenger and freight car service. Occupy little space. Adapted to all positions. 1,000 in service. On exhibition with Vanderbilt lines south of Annex. See our advertisement in Official Directory. Geo. L. Chatfield, agent. Office, Union Stock Yards, Chicago, Ill.	
127. Lima Locomotive & Machine Company, Lima, Ohio. Logging locomotive.	H-N-11	140. Merchants Dispatch Transportation Company, New York. Refrigerator car.	P-S-9&10 500
128. Link Belt Machinery Company, Chicago. Labor saving conveying machinery.	Z-7	142. Merrill-Stevens M'fg Co., Niles, Mich. Cattle guard.	Y-S-9 499
	502	144. Michigan Railway Supply Company, Detroit, Mich. Brake beams; doors; pressed steel articles.	X-N-7&Y-S-7 500

## Railways, Railway Plant and Equipment.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
144a. Miller Lock Co., Philadelphia. Railway switch locks. With Eclipse Wind Eng. Co. North of Transportation annex.	499	160. New York Car Wheel Works, Buffalo, N. Y.	
144b. Moore Car Door Co., Chicago. Freight car door.	M-N-7-8 500	a Car wheels and axles. H-N-3 500	
144c. Morden Frog & Crossing Works, Chicago. Frogs, switches and crossings. Terminal tracks	499	b Testing apparatus and mach'y for treating chilled articles. I-S-3 501	
145. Morison, Geo. S., Chicago. Model of bridge.	D-4 opp. 15 499	"Machined" chilled iron car wheels. Variety of diameters and weights for steam, electric, cable and horse railway service. Mine car wheels, also railroad castings of all kinds. Special machinery for treating wheels mentioned.	
This bridge was built by the Kansas City & Memphis Ry. & Bridge Co. and forms part of the Kansas City, Fort Scott & Memphis R.R. system extending from Kansas City, Mo., to Birmingham, Ala. It is the only bridge yet built across the true Mississippi river; that is below the mouth of the Ohio.		161. New York Central & Hudson River Railroad Co., New York.	
146. Morris Box Lid Company, Pittsburgh, Pa. Journal box lids.	M-N-1 500	a Section of the road-bed and track, with views. N. Y. Cen. Ry. Building, south of annex. J-4 499	
146a. Morris & Co., Nelson, Chicago. Refrigerator car.	N-N-17 500	b Motive power and rolling stock. 500	
147. Morton Safety Heating Company, Baltimore. Steam car-heater.	L-N-13; U-S-13 500	c Historical reproduction of first train run in state of New York. 503	
147a. Nathan Manufacturing Co., New York. Injectors and lubricators. On various locomotives, in Annex	500	162. Noble Nut Lock & Washer Co., Pittsburgh, Pa. Nut locks and washers.	M-N-1 499
148. National Car Coupler Co., Chicago. Automatic car couplers.	O-N-3-4 500	163. Northern Pacific Railroad Co., St. Paul, Minn.	
150. National Hollow Brake Beam Company, Chicago. Metal brake beams.	Y-N-4 500	a Photos and maps. P-N-4 to 9 499	
151. National Machinery Co., Tiffin, Ohio. Rock and ore crusher and working model of same.	X-S-9 499	b Cars for exhibit of natural products. 500	
152. National Malleable Castings Company, Cleveland, Ohio. Malleable iron castings.	O-S-10 500	Two superb vestibuled exhibit cars with bay windows, exhibiting grains, grasses, fruits; gold, silver, copper and lead ores; iron, coal, coke, hops, wool, woods, marble, granite, brick, tobacco, flour, fish, vegetables; pictures of scenery and industries; maps, etc., showing the resources of the seven states traversed by Northern Pacific R. R., viz., Wisconsin, Minnesota, North Dakota, Montana, Idaho, Washington and Oregon.	
Castings adapted to railway equipment and car construction. Drawbars, center plates, truck castings, door fasteners and many other parts, and a box car illustrating application; also track, switch and other castings. Works at Cleveland, Chicago, Indianapolis and Toledo.		165. Northwestern Wheel & Foundry Co., St. Paul, Minn. Cast iron car wheels.	H-N. 3&4 500
153. National Surface Guard Company, Chicago. Cattle guards.	Y-S-8 499	166. Norton, A. O., Boston.	
157. Nevens Flanger Company, Portland, Me. Box car with flange scraper.	M-S-14 500	a Track jacks. U-S-3 499	
158. New Jersey Steel & Iron Co., Trenton, N. J. Models of railroad bridges; iron and steel construction material.	Y-N. 5&6 499	b Screw jacks. 501	
159. New York Air Brake Company, New York. Air brakes.	C-1-6 500	167. Nowlin Safety Switch & Signal Co., Chicago. Switch and signal and model.	Y-S-10 501
2-G		168. Odell Automatic Switch Co., Bradford, Pa. Railway switches. X-N-10 499	
		169. O'Hara, J. H., Chicago. Air brakes.	Z-3 500
		170. Old Colony Railroad Company, Boston.	N-S-12 to 17 & N-N-15&16
		a Passenger locomotive, coach and coal car. 500	
		b Locomotive built in 1858; passenger coach built in 1835. 503	
		c Recently excavated frog of Quincy Granite Road, first railroad in the U. S. 503	

## Railways, Railway Plant and Equipment.

- Exhibit No.** **Class'n No.**
- 176a. Otis Steel Co., Ltd., Cleveland, Ohio.**  
Steel ingots, locomotive forging, axles and iron rods. M-N-&-N-S-3-4 500
- 171. Paige Car Wheel Company, Cleveland, Ohio.** Car, engine and tender wheels. M-N-&-N-S-3 499
- 172. Palmer, Cassius C., Englewood, Ill.**  
Model of mechanical refrigerator car. M-N-6 500
- 173. Parks, C. Wellman, Troy, N. Y.**  
Model of track construction. U-S-13 499
- 175. Pennsylvania Railroad Company, Altoona, Pa.**  
a Refrigerator, stock, freight and passenger cars. N-S-5 to 11 500  
b Suburban station with foot-bridge, etc. Penn. Ry. Bldg. 501
- On special reservation, south of Transportation Annex. Open air exhibit, standard track, stations, signals, etc. In P. R. R. building (historical exhibit), illustrating early methods and present practice.
- 175a. Pennsylvania Steel Co., Steelton, Pa.**  
Track supplies and bridge material. W-N-X-S-1-3 499
- 176. Philbrick, Frank A., Chicago.** Bridge gate. X-N-bet. 10&11 501
- 177. Pittsburg Locomotive & Car Works, Pittsburg, Pa.** Locomotives and tenders. I-S-5 to 9, I-N-7 to 11 500
- 178. Pneumatic Gate Company, Chicago.**  
Railway gates for street crossings of R. R. tracks at grade and for the intersection of railroad tracks. Y-N & Z-10 501
- A purely pneumatic machine having no underground moving connections, hence never obstructed by frost or wear; capable of protecting several crossings from one tower; in use on fifty American railways. Pneumatic machinery adapted to old gates in use. W. P. Elliott, manager.
- 179. Positive Lock Washer Company, Newark, N. J.** Nut locks and washers. W-N-9 499
- 180. Pope, J. L., Cleveland, Ohio.** Rail joints, steel ties, tackle-blocks and elevated railway. W-S-10 499
- 181. Porter, H. K., & Co., Pittsburg, Pa.**  
Locomotives and steam motor. K-S-16 to 19 500
- Exclusive specialty. All sizes, designs and gauges, steam or compressed air. Illustrated catalogue on application. Five locomotives exhibited: Mogul, logging, contractors', steel works and street motor.
- 182. Pratt & Letchworth, Buffalo, N. Y.**  
Car couplers, brake adjusters and railway castings. O-S-1 500

- Exhibit No.** **Class'n No.**
- 183. Price Railway Appliance Company, Philadelphia.** Metallic ties; rail joints; arcade system; tie fastenings. W-S-5-7 499
- Metallic ties of simple construction—six sorts: Longitudinal metallic ties; street railway constructions; rail-joints for T rails, showing great strength and elasticity; the Arcade construction; rail-joints for girder rails. All new inventions of James M. Price.
- 184. Pullman, A. B., Company, Chicago.**  
Freight car door. M-N-7 500
- 185. Pullman Palace Car Company, Chicago.**  
a Complete vestibule train. 500  
b Passenger coaches, locomotives, etc. Q-N&-R-S-1 to 14 500  
c Model of town of Pullman, Ill. D-8 500
- (a) Model of Pullman. (b) A Vestibuled Limited Train, consisting of baggage and smoking room, dining room, compartments, sleeping rooms, and observation parlor. (c) A Vestibuled Train, consisting of postal car passenger coach, and parlor car. (d) Two six-wheel trucks.
- 185a. Railway Supply Foundry Co., Chicago.** K bet. 3&4
- a Roe cast iron ventilator for cars. 500  
b Roe cast iron ventilator and smoke stack with drop hood for round-houses. 501
- 186. Ramapo Wheel & Foundry Co., Ramapo, N. Y.** Boltless steel tired wheels. K-N. 15-18; C-1; Q; S-8-14 500
- 187. Rand, McNally & Co., Chicago.**  
Ticket cases, tickets, punches, baggage checks, maps, etc. D-8-14 502
- 188. Reese, Henry, Baltimore.** Metallic cross-tie. W-N-8 499
- 190. Rhode Island Locomotive Works, Providence, R. I.** Locomotives and tenders. H-N-4-10 500
- Gold medal awarded by Franklin Institute, Philadelphia, 1892.
- 191. Richmond Locomotive Works, Richmond, Va.** Locomotive. H-N-18-19 500
- 192. Roberts, Throp & Co., Three Rivers, Mich.** Hand-cars. N-N-15 500
- 192a. Rochester Car Wheel Works, Rochester, N. Y.** Chilled cast-iron car wheels. H-N-3&4 500
- 193. Rodger Ballast Car Company, Chicago.** Ballast distributing cars; section of track. W-N-10 to 12 500
- Rodger center dump and self-acting ballast spreading cars, track, etc.

## Railways, Railway Plant and Equipment.

Exhibit No.	Class'n No.
194. Rogers Locomotive Company, Paterson, N. J. Passenger and freight locomotive engines. H-N-12-14-16-17	500
195. Romney, Mrs. Caroline W., Chicago. Foot stove for cars. O-S-9&10	500
195a. Rose, Geo. P., Fenton, Mich. Railway splices, spike and lag screw. W-N bet. 8&9	499
196a. Ruffner & Son, Philadelphia. Automatic nut lock. W-N-5	499
197. Russell Wheel & Foundry Co., Detroit, Mich. Logging cars. L-S-10	500
Exhibit also in Michigan logging camp, between sawmill and stock pavilion.	
198. Safety Car Heating and Lighting Company, New York. Car lighting material; heating apparatus. U-S-4 to 6	500
The Pintsch gas system of car lighting in use on over 45,000 cars in Europe and America. Steam heating system for railroad cars. Gold medals awarded at Moscow, Vienna, St. Petersburg, London, Cincinnati, Bordeaux, Berlin and Paris.	
199. Safford Automatic Draw Bar Co., Chicago. Automatic link and pin draw bars and models. M-S-16	500
199a. Sargent Company, The, Chicago. Brake shoes and steel castings. P-N-1 & Q-S-1	500
Formerly the Congdon Brake Shoe Co. Established 1876. Iron foundry capacity, 40 tons. Brake shoes, railroad and general castings. Steel foundry: 12-ton open hearth, 24-pot crucible furnaces; railroad machinery and general castings, Columbian M. C. B. Std. couplers.	
200. Saunders, E., Austin, Texas. Metallic railway tie. W-N-6	499
201. Scarritt Furniture Company, St. Louis. Car furniture. D-S-15	500
202. Schenectady Locomotive Works, Schenectady, N. Y. Locomotives and model. H-S-11-18	500
203. Schoen Manufacturing Company, Pittsburg, Pa. a Railroad ties. Y-S-6 & X-N-6	499
b Pressed steel articles for cars. 500	
204. Schoen Pressed Steel Brake Beam Company, Pittsburg, Pa. Brake beams. X-N-6	500
204a. Schuttler M'fg Co., Chicago. Continuous movement railroad shop and boiler ratchet drills. O-S bet. 3&4	501
205. Sellers, Morris, & Co., Chicago. Splice bars, track spike and steel rail. X-N-1	499
205a. Shaffer, M. B., St. Louis. Truck bolster. O-S-3-4	500

Exhibit No.	Class'n No.
206. Sheffield Car Company, Three Rivers, Mich. a Hand cars, etc. N-N-13-14	500
b Automatic railway water crane, with Eclipse Wind Engine Co. North of Annex, outside. 501	
Most extensive manufacturers of all kinds of cars for industrial work, including mining, lumbering, plantation and contractors' cars; also hand, push, inspection and velocipede cars and railway water cranes.	
209. Simplex Car Coupler Co., St. Joseph, Mo. Car coupler. K-N bet. 3 & 4	500
210. Smillie Coupler & Manufacturing Co., Newark, N. J. Car coupler. P-S-2	500
"The Smillie" couplers by slow impact, avoiding shock needed to lock other couplers. If knuckle is lost or lugs of bar broken, use ordinary link; no chain required. Knuckle opens only by 6 inch lift of lock pin; can not jolt open. "S" shape knuckle forms double lock; patented step holds it open.	
211. Smith Fire Kindling Co., Chicago. Locomotive fire kindler. N-N bet. 3&4	500
212. Smith Pneumatic Transfer and Storage Co., Chicago. Pneumatic machinery for conveying grain, etc. Y-N-11; also building north of Annex. 502	
212a. South Carolina Ry., Charleston, S. C. Case of relics of earliest days of railroads in the United States. P-S-17	503
212b. Standard Car Coupling Co., New York. Car couplings, etc. N-N-3	500
213. Standard Steel Works, Philadelphia. Steel tires; wrought-iron wheel centers. N-N-1 to 3	500
214. Stannard & White, Appleton, Wis. Locomotive engineers' cab seats. O-S-4	500
216. Sternbergh, J. H., & Son, Reading, Pa. Track bolts, rivets, etc. X-N-11	499
217. Stever Railway Rail Joint Co., Fairfield, Ia. Rail fastenings. W-N, 8&9	499
217a. St. Louis Car Coupler Co., St. Louis. M. C. B. car couplers. O-S-bet. 3&4	500
219. St. Louis Car Wheel Company, St. Louis. Wheels and castings. K-N-2&3	500
220. Street's Western Stable Car Line, Chicago. Cattle car. O-N-16	500
221. Streeter-Ames Weighing and Recording Co., Chicago. Weighing and recording device. N-S-4	502

## Railways, Railway Plant and Equipment.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
221a. Taylor Improved Draught Co., Newark, N. J. Locomotive and other smoke stacks, with artificial draught.	X-N-11 500	233. Verona Tool Works, Pittsburg, Pa. Steel track tools.	Y-N-7 490
222. Taylor Iron & Steel Co., High Bridge, N. J. Car wheels and steel castings.	H-N-1 500	233a. Victor Stock Car Co., Chicago. Model of stock car.	M-N-8 500
223. Terre Haute Car & M'fg Co., Terre Haute, Ind. Chill cast iron wheels for railroad and electric cars.	H-N-3&4 500	234. Voigt, F. F., Chicago. Model of track-laying machine.	X-S-12 490
224. Thacher Car & Construction Co., New York. Automatic double-acting dumping car, operated by compressed air.	X-S-3&4 & K-S-15 500	235. Vulcan Iron Works Co., Toledo, Ohio. Steam shovel.	X-S-11&12 499
225. Tilden, B. E., Company, Chicago. Wrecking frogs and bridge guards.	X-N-9 499	236. Waddell, J. A. L., Kansas City, Mo. Drawing of lift-bridge.	D-4-16 499
225a. Trenton Iron Co., Trenton, N. J. Iron and steel wire for bridges, etc.	Y-N & Z-4&5 499	237. Wagner Palace Car Company, New York. Passenger equipment. N. Y. Cent. Ry. Bldg. J-4, south of Annex	500
226. Trojan Car Coupler Company, Troy, N. Y. Car couplers.	O-N-3 500	Build and operate sleeping, parlor, dining, and private cars. Charter and equip cars for excursion service, theatrical tours, etc., on all standard-gauge roads in United States, Canada and Mexico. Complete trains furnished if required. Principal offices, New York and Chicago.	
228. Union Bridge Company, New York. Photographs of bridges and model of bridge; eye-bar tests.	D-4-16 499	238. Wakefield Rattan Company, Chicago. Railway car seats.	D-7-18 500
Offices, 1 Broadway, New York city; Buffalo, N. Y.; Athens, Pa. (shops). Civil engineers and constructors of iron and steel bridges, viaducts, roofs, elevated railroads, "deep foundations," marine piers, etc.		238a. Wanamaker Car Scale Co., Indianapolis, Ind. Model of freight car with scale attachment.	M-N-8-9 500
229. United States Car Company, Anniston, Ala.		239. Ward, Montgomery, & Co., Chicago. Graders and scrapers.	X-N & Y-S-11 & 12 499
a Samples of fractured and bent iron; car axles.	H-N-3-4 500	Visitors should not fail to examine the immense exhibit of agricultural implements, buggies, carriages, wagons, road carts, etc. at the warerooms of Montgomery Ward & Co., 111 to 116 Michigan avenue, near Madison street. Their business is confined to the out-of-town trade exclusively.	
b Interlocked shafting.	H-N-3 501	239a. Washington Iron Works, Seattle, Wash. Two logging trucks.	J-2, south of Annex 500
c Refrigerator car.	M-N-4&5 500	240. Weeks, George, Oakland, Cal. Models railway rail joints and rail couplings.	Z-3 499
Car builders. Works located at Chicago, Ill., Anniston, Ala., New Decatur, Ala., Urbana, O. General offices, Chicago and New York.		241. Wendt Car Coupler Co., Marshfield, Wis. Automatic car coupler.	X-N-13 500
231. United States Metallic Packing Company, Philadelphia. Piston-rod and steam packings.	O-S-3&4 500	242. Western Wheeled Scraper Company, Aurora, Ill. Wheeled scrapers, drag scrapers, road machines, dump carts, grading plows, elevating graders and rock crushers, etc.	Y-N&Z-12 499
Used on all the principal railroads of the world, also on leading steamship lines. It shows great durability on stationary engines. Especially valuable for ammonia compressors. Annual capacity, 25,000 packings. Highest awards at all international exhibitions.		Make all kinds of earth-moving tools and the original and only perfect wheeled scraper used in every state. Awarded medals wherever exhibited; make drag scrapers, grading plows, dump carts, road machines, wheelbarrows, elevating graders, rock crushers, ballast unloaders, hand cars.	
232. United States Wind Engine & Pump Co., Batavia, Ill. Railway water-station material. (Outside building, south of P. R. R. building.)	501	243. Westinghouse Air Brake Company, Pittsburgh, Pa. Railway brakes; train signaling apparatus.	C-3-6&7 500
232a. Van Dorston Railway Supply Co., Washington, D. C. Automatic M. C. B. coupler "Carrier iron" draw gears.	L-S-9&10 500		

## Street Car and Other Short Line Systems.

Exhibit No.	Class'n No.
243a. Westinghouse Electric & M'fg Co., Pittsburgh, Pa. General railway appliances. Railway exhibit in Electricity Building H-1-J&J-2, and on exhibition track.	500
244. Wheeler, Harris A., Chicago. Car seats and chairs.	D-8-17 500
The success of the No. 32 Wheeler seat has been absolutely phenomenal, having been manufactured less than a year and a half. Its merits are so unquestionable that it has found its way into the service of nearly every prominent road in this country, and knows no competition.	
244a. Wheeler, Philip, Branch Port, N. Y. Iron railroad tie.	W-N-8 499
245. Wickes Refrigerator Car Co., Chicago. Section of refrigerator car.	M-N-8&9 500
245a. Williams, Dyer, Chicago. Automatic M. C. B. coupler.	P-S-11-13 500
247. Wolhaupter, Benj., Chicago. Car brake attachment.	N-N-9 500
To prevent skidding of wheels and to increase breaking force as load increases.	
247a. Worthington, Henry R., New York. Railway water supply pump. In model water station of the U. S. Wind Engine and Pump Co., outside, south of Transportation Building.	499
248. Wuerpel Switch & Signal Co., St. Louis. Terminal railroad.	
a Wrecking car.	500
b Interlocking device and signals.	501
249. Yale & Towne M'fg Co., Stamford, Conn. Locomotive crane.	X-S-10 500
250. Young Reversible Lock Nut Company, New York. Rail joint with locks.	W-N-7 499

## GROUP 81.

## Street Car and Other Short Line Systems.

251. Anderson, Albert, & J. M., Boston. Electric railway switches fixtures.	L-N-6 505
Ætna insulators, line material, trolleys, Ajax switches, lightning arrestors.	
252. Baltimore Car Wheel Co., Baltimore. Electric motor truck.	L-S-15 505
253. Bass Foundry & Machine Works, Fort Wayne, Ind. Electric motor.	K-N-1&2 505
254. Bemis Car Box Company, Springfield, Mass. Truck.	Dept. J 505
255. Brownell Car Company, St. Louis. Street car and appliances. Established 1858. Make Street Cars of	L-N-7&8 505

Exhibit No.	Class'n No.
every size and style. The justly celebrated Accelerator Car a specialty.	
256. Burnham & Duggan Railway Appliances Co., Boston. Trolley wire, brackets and insulators.	W-N-3-4 505
257. Burrowes Car Shade Company, Portland, Me. Shades and curtains for electric cars.	Q-S-1 505
258. California Wire Works, San Francisco. Rope way in operation, wire and wire rope.	L-N-16-18 504
"Specialties"—wire rope for cable roads, mining, rigging, elevators, transmission, haw-sers, tramways, barbed wire, nails, battery screens, wire cloth and netting, builders and contractors for tramways, inclines and other apparatus, mining supplies, hallidie rope-way for conveying ore, etc.	
259. Chicago Naptha Motor Company, Englewood, Ill. Street car motor truck.	W-S, bet. 10&11 506
259a. Coburn Trolley Track Manufacturing Company, Holyoke, Mass. Carrying track for overhead tramways.	N-N-4 505
260. Columbian Intramural Railway, Chicago. World's Fair elevated electric railway. World's Fair grounds.	507
261. Cook Elevated Electric Railroad, Chicago. Model of elevated electric double track railway.	C-2-9 505
262. Cushion Car Wheel Company, Indianapolis, Ind. Electric motor wheels.	K-N-3 505
263. Duplex Street Railway Track Company, New York. Ex. track and track material.	L-S-3-4 506
264. Elevated Suspension Electric Railway Company, Chicago. Model of electric suspension railway.	A-14, over aisle 506
265. Frost's Veneer Seating Company, New York. Street car seats and backs.	D-8-16 506
266. General Electric Company, New York.	
a Electric railway equipment.	Dept. J 505
b Intramural elevated electric railway (in service on the grounds).	507
406 roads, 4,975 miles of track, 8,475 cars operated by our systems. Visit our intramural power house.	
267. Genett Air Brake Company, Chicago. Air brake equipment.	Z-S-1&X-N-1 505
267a. Greeley & Co., E. S., New York. Overhead construction material. Electricity Building.	F-8 505
268. Grier, W. W., Hulton, Pa. Interior car finish.	A gal. 3 506

## Street Car and Other Short Line Systems.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
260. Hale & Kilburn Manufacturing Co., Philadelphia.		286b. Rand, McNally & Co., Chicago.	
a Seats for cable cars.	D-3-18 504	Street railway dating stamps, tickets, etc.	D-8-14 501
b Seats for electric cars.	505	287. Reliable Manufacturing Company, Boston. Electric street railway supplies, heater, etc.	L-N-15 505
c Seats for horse cars.	506	287a. Robinson, E. R., Chicago. Trolley wheel for electric railways.	L-N-9&10 505
d Seats for elevated and suburban cars.	507	288. Robinson Electric Truck & Supply Co., Boston. Radial system.	Dept. J 505
270. Hallidie, A. S., San Francisco.		288a. Robinson Machine Co., Altoona, Pa. Electric car truck.	L-N-10 505
Dummy used on first cable road and section of road-bed; grip and pulleys and model of rope way.	L-N-17 504	288b. Rowell-Potter Safety Stop Company, Boston. Safety stop and block signal system.	Intramural Ry. 507
Cable Railway invented, designed, and used by him on Clay street, San Francisco, 1873. Models, photos, grips from various roads. Ropeway for transporting ore, etc.		288c. Short Electric Railway Co., Cleveland, Ohio. Electric car with two gearless motors.	Exhibition track 505
271. International Register Company, Chicago. Fare registers.	L-N bet. 11&12 506	288d. Sperry Electric Railway Co., Cleveland, Ohio. Electric car with motor.	Exhibition track 505
272. Jervis Spencer Co., Baltimore. Curtain roller for street cars.	K-N-3&4 505	289. Standard Fireless Engine Company, Chicago. Amutoniocal motor with apparatus.	L-N-12 506
273. Johnson Company, Johnstown, Pa. Street railway appliances.	L-N-4-5 506	Motors for street lines, railways and other purposes; operated by liquid anhydrous ammonia furnished from stationary plants under letters patent issued by P. J. McMahon, inventor, by the United States and European governments. Geo. C. Fry, Pres, 1402 Ashland Block, Chicago.	
274. Jones, J. M., Sons, West Troy, N. Y. Street railway cars.	L-N-14 505	290. Standard Railway Supply Company, Chicago. Street car stoves and specialties.	L-N bet. 11&12 506
275. Lamokin Car Works, Philadelphia. Cars; folding car gates, etc.	L-N-9-10 506	290a. Stedman, J. H., Rochester, N. Y. Street railway transfer ticket.	L-N-14 506
276. Ludlow, Geo. M., Elgin, Ill. Model of electric car and track.	O-N-17 505	291. Stephenson, John, New York.	
277. McAndrews, James, Chicago. Street car castings and gongs.	P-S-4 506	a Cable car.	L-S-4-7 504
278. McGuire Manufacturing Company, Chicago. Motor trucks.	L-S-12-14 505	b Electric car, trucks and appliances.	505
279. Murray, Jasper, Cleveland, Ohio. Street car brake.	X-N, bet. 7&8 506	c Picture of first street car, built in 1831.	506
280. New Jersey Steel & Iron Co., Trenton, N. J. Model of elevated railway.	Y-N-5 507	291a. Stephenson, John, Company, New York. Truck for electric railway car.	L-S-4 to 7; Dept. J 505
281. Norton, A. O., Boston. Jacks for street and electric cars.	U-S-3 505	292. St. Louis Car Wheel Company, St. Louis. Street car wheels.	K-N-3 507
281a. Palmer, Francis Ingram, Chicago. Models and road-beds with elevated, surface and electric cars; drawings.	U-S-12 505	292a. Street Railway Review, Chicago. Exhibition of street railway tickets.	M-S-6 506
282. Parke, Robert A., New York. Compressed air street car.	Exhib. tracks. 506	294. Taylor Electric Truck Co., Troy, N. Y. Motor truck for street railway service.	Bet. X-N & Z-1 505
283. Peckham Motor Truck & Wheel Co., Kingston, N. Y. Motor truck and wheels, etc.	L-S-16 505	295. Tilden, B. E., Company, Chicago. Motor replacers, wrecking frogs, bridge guards.	X-N-9 505
285. Price Railway Appliance Company, Philadelphia. Rail joints; arcade system of sub-structure.	W-S-5 506		
286. Pullman Palace Car Company, Chicago. Street cars.	R-S-11-14 506		
One Patton motor car, two upper deck central entrance street cars, one central entrance street car, and one end entrance street car.			
286a. Ramapo Wheel & Foundry Co., Ramapo, N. Y. Boltless steel-tired wheels.	K-N-15-18; C-1-6-7; Q-S-8 to 15 505		

## Vehicles and Methods of Transportation on Common Roads.

- | Exhibit No.   | Class'n No. |     |
|---|-------------|-----|
| 296. Treadon Iron Company, Treadon, N. J.   |             |     |
| a Wire ropes and cables. Y&Z-4-5  | 504         |     |
| b Underground haulage appliances.   | 507         |     |
| Manufacture also steel and iron wire of every kind. Special attention given to the higher grades of steel wire. New York office. Cooper, Hewitt & Co., 17 Burling slip. Chicago office, 509 Phoenix building. |             |     |
| 296a. United Tramway Sprinkler Co., Louisville, Ky.   |             |     |
| Tramway sprinkler car.  |             |     |
| Exhibition track  | 506         |     |
| 297. Valley, John N., Jersey City, N. J.  |             |     |
| Model of elevated railway track.  |             |     |
| Wall W of aisle Y   | 507         |     |
| 297a. Weeks, Geo., Oakland, Cal.  |             |     |
| Jointed brake lever for electric or cable cars.   |             |     |
|   | Z-3         | 505 |
| 297d. Westinghouse Electric & M'fg Co., Pittsburgh, Pa.   |             |     |
| Cars, motors, controllers and general railway appliances.   |             |     |
| Dept. J-H-I & J-2 and on track  | 505         |     |
| 298. Wheeler, Harris A., Chicago.   |             |     |
| Street car seats.   | D-8-17      | 506 |
| 300. Wharton, Wm., Jr., & Co., Philadelphia.  |             |     |
| Track material.   |             |     |
| L-N-3&4; M-S-8&4  | 506         |     |
| Makers of all kinds of track material for use in street railways, such as rails, slot angles, curves, switches, mates, frogs, chairs, turntables, transfer tables, rail joints, etc.                          |             |     |

## GROUP 82.

## Miscellaneous and Special Railways.

- |   |        |     |
|---|--------|-----|
| 301. American Car Co., St. Louis.                             |        |     |
| Passenger coaches for sliding railway.                        |        |     |
| Midway Plaisance  | 508    |     |
| 301a. Hotchkiss, Arthur E., Chicago.                          |        |     |
| Bicycle railroad.   | A gal. | 508 |
| 301b. Multiple Speed & Traction Co., Chicago.                 |        |     |
| The multiple speed railway or moving sidewalk. On Casino Pier |        | 508 |

## GROUP 83.

## Vehicles and Methods of Transportation on Common Roads.

- |   |           |     |
|---|-----------|-----|
| 324. Abresch, Chas., Milwaukee, Wis.    |           |     |
| Beer wagons.                            | A-9       | 511 |
| 325. Acme End Gate M'fg Co., Chicago.   |           |     |
| Wagon end gate.                         | A-18      | 522 |
| 326. Allen, S. L., & Co., Philadelphia. |           |     |
| Steering sleds, coasters.               | B gal.    | 517 |
| 327. Alliance Carriage Co., Cincinnati. |           |     |
| Light pleasure vehicles.                | A-1       | 516 |
| 328. American Cycle Co., The, Chicago.  |           |     |
| Bicycles, etc.                          | F gal. 14 | 520 |

- | Exhibit No.   | Class'n No.     |     |
|---|-----------------|-----|
| 328a. Ames & Frost Co., Chicago.  |                 |     |
| Bicycles.   | F gal. 10-11-12 | 520 |
| Makers of "Imperial" bicycles, strictly high grade and guaranteed, and jobbers in bicycles and sundries. General offices 302-4 Wabash ave. Works, Blackhawk st. and Cherry ave., Chicago. |                 |     |
| 309. Amesbury Carriage Co., Amesbury, Mass.   |                 |     |
| Pleasure carriages.   | B-7             | 515 |
| 310. Anchor Buggy Co., Cincinnati.  |                 |     |
| Light pleasure vehicles.  | B-1             | 516 |
| 311. Ariel Cycle M'fg. Co., Goshen, Ind.  |                 |     |
| Bicycles.   | F gal. 12       | 520 |
| 312. Armleder, O., & Co., Cincinnati.   |                 |     |
| Delivery wagons.  | A-6             | 511 |
| 314. Auben, F. J., Oneida, N. Y.  |                 |     |
| Hand carts, runners.  | A-12            | 509 |
| 315. Austin, F. C., Manufacturing Company, Chicago.   |                 |     |
| a Dump wagon.   | A-10            | 510 |
| b Street sweeper.   |                 | 511 |
| 316. Austin, Tomlinson & Webster M'fg. Co., Jackson, Mich.  |                 |     |
| a Farm wagon.   | A-3             | 510 |
| b Village cart.   |                 | 516 |
| 316a. Automatic Check Hook Co., Detroit, Mich.  |                 |     |
| Automatic check hook, harness and watering trough.  | A-3             | 523 |
| 317. Ayres, William, & Sons, Philadelphia.  |                 |     |
| Horse blankets.   | B-5             | 523 |
| 318. Bailey, F. O., & Co., Portland, Me.  |                 |     |
| a Phaeton and surrey.   |                 | 516 |
| b Sleighs.  | B-7             | 517 |
| 319. Bailey, S. R. & Co., Amesbury, Mass.   |                 |     |
| Light pleasure vehicles.  | B-7             | 516 |
| 320. Baker, W. Edwyn, Philadelphia.   |                 |     |
| Wheels and hubs.  | A gal. 3        | 522 |
| 321. Barber Asphalt Paving Co., New York.   |                 |     |
| Traction recording vehicle for roadways.  | A-5             | 510 |
| 322. Barkley, Frank B., Manufacturing Company, Chicago.   |                 |     |
| B gal. 2-3  |                 |     |
| a Buggy and phaeton.  |                 | 516 |
| b Harness and saddlery goods.   |                 | 523 |
| 324. Bettendorf Hollow Steel Axle Works, Davenport, Ia.   |                 |     |
| Axles, bolsters, wagon.   | A-9             | 522 |
| 325. Biddle & Smart Co., Amesbury, Mass.  |                 |     |
| Light pleasure vehicles.  | B-7             | 516 |
| 325a. Birdsell M'fg Co., South Bend, Ind.   |                 |     |
| a Farm wagon.   | B-2             | 510 |
| b Victoria carriage.  |                 | 515 |
| c Phaetons, spring buggy.   |                 | 516 |
| 325b. Blakeslee & Co., Plantsville, Conn.   |                 |     |
| Carriage forgings.  | B gal.          | 522 |
| 327. Blodgett M'fg. Co., Chicago.   |                 |     |
| Bicycles.   | A gal. 1        | 520 |

## Vehicles and Methods of Transportation on Common Roads.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
327a. Boston & Lockport Block Co., Boston. R. R. Div. railroad trucks.	E gal. 29 500	349. Clarkson, J. T., & Co., Amesbury, Mass. Pleasure carriages.	B-7 515
327b. Bowman, Geo., Chicago. Cycle racing machine.	F gal. 520	350. Cleveland Hardware Co., Cleveland, Ohio. Wagon and carriage hardware.	B gal. 522
328. Bowman & Allen, Dayton, Ohio. Tobacco wagon.	Y-N 511	351. Coburn Whip Co., Windsor, N. Y. Whips.	B gal. 7 523
328a. Bradshaw Mfg. Co., Boston. Bicycles.	A gal. 1 520	352. Colfax Mfg. Co., South Bend, Ind. Light pony vehicles.	B-7 516
Young America long distance, "Fifteen Dollar" safety for boys and girls.		353. Collins Manufacturing Company, Jackson, Mich. Light pleasure carriages.	B-7 516
329. Brailly, Phillipe, Bellaire, Ohio. Brake for heavy carriages.	B-4 522	354. Columbia Cab Co., Decatur, Ill. Baby carriages, stools.	B gal. 9 521
330. Brewster & Co., New York. a Light pleasure carriages.	B-3 516	Mfg. folding baby carriage, folding stool.	
b Sleigh.	517	354a. Columbian Carriage Co., New York. Folding baby carriages.	B gal. 6-7 521
331. Bridgeport Chain Co., Bridgeport, Conn. Chains.	B gal. 523	354b. Columbian M'fg Co., Chicago. Curry comb.	A gal. 4 523
Coil, halter, curb, tie out, post, kennel, dog lead, heel, rein, trace, sash, safety, basin, bath tub and key chains.		355. Columbus Buggy Co., Columbus, Ohio. a Light pleasure vehicles.	B-5 516
334. Briggs Carriage Co., Amesbury, Mass. a Large pleasure wagons.	B-7 512	b Carriage formerly belonging to President Polk.	B-11 515
b Light pleasure vehicles.	516	c Mexican ox-cart.	515
336. Buckeye Buggy Co., Columbus, Ohio. Light pleasure vehicles.	B-3 516	d Japanese jinricksha.	515
337. Buckeye Cart Co., Charleston, W. Va. Light pleasure vehicles.	A-1 516	356. Cook Carriage Co., Cincinnati. Light pleasure vehicles.	A-2 516
338. Buffalo Spring & Gear Co., Buffalo, N. Y. Vehicles in the white.	A-12 516	357. Cook, William, New York. Children's carriages.	B gal. 521
339. Burg Wagon Co., Burlington, Iowa. Wagon.	A-5 511	358. Cork Faced Collar Co., Lincoln, Ill. Horse collars.	B gal. 6 523
342. Burlington Blanket Co., Burlington, Wis. Horse blankets.	A gal. 523	359. Cowles, C., & Co., New Haven, Conn. Carriage hardware.	B gal. 522
This "stay on" blanket is cut and fashioned to fit. Needs no surcingle, no tight girthing, but stays on the horse. Pat. Mar. 10, '91.		360. Crane & Breed Mfg. Co., Cincinnati. Hearses and funeral car.	A-4 519
342a. Butler, L. A., Chicago. Trace fastener holdback.	B gal. 522	361. Cunningham, Jas., Son & Co., Rochester, N. Y. a Pleasure carriages.	B-5 515
343. Cately & Ettling, Cortland, N. Y. Improved let-down for top of buggy.	B gal. 1 522	b Hearses.	519
344. Central Cycle Mfg. Co., Indianapolis, Ind. Bicycle and parts.	A gal. 520	361a. Curley, John, Brooklyn, N. Y. a Pleasure carriages.	B-4 515
345. Champion Wagon Co., Owego, N. Y. Farm and lumber wagons.	A-9 510	b Buggy.	516
346. Checkhook Holdback Coupling Co., Chicago. Couplings.	C-9 522	362. Currier, Cameron & Co., Amesbury, Mass. Phaetons.	B-7 516
346a. Chicago Trace Holder Co., Chicago. Trace holders.	A gal. 4 522	363. Currier, Eben N., Amesbury, Mass. Buggy.	B-7 516
Office, 233 W. Madison St. Exclusive m'frs of the Wheat Trace Holder, a spring tug-post, for use on all stiff-bar vehicles.		365. Dann Bros. & Co., New Haven, Conn. Carriage woodwork.	A-14 522
347. Cincinnati Panel Co., Cincinnati. Buggy and surrey bodies in the white.	A-14 522	366. Dalzell Axle Co., South Egremont, Mass. Carriage axles.	B gal. 522
348. Clark, A. H., Company, Chicago. Bicycles.	A gal. 1 520	366a. Danz, Wm., Detroit, Mich. Hill coupling.	B gal. 4 522
		367. Dark, Thos., & Sons, Buffalo, N. Y. Garbage wagon.	A-7 511
		368. Davies Iron Works, Muskegon, Mich. Trucks.	A-12 509
		369. Davis Carriage Co., Cincinnati. Light pleasure vehicles.	A-2 516

## Vehicles and Methods of Transportation on Common Roads.

Exhibit No.	Class'n No.		Exhibit No.	Class'n No.	
362a. Dayton Buggy Works, Dayton, Ohio.			385a. Fenton M'fg Co., Fenton, Mich.		
Surrey.	B-8	516	Whip sockets.	B gal. 7	523
370. Deininger, Michael F., Brooklyn, N. Y.			385b. Fenton Metallic M'fg Co., Jamestown, N. Y.		
Improvement in hearse plumes. Hub attaching devices and nut locks for coaches.	A-4	519	Bicycle accessories.	F-14	520
370a. Denver Mfg. Co., Denver, Colo.			387. Fish Bros. Wagon Co., Racine, Wis.		
Saddles, bridles.	A gal.	528	a Lumber gear.	A-7	510
371. Derby Cycle Co., Chicago. Bicycles and parts.	F gal. 2	520	b Heavy wagons.		511
372. Dentler, Frank, & Sons, Parkville, Mich.			Manufacturers of all kinds of farm, heavy freight, light delivery and panel-top delivery wagons; also heavy trucks and express wagons.		
Pneumatic sulky.	B-9	516	388. Fitch Gear Co., Rome, N. Y.		
374. Donnelly & Deward, Chicago. Safety bicycle.	F gal. 7	520	gear.	A-14	522
Originators of double diamond frames, and one piece driving gears. Patented.			389. Flandreau & Co., New York.		
375. Dunham & Kissinger Bros., Englewood, Ill.			a Pleasure carriages.	B-4	515
Dump wagons.	A-7	511	b Wagon.		516
377. Eberhard Mfg. Co., Cleveland, Ohio.			Every variety of pleasure vehicles for town and country, including all novelties and standard designs, comprising the largest stock of finished carriages shown by one firm in the world. A proper exhibit showing the varieties we make was not completed in time for exhibition.		
a Carriage and wagon hardware.		522	389a. Fleming & Dobyne M'fg Co., Harvard, Ill.		
b Saddlery hardware.	B gal.	523	Neck yokes and neck yoke centers.	B gal.	522
377a. Eccles, Richard, Auburn, N. Y.			390. Folger & Drummond, Amesbury, Mass.		
Carriage forgings.	B gal.	522	Traps.	B-7	515
378. Elbel & Co., Canton, Ohio. Saddlery hardware.	A gal.	523	391. Folger, N. H., Amesbury, Mass.		
379. Elkhart Carriage & Harness Mfg. Co., Elkhart, Ind.			Cut-under.	B-7	516
a Milk wagon.	B-8	511	391a. Fostoria Buggy Co., Jackson, Mich.		
b Wagonette.		512	Light pleasure vehicles.	B-7	516
c Light pleasure vehicles.		516	392. Frazier, W. S., & Co., Chicago.		
d Harness.		523	Light pleasure vehicles.	B-8	516
380. Emerson & Fisher Co., The, Cincinnati.			393. Freeland & Bradley, Wellsville, N. Y.		
Light pleasure vehicles.	A-2	516	Carriage poles.	A-14	522
381. Empire Cross Spring Co., Janesville, Wis.			394. Freeport Bicycle Mfg. Co., Freeport, Ill.		
Large pleasure wagons.	A-4	512	Bicycles and parts.	F gal. 11	520
382. Enterprise Carriage Mfg. Co., Miamisburg, Ohio.			396. Fulton & Walker Co., Philadelphia.		
Light pleasure vehicles.	B-1	516	Heavy wagons.	A-3	511
382a. Enos, John A., Washington D. C.			396a. Fulton Machine Works Co., Chicago.		
Road carriage.	X-12	518	Cycles.	B gal.	520
383. Excelsior Shaft Loop Co., Moline, Ill.			397. Gallup, S. C., & Frazier, Pueblo, Col.		
Shafts for vehicles.	B gal. 6	522	Saddles; cow boys' leather overalls.	A gal.	523
383. Favorite Carriage Co., Cincinnati.			397a. Garford M'fg Co., Elyria, Ohio.		
Light pleasure vehicles.	A-2	516	Bicycle saddles.	F gal. 26	520
Builders of exclusively fine work. Office Station F., Cincinnati, O.			398. Garrard, Henry H., Cleveland, Ohio.		
384. Featherstone, A., & Co., Chicago.			Pneumatic tire trotting sulky.	B-9	516
Bicycles, children's carriages.	F gal. 23	520	399. Gellhaus, Nielsen & Pamp, Philadelphia.		
Makers of the celebrated Road King and Road Queen bicycles. Best in the world. The original manu'frs of pneumatic tires for bicycles in America. Factory, corner Clark and 16th Sts., and Armour Ave. City retail salesroom, No. 282 Wabash Ave.			Snow and ice velocipede.	A gal.	520
385. Fenton, J. H., Co., Chicago. Stable accessories.	A gal.	523	400. Geneva Carriage Co., Geneva, N. Y.		
			a Wagon.	A-3	511
			b Wagonette.		512
			c Light pleasure vehicles.		516

## Vehicles and Methods of Transportation on Common Roads.

Exhibit No.	Class No.	Exhibit No.	Class No.
401. Gendron Iron Wheel Company, Toledo, Ohio.	F gal. 4	422. James & Mayer Buggy Co., Lawrenceburgh, Ind.	Light pleasure vehicles. B-1 516
a Bicycles; tricycles; velocipedes.	520	423. Johnson, F. C., Kishwaukee, Ill.	Neck yokes. B gal. 522
b Children's carriages; goat sulky.	521	Center made of steel. Strong and durable.	
402. Getz, Henry, New York City.	Tally ho coach (1765). B-11 515	423a. Johnston, Jas. L., Topeka, Kas.	Wagon wheels, gear, shaft couplings. A-B 522
403. Glens Falls Buckboard Co., Glens Falls, N. Y.	Light pleasure vehicles. B-8 516	425. Joliet Strowbridge Co., Joliet, Ill.	Farm wagon. A-9 510
403a. Goetz, A. D., Charlestown, W. Va.	Dies for harness. F gal. 7 523	425a. Kalamazoo Cycle Co., Kalamazoo, Mich.	Parcel and baby carriages and sun shades for bicycles. F gal 7-8 520
403b. Goodrich, John R., Milwaukee, Wis.	Carriage formerly belonging to Daniel Webster. B-11	426. Kauffman Buggy Co., Miamisburg, Ohio.	Light pleasure vehicles. B-1 516
404. Gormully & Jeffery Mfg. Co., Chicago.	Bicycles and parts. F gal. 20 520	428. Kentucky Wagon Mfg. Co., Louisville, Ky.	Wagons. A-10 510
405. Gould, E. E., Belvidere, Ill.	Bicycle with attachment for running on snow and ice. B gal. 4 520	"Tennessee" brand established 1868; "Old Hickory" brand 1879. Manufacture both brands in all sizes and styles used throughout the United States. Works cover 30 acres, and are best equipped and arranged of any farm wagon factory in the world. Produce on an average 1 wagon every 6 minutes.	
406. Grand Rapids Wheelbarrow Co., Grand Rapids, Mich.	Wheelbarrows. A-12 509	429. Kent, S. W., Meriden, Conn.	Horse ice chisels. B gal. 523
407. Green, John M., Mfg. Co., Chicago.	Harness, stable accessories. A gal. 523	429a. Kenwood Mfg. Co., Chicago.	Bicycles. F gal. 17 520
407a. Hall M'fg Co., New York.	Luggage carrier and spoke grip. A gal. 1 520	429b. Keystone Wagon Co., Reading, Pa.	Coal dumping wagons. A-6 511
408. Hanaw, F., & Co., Jackson, Mich.	Road cart; sulkies. A-3 516	430. Kilbourne & Jacobs M'fg Co., Columbus, Ohio.	a Wheelbarrows. A-12 509
409. Hanimann, Chas., New York.	Self-operating baby carriage brake. B gal. 521	Wood and steel, all kinds.	
410. Hartford Cycle Co., Hartford, Conn.	Bicycles and parts. F gal. 22 520	b Two-wheeled trucks.	510
411. Hartman & Co., Wooster, Ohio.	Stable accessories. A gal. 523	432. Kiper, S., & Sons, Chicago.	Stable accessories. A gal. 523
412. Henney Buggy Co., Freeport, Ill.	Gabriolets, phaetons, surreys and buggies. B-5 516	433. Knickerbocker Ice Co., Chicago.	Ice and dump wagons. A-5 511
413. Hickory Wheel Co., Newton, Mass.	a Sulkies. B-9 516	434. Knickerbocker Ice Co., Philadelphia.	Ice wagon. A-10 511
b Bicycles and parts.	F gal. 25 520	435. Kimball, C. P., & Co., Chicago.	a Pleasure carriages. B-4 515
414. Hill Cart Co., Chicago.	Road carts. A-1 516	b Speeding wagon.	516
415. Hill, Wm. D., Northwood, N. C.	Harness. A gal. 2 523	c Trotting sleigh.	517
416. Hill, Thomas, Jersey City, N. J.	Wagon, dumping cart. A-7 510	d Stable accessories.	523
417. Hollander, Lambert, Amesbury, Mass.	Rockaways. B-7 515	436. Kimbark, S. D., Chicago.	Carriage bodies, spokes and wagon wood. A-11 522
418. Hotchkiss, A. E., Chicago.	Bicycle. A gal. 520	438. Krause, R. F., Chicago.	Buggy tops. B gal. 522
419. Hullar Bros., Chicago.	Horse collars. A gal. 523	439. Lansing Wheelbarrow Co., Lansing, Mich.	Trucks, wheelbarrows, etc. A-12 509
420. Indiana Buggy Company, Elkhart, Ind.	Light pleasure vehicles. B-8 516	440. LaPorte Carriage Co., LaPorte, Ind.	a Coupe rockaway. B-8 515
421. India Rubber Comb Co., New York.	Harness trimmings. A gal. 523	b Pleasure vehicles.	516
Trade mark "I.R. Comb Co., Goodyear, 1851."		c Sleigh.	517

## Vehicles and Methods of Transportation on Common Roads.

Exhibit No.	Class'n No.	
440a. Lawrence, Chas. H., Chicago.		
a Horse snow shoes, used on stage line in mountainous districts of California.		
b Norwegian "skees," or snow shoes.	F gal. 517	
441. Lyle, Frank, Mrs., Dowagiac, Mich.		
Invalid chair.	B gal. 8 521	
442. Lux, Jos. J., Sealy, Texas. Cowboy saddle.	A gal. 1 523	
442a. Lux, Peter, Hartford, Conn. Wagon over 100 years old, formerly belonging to Nancy Standish Weller, a descendant of Miles Standish.		
443. Lozier Mfg. Co., Toledo, Ohio. Bicycles and parts.	F gal. 18 520	
444. Manville, B., & Co., New Haven, Conn. Pleasure carriages.	B-4 515	
445. Marion Cycle Co., Marion, Ind. Bicycles.	F gal. 3 520	
445a. Mast & Co., P. P., Springfield, Ohio. Grass cart.	Dept. B 509	
446. McClinchie, Uriah, New York. Baby carriages.	B gal. 521	
447. McCollum Steel Wheel Wagon Company, Elgin, Ill. Steel wheel wagons.	A-5 510	
449. McIntosh Huntington Co., Cleveland, Ohio. Bicycles and parts.	F gal. 26 520	
450. McKinnon Dash & Hardware Co., Buffalo, N. Y. Dashes and fenders.	B gal. 522	
451. McMurray & Fisher Sulky Co., Marion, Ohio. Sulkeys.	A-3 516	
452. Medina Carriage Company, Medina, Ohio. Pony wagon.	B-9 516	
453. Melville, John, Buffalo, N. Y. Display horses. With historical ex.	523	
453a. Melzer, A., Evansville, Ind. Military baggage wagon and breastworks combined.	A-11. 511	
454. Merrill-Stevens Mfg. Co., Niles, Mich. Bicycle wheels.	F gal. 7 520	
455. Metal Stamping Co., New York. Carriage hardware.	B gal. 522	
456. Michigan Buggy Co., Kalamazoo, Mich.		
a Pleasure carriages.	B-3 515	
b Light pleasure vehicles.	516	
457. Milburn Wagon Co., Chicago.		
a Wagons, trucks.	A-7 510	
521-531 Wabash Ave., cor. Harmon Court. Express, grocery, laundry, dry goods, bakers' and business wagons, and trucks of all styles		

Exhibit No.	Class'n No.	
and sizes. Coal, grain and farm wagons, lumber and teaming gears. The "Milburn" leads.		
b Light pleasure vehicles.	516	
Carriages, phaetons, buggies and harness.		
458. Miller Bros., Amesbury, Mass. Break.	B-7 512	
459a. Miller, P. J., Chicago. Harness soap.	A gal. 523	
460. Miller-Knoblock Wagon Co., South Bend, Ind.		
a Heavy trucks.	A-8 510	
b Street sprinkling wagons, beer wagons.	511	
c Wagon fifth wheels.	522	
460a. Mitchell & Lewis Co., Racine, Wis.		
a Farm wagon.	A-6 510	
b Express wagons.	514	
c Light pleasure vehicles.	516	
461. Mogul Mfg. Co., New York. Steel springs.	A gal. 522	
462. Moline Wagon Co., Moline, Ill.		
a Farm wagons.	A-5 510	
b Spring wagons.	516	
463. Monarch Cycle Co., Chicago. Bicycles.	F gal. 21 520	
464. Moore, L. Murray, Rochester, N. Y. Trucks, truck baskets, etc.	A-12 509	
Pipe frame and wire standard truck baskets for stores, mills, factories and express companies. Steel dry goods, warehouse and wagon trucks. Pipe frame shoe racks.		
465. Morrill, Osgood, Amesbury, Mass. Traps.	B-7 516	
465a. Morris, A. B., Paulding, Ohio. Rustic coach.	B-11 514	
466. Motts, Geo., Washington, D. C. Harness.	A gal. 523	
Highest medal awarded, Centennial 1876.		
466a. Muncie Wheel Co., Muncie, Ind. Wheels and material.	A-13 522	
467. Neal & Bolser, Amesbury, Mass. Light pleasure vehicles.	B-7 516	
468. Neder & Cleland, Salt Lake City, Utah. Unpainted phaeton.	B-9 516	
469. New Haven Carriage Co., New Haven, Conn. Pleasure carriages.	B-3 515	
471. New York Fifth Wheel Co., Brooklyn, N. Y. Fifth wheels.	B gal. 522	
472. Norwood, J. E., Mfg. Co., Baltimore. Automatic harness and vehicle attachment.	B-10 523	
A new idea. Suitable for all classes of vehicles using single harness. No traces, swingletree, or thill tugs. No sore backs or bruised shoulders. Reduces the wear of harness 30%. Vehicles ride 100% easier.		
473. O'Brien Wagon Co., Lafayette, Ind. Farm wagons.	A-10 510	

## Vehicles and Methods of Transportation on Common Roads.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
474. O'Connor Hame Fastener Co., New York. Hame fasteners.	B-6 523	493a. Roth, Jas. D., Nazareth, Pa. Hub for vehicle wheels.	A gal. 1 522
475. O'Hara, John H., Chicago. Thill couplings.	B gal. 522	494. Rouse-Duryea Cycle Co., Peoria, Ill. Bicycles and parts.	F gal. 15 520
476. Ohio Spiral Spring Buggy Co., Cincinnati. Light pleasure vehicles.	A-1 516	495. Rouse, Hazard & Co., Peoria, Ill. Bicycles and parts.	F gal. 16 520
477. Ohl, Geo. D., Milwaukee, Wis. Horse collar.	B gal. 523	496. Rowell, Saml., & Son, Amesbury, Mass. Traps.	B-7 516
477a. O'Kane, J., San Francisco. Saddles and harness.	B gal. 1&2 523	497. Rowland, Wm., & Harvey, Philadelphia. Vehicle springs.	B gal. 522
478. Ortmayer, A., & Son, Chicago. Saddlery.	A gal. 523	498. Royal Cycle Works, Marshall, Mich. Bicycles and parts.	F gal. 7 520
479. Overman Carriage Co., Cincinnati. Buckboard.	A-2 516	498a. Rony, Gustav, Redlands, Cal. Three wheel phaeton.	B-10 516
480. Overman Wheel Co., Chicopee Falls, Mass. Bicycles.	F gal. 10 520	499. Rubber Step Mfg. Co., Exeter, N. H. Carriage steps.	B gal. 522
The "Victor" highest grade. The only factory in the world where the entire bicycle is made.		500. Safety Halter Company, Chicago. Safety halter, rope and street tie rope.	B gal. 4 522
481. Palmer, Chas. A., Amesbury, Mass. Brougham.	B-7 515	501. Sargent, D. F., & Son, Geneseo, Ill. Road carts.	A-1 516
482. Parry, A. N., & Co., Amesbury, Mass. Break and wagons.	B-7 512	502. Sargent Mfg. Co., Muskegon, Mich. Wheels, rolling chairs.	A gal. 521
482a. Penn Wagon Co., Reading, Pa. Dumping wagon.	A-3 511	503. Sayers & Scovill, Cincinnati. a Buggies.	A-4 516
483. Peters Dash Co., Columbus, Ohio. Vehicle dashes, fenders, etc.	B gal. 522	b Hearse and cars.	519
484. Pope Mfg. Co., Boston. Bicycles and parts.	F gal. 23 520	504. Schaefer & Schlegel, Rochester, N. Y. Carriage and hearse trimming.	A gal. 522
Columbia bicycles—cold drawn weldless steel tubing and pneumatic tires. Offices: 221 Columbus Ave., Boston. Factories: Hartford, Conn. Branch houses: 12 Warren St., New York, and 291 Wabash Ave., Chicago		Mfrs. fringe, tassels, etc. Latest designs.	
485. Pratt & Letchworth, Buffalo, N. Y. Hames, saddlery, etc.	O-S-1&2 523	505. Schwitter, Fred, Allegheny, Pa. Milk wagon.	A-10 510
485a. Quimby, —, Newark, N. J. Old-time "One-horse chaise."	B-11 515	506. Schuttler & Hotz, Chicago. a Wagon and cart.	A-5 510
486. Racine Wagon & Carriage Co., Racine, Wis. a Wagons.	A-1&6 511	b Special purpose wagons.	511
b Light pleasure vehicles.	516	Manufacturers of farm, freight, ore, log and special purpose wagons, dump carts, etc. Established 1843. Office, 45 W. Monroe St.	
Spring vehicles of every kind; carriages, buggies, spring and express wagons, trade wagons for meat, bakery, milk, etc. Stake trucks, advertising wagons, etc. Largest builders in America. All grades and prices.		507. Sechler, D. M., Carriage Co., Moline, Ill. Light pleasure vehicles.	B-2 516
487. Ratterman & Luth, Cincinnati. Light pleasure vehicles.	B-1 516	508. Sechler & Co., Cincinnati. Light pleasure vehicles.	A-2 516
488. Read, Wm., & Sons, Boston. Bicycles.	F gal. 3 520	509. Seeman, Henry & Son, Durham, N. C. Vehicle with wooden springs.	B-4 516
489. Remington Arms Co., Ilion, N. Y. Bicycles and parts.	F gal. 2 520	509a. Selle Gear Co., Akron, Ohio. Wagon gears.	A-14 522
490. Risser, A. F., Co., Chicago. Saddlery.	A gal. 523	509b. Sercombe-Bolte Mfg. Co., Milwaukee, Wis. Bicycles and parts.	F gal. 5 520
492. Rochester Wheel Co., Rochester, N. Y. Vehicle wheels and parts.	A-11 522	510. Sheldon Axle Co., Wilkes-Barre, Pa. Carriage axles.	B gal. 522
493. Rock Falls Mfg. Co., Sterling, Ill. Hearses and cars.	A-4 519	512. Shepard, H. G., & Sons, New Haven, Conn. Carriage wood work.	A-14 522
		512a. Shermer, C. H., Glens Falls, N. Y. Old style sleigh of year 1783.	B-11 517
		513. Shiels, John H., & Co., Amesbury, Mass. Phaeton.	B-7 516
		513a. Sholl Steel Whiffletree Mfg. Co., Hobart, Ind. Whiffletrees and neck yokes.	A-3 522

## Vehicles and Methods of Transportation on Common Roads.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
514. Simonds Rolling-Machine Co., Fitchburg, Mass. Steel balls for bicycles and rolled-forged specialties. A gal. 1	520	532. Toledo Display Horse Co., Toledo, Ohio. Display horses, etc. A gal.	523
515. Smith, H. B., Machine Co., Smithville, N. J. Bicycles. A gal.	520	533. Trott Mfg. Co., Chicago. Surcingles. B gal.	523
516. Smith, H. D. The, Co., Plantsville, Conn. Vehicle hardware. A gal.	522	534. Troy Buggy Works Co., Troy, Ohio. Light pleasure vehicles. B-8	516
516a. Snell Cycle Fitting Co., Toledo, Ohio. Bicycles and accessories. A gal.	520	535. Turnbull & Co., Newark, N. J. a Coach. A-4	515
517. Spalding, A. G. & Bros., Chicago. Bicycles and accessories. F gal. 11-13	520	b Hearses. A-4	519
519. Standard Wagon Co., Cincinnati. Light pleasure vehicles. A-2	516	535a. Union Hardware Co., Union, N. Y. Coach, truck and carriage forgings. B gal.	522
519a. Staver & Abbott M'fg Co., Chicago. a Road wagon. B-3	512	536. United States Whip Co., Westfield, Mass. Whips and lashes. A gal.	523
b Coupe. B-3	513	Branch factories in several States. Capacity ten million whips per annum. Business founded 1823. Salesrooms in New York, Chicago, San Francisco, and other principal cities of the United States of America. Correspondence solicited. Do not fail to see exhibit.	
c Four-in-hand coach. B-3	515	536a. U. S. Buggy and Cart Co., Cincinnati. Buggies. A-1	516
d Spider harness. B-3	523	Special self-tightening wheels for hot climates a specialty. Catalogues free.	
521. Stender, G. F. G., Chicago. Harness. A gal.	523	536b. Valentine, W. W., Washington, D. C. Carriage wheels. B gal.	522
524. St. Louis Carriage Mfg. Co., St. Louis. Light pleasure vehicles. B-2	516	536c. Virginia State Commission. Rolling boghead used in Colonial times for conveying tobacco to market. F gal.	510
524a. St. Louis Wrench Co., St. Louis. Wrenches, ratchet drills. B gal.	522	537. Wakefield Rattan Co., Chicago. Children's carriages. B gal. 8	521
525. Stokes Mfg. Co., Chicago. Bicycles and parts. F gal. 6	520	538. Walborn & Riker, St. Paris, Ohio. Pony vehicles. B-2	516
526. Stone, C., & Sons, Chicago. Pleasure carriages. B-4	515	539. Wapakoneta Wheel Co., Wapakoneta, Ohio. Wheels and materials. A-13	522
527. Streich, A., & Bro., Oshkosh, Wis. a Trucks and carts. A-10	510	540. Warwick Cycle Manufacturing Company, Springfield, Mass. Safety bicycles. F gal. 7	520
b Special purpose wagons. A-10	511	542. Wayne Sulkyette & R. C. Co., Decatur, Ill. Light pleasure vehicles. A-1	516
c Log sled. A-10	517	543. Weber Wagon Co., Chicago. a Special purpose wagons. A-9	511
528. Studebaker Bros. Mfg. Co., Chicago. a Pleasure carriages. B-6	515	b Mountain wagon. A-9	512
b Sets of harness. B-47	523	c Bob sleigh. A-9	517
Fine carriages of every description, from the light speeding wagon to the massive four-in-hand coach, including many styles not produced by other manufacturers. Fine harness, both light and heavy, and everything for the perfect equipment of rider and driver.		544. Western Wheel Works, Chicago. a Bicycles. A gal. 1-2	520
529. Studebaker Bros. M'fg Co., South Bend, Ind. a South American, Mexican and dump carts, wagons. B-6-A-8	510	b Wheel chairs; children's carriages. A gal.	521
b Wagons for special purposes, platform trucks, sprinklers. B-6-A-8	511	Manufacturers. Office and works: Wells, Schiller and Sigel streets, Chicago. Eastern office: 95 Barclay street, New York. See advertisement in Official Directory.	
c Wagonettes. B-6-A-8	512	545. Western Wheeled Scraper Company, Aurora, Ill. Wheelbarrows. Y-N&Z-12	509
d Wagon and sleigh specialties. B-6-A-8	522	546. Weston & Wells Mfg. Co., Philadelphia. Vehicle fittings. B gal.	522
530. Stutz & Walker, Goshen, Ind. Buggies. A-3	516		
530a. Taylor & Lawton, Denver, Col. Carriage and wagon wheels. B gal.	522		
531. Taylor, S., & Co., Chicago. Track harness; horse boots. A gal.	523		
531a. Timken, Henry, St. Louis. Side and bar spring buggies. B-2	516		

## Aerial, Pneumatic and Other Forms of Transportation.

Exhibit No.	Class's No.	Exhibit No.	Class's No.
546b. Wheeler, Nelson, Mercer County, Ill. Saddle-bags formerly belonging to John J. Crittenden of Kentucky. F gal. 523		550. Bostedo Package & Cash Carrier Co., Chicago. a Pneumatic tubes. 524	
546c. White Mfg. Co., Bridgeport, Conn. Carriage lamps and mountings. B gal. 522		b Spore service carriers. 525	
546d. Whitman Agricultural Co., St. Louis. Trucks, wagons and cars. X-N & Y-S-12 509		561. Burdett & Rowntree, Chicago. Mechanism for operating elevator doors. D-4-16 522	
546e. Whitman Saddle Co., New York. Saddles, whips, bridles, bits, spurs. A gal. 523		563. Crane Elevator Company, Chicago. Elevators and passenger machines. Dept. F 527	
546f. Whitney, Russell M., Olean, N. Y. Black birch wagon hubs. A-11 522		Builders of hydraulic, steam and electric elevators, ornamental hatchway enclosures, hoists and reversing engines for blast furnaces, mines and special mill service. General offices and works: Chicago. Offices: New York, Pittsburg, St. Louis, Omaha, Minneapolis and Portland, Ore.	
This timber is adapted to very dry climate, as it does not check. All sizes from 6 in. to 16 in. in diameter always in stock.		565. Eaton & Prince Co., Chicago. a Steam passenger and freight engines. C-2-8 500	
547. Wilcox & Howe Co., Birmingham, Conn. Vehicle hardware. B gal. 522		b Hydraulic passenger elevator with electric pump. 527	
548. Williamson, A. McIntosh, Philadelphia. Rubber cushioned wheel. B gal. 522		565a. Mansfield Cash & Package Carrier Co., Mansfield, Ohio. Cash and package carriers. A gal. 523	
Of American origin; a radical departure from old methods, secures comfort to the rider, and lightens the draught to the horse; is elastic, durable and effective.		565b. McCormick Store Service Co., Emporia, Kas. Store service apparatus. A gal. 501	
550. Winans, Pratt & Co., Kalamazoo, Mich. Light pleasure vehicles. A-4 516		566. McEachran, Andrew, Fitchburg, Mass. Elevator. F gal. 7 527	
556. Woodhull, Morris, Dayton, Ohio. Jump seat surrey. B-8 516		567. Miles Pneumatic Tube Company, Boston. a Pneumatic parcel, cash and mail tubes. D-12-24 524	
557. Woods, Wm. J., Cold Spring, N. Y. Whiffletree coupling. B gal. 522		b Pneumatic elevators. 527	
557a. World's Columbian Exposition. Ox-cart made by the Indians of the Pueblo of Acoma, New Mexico. F gal. 522		568. Morse, Williams, & Co., Philadelphia. Passenger elevator. D-14-17 527	
557b. World's Columbian Exposition — Ancient Transportation Illustrated by. a Replica of ancient chariot found in a tomb of the Acropolis of Thebes, Egypt, believed to be a Scythian racing chariot. Original in Royal Egyptian Museum, Florence, Italy. b Replicas of bas reliefs from ancient Etruscan tombs, showing chariots, etc. F gal. 12-13		Direct Electric Elevator—one of the greatest improvements of the age. Builders also of hydraulic, steam, belt and hand power, passenger and freight elevators. 423 Omaha Bldg., Chicago; 1105 Frankford Ave., Phila.; 108 Liberty St., New York; 33 Lincoln St., Boston; 1116 E. St., N.W. Washington, D. C.	
558. Yost Mfg. Co., The, Toledo, Ohio. Bicycles and accessories. A gal. 6 520		569. Otis Bros. & Co., New York. Hydraulic, electric and steam elevators. D-4 Central towers and Exposition Buildings. 527	
GROUP 84.		569a. Richmond Safety Gate Co., Richmond, Ind. Safety gates for freight elevators. C-7 col. 7 502	
Aerial, Pneumatic and Other Forms of Transportation.		571. Standard Screw Elevator Manufacturing Company, Baltimore. Elevator. C-2-11 527	
559. Barr Cash & Package Carrier Co., Chicago. a Pneumatic tubes. A gal. 524		573. Smith-Hill Foundry and Machine Co., Quincy, Ill. Elevators. C-7 527	
b Carriers, money changer. 525		573a. Standard Store Service Co., Freeport, Ill. Cash and package carrier. F gal. 7 525	

## Vessels, Boats—Marine, Lake and River Transportation.

Exhibit No.	Class'n No.
574. Swezey, Moses Clarke, New Haven, Conn. Cash carriers.	F-7 525
575. Trenton Iron Company, Trenton, N. J. Hoisting and conveying appliances and tramways.	Y & Z-4 527
Manufacture also steel and iron wire of every kind, and wire rope for all purposes. New York office, Cooper, Hewitt & Co., 17 Burling slip. Chicago office, 509 Phoenix building.	
575a. Worthington, Henry R., New York. Elevator pumping machinery.	B-18 527

## GROUP 85.

## Vessels, Boats—Marine, Lake and River Transportation.

575b. Acme Folding Boat Co., Miamisburg, Ohio. Folding canvas boats, canoes.	E gal. 26 528
576. Allen, F. S., Cuttyhunk, Mass. Life boat.	E gal. 40 534
577. American Ship Windlass Co., Providence, R. I. Windlasses, capstans models, etc.	D-12-23 531
578. American Steel Barge Company, Superior, Wis.	
a Barges.	E gal. 41 528
b Models of steamers.	529
c Photographs.	530
d Anchor.	532
579. Anderson, James A., Clinton, Ohio. Full rigged ship and half models of brig and schooner.	E gal. 26 528
580. Ashton Valve Co., Boston. Marine safety valves and gauges.	I-N-11 531
583. Bath Iron Works, Bath, Me. Windlasses, capstans, appliances.	D-12-24 531
584. Beaver-Webb, J., New York. Models of yachts.	E gal. 27 529
585. Beeson, H. C., Detroit, Mich. Marine directory.	E gal. 29 534
586. Blanchard Bros., Yarmouth, Me. Model of ship "Admiral."	E gal. 35 528
587. Blight, Robert Fulton, Chicago. Portrait of Robert Fulton.	E gal. 35 536
588. Boston & Lockport Block Co., Boston. Blocks, pumps, hoists.	E gal. 29 532
590. Brooks, John B., Waysata, Minn. Sail boat model.	E gal. 26 528
590a. Bucyrus Steam Shovel & Dredge Co., South Milwaukee, Wis.	W-N-4-8
a Models, photographs, etc.	530
Complete collection illustrating various types of dredging and excavating machines in operation. Placer mining excavators	

Exhibit No.	Class'n No.
with gold saving machinery in combination (See exhibit Mines and Mining.) Chicago office, Rookery, E. W. Cramer, Agent.	
b Dredge buckets.	531
591. One bucket for "Dipper" dredge, 8 cubic yards capacity, weight 9 tons. This bucket is the largest in the world. Two steel buckets for "Elevator" dredge, ½ cubic yard capacity each. These buckets are fitted with Robinson's patent protected and lubricated joint connections.	E gal. 39
592. Buess, Fred D., Meriden, Conn. Picture of S. S. "Elbe" in human hair.	E gal. 39
592a. Cape Ana Anchor Works, Gloucester, Mass. Anchors.	E gal. 42 532
Geo. B. Carpenter & Co., agents, Chicago.	
593. Carlton, Norwood & Co., Rockport, Me. Model of ship "Fred'k Billings."	E gal. 35 518
594. Carpenter, Geo. B., & Co., Chicago. Sails and sailmaking.	E gal. 42 532
General marine hardware and ship chandlery exhibit.	
595. Cassidy, A. B., Washington, D. C. Steam yacht design.	E gal. 36 529
595a. Cavanaugh Wrecking Co., Jersey City, N. J. Device for raising sunken vessels.	E gal. 44 535
596. Century Co., New York. Drawings of modes of transportation.	E gal. 34 536
597. Chase Elevator & Manton Windlass Co., Warren, R. I. Vessel equipment models.	D-12-22 532
598. Chesapeake & Ohio Steamship Co., Cincinnati. Models of iron steamships.	E gal. 33 529
599. Chicago Ship Bldg. Co., Chicago. Ship models and pictures.	E gal. 33 528
600. Clark, Edward S., Boston. Steam launches; engines; boilers; propeller wheels and power-plants, on launches in lagoons.	529
601. Coleman & Sons, Walter, Providence, R. I. Vessel and yacht blocks.	E gal. 42 528
Geo. B. Carpenter & Co., agents, Chicago.	
601a. Continental Iron Works, Brooklyn, N. Y. Corrugated furnace flues for marine boilers.	V-8-15 531
602. Coston Night Signals, New York. Marine night signals.	E gal. 39 534
602a. Daimler Motor Co., New York. Six horse power pleasure launch.	South lagoon 529
603. DeGrauw, Aymar & Co., New York. a Boat oars.	E gal. 30-31 532
b Bunting flags.	536
We manufacture oars of every description,	

## Vessels, Boats—Marine, Lake and River Transportation.

Exhibit No.	Class No.	Exhibit No.	Class No.
in the rough and finished, also with spoon blades. Factories at Toledo, O., and Montpelier, O. Also manufacturers of bunting flags of every description.		<b>618. Globe Iron Works Co., Cleveland, Ohio.</b>	
<b>604. Detroit Boat Works, Detroit, Mich.</b>		<i>a</i> Steamship model. D-12-22	529
<i>a</i> Models of boats. D-1-22	528	<i>b</i> Steam windlass and engine.	531
<i>b</i> Steam and electric launches.	529	Marine engines and boilers of all types.	
<i>c</i> Marine hardware.	532	The Globe patent steam steering engine.	
<i>d</i> Life boat and raft.	534	The Globe patent steam capstan-windlass.	
<b>605. Drein, Thos., &amp; Son, Wilmington, Del.</b>		The Globe reversible steam capstan; steam deck engines; cargo hoisting machinery; sectional and solid propeller wheels, ship castings and marine appliances.	
Life boats and raft. D-1-24	534	<b>619. Harcourt's, J. F., Son, Cincinnati.</b>	
<b>605a. Dresel, Rauschenberg &amp; Co., Baltimore.</b>		Tackle blocks. E gal. 42	532
Model of steamship "Delano."		Geo. B. Carpenter & Co., agents, Chicago.	
E gal. 31-32	529	<b>620. Harlan &amp; Hollingsworth Co., Wilmington, Del.</b>	
<b>606. Dunning, James, Bangor, Me.</b>		Vessel models and pictures. D-5-22-24	529
Model of bark "Gold Hunter." E gal. 35	528	<b>621. Harper &amp; Bros., New York.</b>	
<b>608. Electric Launch &amp; Navigation Co., New York.</b>		Transportation subjects illustrated.	
Electric launches (50). (In service on lagoons.)	529	E gal. 31	536
<b>609. Elmes, Chas. F., Chicago.</b>		<b>622. Hoboken Ferry Co., Hoboken, N. J.</b>	
Engines.		Model of a ferry-boat, and boat containing the original engine and boilers of the first twin screw steamboat ever built.	
Steam launch Chicago	529	E gal. 28	529
<b>611. Essex Institute &amp; Peabody Academy of Science, Salem, Mass.</b>		<b>623. Hogan, T., &amp; Sons, New York.</b>	
<i>a</i> Drawings of ships. E gal. 33	528	Ocean steamship model. E gal. 34-35	529
Water color paintings by Ross Turner from originals in collections of Essex Institute and Peabody Academy of Science, and originals loaned by the societies and individuals, showing Salem ships, from 1765 to 1898.		<b>624. Hunt &amp; Stowe, Old Town, Maine.</b>	
<i>b</i> Photos of exhibits, nautical instruments.	536	Birch and canvas canoes. E gal. 43	528
Photographs of transportation exhibit in Ethnological Department of Peabody Academy of Science, and of models and nautical instruments in historical cabinets of Essex Institute.		<b>625. Hussey, Geo. B., Providence, R. I.</b>	
<b>612. Farrin, G. H., Richmond, Me.</b>		Life rafts. E gal. 42	534
Model of ship "Ocean Wave." E gal. 35	528	<b>626. International Navigation Co., Philadelphia.</b>	
<b>613. Foster, Hickman E., Decatur, Ill.</b>		Full-sized section of steamers.	
Boat detaching apparatus. E gal. 46	528	D-9-23	529
<b>614. Gas Engine &amp; Power Co., New York.</b>		American line—New York for Southampton every Saturday. Philadelphia for Liverpool every Wednesday. Red Star line—New York for Antwerp every Wednesday. Philadelphia for Antwerp every other Wednesday. Offices: Chicago, New York and Philadelphia.	
Naphtha launches.		<b>627. Johnston, P. D., Chicago.</b>	
D-5-22-23 and on lagoon	529	Model of ocean steam yacht. Y-S. 4&5	529
<b>615. General Electric Company, New York.</b>		<b>628. Kahnweiler, David, New York.</b>	
<i>a</i> Electric motors, controllers, etc.; dynamos for marine work; electrical system for ships. (In service and in Electric Building.)	531	Life saving appliances. D-12-22	534
<i>b</i> System of signaling.	534	<b>629. Kane, Thos. &amp; Co. Chicago.</b>	
Our motors on World's Fair launches, marine hoists and entire equipment battle ship by General Electric Co. Complete electrical equipment for marine work.		D-5-24	
<b>616. Gerrish, E. H., Bangor, Maine.</b>		<i>a</i> Yachts, boats and canoes.	528
Can-vas canoes and boat. E gal. 35	528	<i>b</i> Steam and electro-vapor launches.	529
<b>617. Glass, Wm., &amp; Sons, Philadelphia.</b>		<i>c</i> Boat fittings.	532
Single scull shell. E gal. 32-33	528	Builders of electric launches carrying passengers on the lagoon at the World's Columbian Exposition. Largest boat builders in the United States. Anything in the boat line from a \$20 row boat to a \$10,000 launch. Manufacturers of the Racine oil burning marine outfits and Kane electro vapor engines, both for marine and stationary	

## Vessels, Boats—Marine, Lake and River Transportation.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
use. Works at Racine, Wis. Main office and warehouses, 137 and 139 Wabash Ave., Chicago, Ill.		646. New England Company, Bath, Me. Models of steamer "Sappho" and steam yacht "Sagamore."	E gal. 35 529
630. Kempton, Samuel, Chicago. Model of yacht.	E gal. 38 528	647. New Jersey, State of. Photographs of coast and transportation subjects.	F gal. 18-21 536
630a. Lambeth Cotton Rope Co., New Bedford, Mass. Cotton rope.	L-N-15&16 552	648. New York State, Albany, N. Y.	E gal. 86-99
631. Laughlin, Thomas, Company, Portland, Me.	E gal. 42	a Photos. of steamer yacht and tow on Erie Canal and Hudson River.	529
a Steerers, wheels; windlasses.	531	b Relief map of canal system of State, model of lengthened lock on Erie canal, model of original lock built at Little Falls, N. Y., in 1795, wall map showing water route from Dutchess to New York, photos. of aqueducts, etc.	530
Geo. B. Carpenter & Co., agents, Chicago.		649. Newport News Shipbuilding & Dry Dock Co., Newport News, Va.	
631a. Lawler, Thos. C., Prairie du Chien, Wis. Pile pontoon bridge model.	D-15&16 530	a Model of steamers.	E gal. 30 529
633. Link Belt Engineering Co., Philadelphia. Automatic discharge barrel elevator, continuous bucket coal elevator and continuous coal conveyor.	F-7 527	b Model of shipbuilding plant.	530
634. Loring, Giles, Yarmouth, Me. Model of bark "Onaway."	E gal. 35 528	650. New York & New Jersey Sandy Hook Pilots, New York. Model of pilot boat; pictures of phases of pilots' service at sea.	F gal. 26 528
635. Maine Board of World's Fair Managers. Gun of H. B. M. brig "Boxer," 1812. Flag of U. S. S. "Enterprise," 1812.	E gal. 25 536	651. Nicaragua Canal Construction Co., New York. Plan in relief of the Nicaragua Canal.	E gal. 44 530
636. McAdams, John, & Sons, Brooklyn, N. Y. Working models of marine brake.	E gal. 43 531	652. Nye, Rockland, Me. Model of ship "Young Mechanic."	E gal. 35 528
637. McBean, Edge & Co., Buffalo, N. Y. Vessel signal and anchor lights.	E gal. 42 534	653. Old Colony Steamboat Co., Boston. Steamer models.	D-6-21 529
Geo. B. Carpenter & Co., agents, Chicago.		654. Osgood & Co., Waldoboro, Me. Model of schooner "Gov. Ames."	E gal. 35 528
638. McDonald, John, Bath, Me. Model of ship "Henry B. Hyde."	E gal. 35 528	655. Pain, Jas., & Sons, New York. Pyrotechnics for ships' use.	E gal. 40 534
639. Meeker, Ellis, R., Chicago. Steam launches.	Lagoons and lake 529	Every description of fireworks for marine and R. R. purposes. Government contractors, also to the principal S. S. companies and railroads of the world. 102 William St., N. Y.	
640. Merrill, R., Sons, New York. Compasses and binnacles.	E gal. 42 531	656. Peabody, Henry G., Boston. Photographs of U. S. naval squadron and yachts.	E gal. 38 529
641. Metcalf, —, Damariscotta, Me. Models of ships "Ocean Herald," "Flying Scot" and "American Union."	E gal. 35 528	657. Porter, Joseph, Freeport, Me. Model of schooner "Dash" (privateer).	E gal. 35 528
642. Minott, C. V., Phippsburg, Me. Model of ship "St. Mary."	E gal. 35 528	658. Poulsen, N. C., Chicago. Paintings of vessels, etc.	E gal. 35 528
642a. Mississippi River Logging Co., West Newton, Minn. Model of steamboat "Juniata" towing raft of logs.	E gal. 40 529	659. Pratt & Letchworth, Buffalo, N. Y. Propeller wheels and marine castings.	O-S-1 531
643. Morse & Co., Bath, Me. Model of steamer "B. W. Morse" and barge "Independent."	E gal. 85 528	660. Providence & Stonington Steamship Co., New York. Models and pictures of steamboats.	E gal. 27 529
644. Meaney, John, Boston. Race boat equipment.	E gal. 46 532	Showing the progress made in Long Island Sound steamers, from the "Fulton," the	
645. Morris, B. N., Veazie, Maine.			
a Boats and canoes.	E gal. 41 528		
b Boat equipment.	532		

## Vessels, Boats—Marine, Lake and River Transportation.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
earliest, to the "Maine" and "New Hampshire," the latest built.		678b. Stryker M'fg Co., Stryker, Ohio. Oars and paddles.	E gal. 42 533
661. Rice & Whitacre M'fg Co., Chicago. Engine.	Launch Atlantic 529	Geo. B. Carpenter & Co., agents, Chicago.	
662. Richards, David, Chicago. Sailing model of seagoing racing yacht.	E gal. 26 528	679. Summers, Jas. C., New York. Yacht record book, lithographed yacht flags.	E gal. 27 536
663. Richardson, Chas. N., Gloucester, Mass. Steerers.	E gal. 43 531	680. Sunden, Jno., Menashaunee, Wis. Miniature full-rigged vessel.	E gal. 26 528
663a. Ritchie, E. S., & Son, Brookline, Mass. Compasses and binnacles.	E gal. 42 531	Hand-made material used, wood and bone.	
Geo. B. Carpenter & Co., agents, Chicago.		681. Taylor Improved Draught Co., Newark, N. J. Steamship smoke-stack with artificial draught.	532
664. Rogers, William, Bath, Me. Model of ship "Gov. Robie."	E gal. 35 528	682. Tisdell, W. P., Peru, S. A. Balsa from Lake Titicaca, Peru, and 2 canoes from Colon. Collected for the Exposition.	E gal. 30 526
665. Rooke, George, Emporia, Kansas. Working steam models of boats without bows.	E gal. 46 529	683. Truscott Boat Manufacturing Co., St. Joseph, Mich.	
666. Rushton, J. H., Canton, N. Y.	E gal. 31-32	a Sail and row boats. D-13-21	528
a Row and sail boats; canoes.	528	b Launches.	529
b Fittings for small boats.	532	684. Tucker, R. H., Wiscasset, Maine.	
Sailing canoes, Saranac boats, combination row and sail boats, cruisers, sails, canoe jewelry, etc. Established in 1874.		a Models of vessels.	E gal. 45 529
667. Safety Car Heating & Lighting Co., New York. Gas-lighted marine buoys.	J-3 534	b Models of barges.	530
668. Sewall, A., & Co., Bath, Me. Model of ship "Rappahannock."	E gal. 36 528	685. Turner, J. Spencer, New York. Ontario cotton sail duck.	E gal. 42 532
668a. Sewall & Day Cordage Co., Boston. Cordage.	E gal. 42-32 532	Geo. B. Carpenter & Co., agents, Chicago.	
Geo. B. Carpenter & Co., agents, Chicago.		686. Union Iron Works, San Francisco. Model of works and ship yard.	E gal. 44-46 530
669. Sheild, F. W., Hampton, Va. Gang plank.	E gal. 34 531	690. Wellman Iron & Steel Co., Thurlow, Pa. Ship plates.	N-N-1 532
671. Sintz Gas Engine Co., Grand Rapids, Mich. Marine gasoline engine.	D-15-24 529	691. White, H. W., Yanktown, S. Dak. Propeller for water craft.	E gal. 45 531
672. Skolfield Bros., Brunswick, Me. Model of ship "Sam'l Skolfield."	E gal. 35 528	692. Wilcox, Crittenden & Co., Middletown, Conn. Marine hardware.	E gal. 42 532
673. Smith & Stanton, New York. Drawings of steam vessels.	E gal. 30 529	Geo. B. Carpenter & Co., agents, Chicago.	
674. Soule, Horace, Freeport, Me. Models of ships "Suliotte" and "Tam O'Shanter."	E gal. 35 528	694. Williams, Chas. K., & Co., Easton, Pa. Ship anchors.	D-15-24 532
676. State Historical Society of Wisconsin, Madison, Wis. Old bateau used by early French traders from Quebec in their trips to the West for buying furs from the Indians.	E gal. 35 536	695. Williamson Bros., Philadelphia. Steering and hoisting engines.	D-12-24 531
677. Stewart & Binney, Boston.		696. Woolfolk, Alex. M., Chicago. Canal excavator. (West wall, Annex.)	503
a Sail boat models.	E gal. 36-38 528	697. World's Columbian Exposition. Series of twelve pastels illustrating ships of the American merchant marine from 1792 to the present time.	E gal. 34 536
b Steam yacht models.	529	697a. World's Columbian Exposition. "Daghsa," a characteristic boat from Malta.	D-12 528
678. Stratford, Geo., Oakum Co., Jersey City, N. J. Oakum.	E gal. 46 532	697b. World's Columbian Exposition. Australian native bark canoe, from Lake Tyere. Collected by George H. Wallace, Esq., U. S. Consul, Melbourne, Australia. Also photographs showing use of canoe by natives.	E gal. 41 528
678a. Straus, Samuel, Belleville, Ill. Model of "Santa Maria."	E gal. 26 528	697c. World's Columbian Exposition. Replica of toy boat found in ancient	

## Naval Warfare and Coast Defense.

Exhibit No.	Class'n No.
698. Etruscan tomb. Original in Royal Egyptian Museum, Florence, Italy.	
T gal. 12-13	586

**GROUP 86.**

## Naval Warfare and Coast Defense.

698. American Publishing Co., Hartford, Conn. Water color paintings of war vessels, U. S. Navy.	E gal. 33	537
699. Bethlehem Iron Co., South Bethlehem, Pa. Armor, guns and forgings, ingots, torpedo.	K-N, L-8-7	542
1st experimental 11 1/2 in. steel plate, 1891.		
Gun jacket, 13 in., B. L. Rifle, smooth forged, wt., 56,800 lbs. Tube for same, wt., 59,000 lbs.		
12 in., B. L. Rifle, Navy, wt., 124,000 lbs. 54 in. fluid compres'd ingot, wt., 110,000 lbs. Whitehead Torpedo Air-Flask. Open hearth and Bessemer billets, rails, rail sections, test bars.		
700. Dudley, Dana, Lynn, Mass. Pneumatic dynamite gun.	D-15-28	542
Dynamite guns, firing aerial torpedoes.		
701. General Electric Co., New York. Recovered projector U. S. ship Trenton.		538
First man of war electrically lighted. Our system used.		
702. Hotchkiss Ordnance Co., Providence, R. I. Implements of war and defense.	J-1	542
703. Tyrrell, S. Rapid firing yacht gun.	E. gal. 26	542
704. Winchester Repeating Arms Co., New Haven, Conn. Naval small arms and cartridges; cannon ammunition.		
Dept. H, Sec. Q-3 Sov.		542
Small arms (repeaters and single-loaders) for		

Exhibit No.	Class'n No.
naval use. Metallic cartridge cases and complete ammunition for high-power, rapid-firing cannon. Armor-piercing projectiles. Percussion fuzes. Percussion primers for cannon cartridges. Awarded grand prize at Paris Exposition, 1889.	

## Exhibits Classified in other Departments but Installed in this.

**DEPARTMENT J.****GROUP 127.**

## Electric Motors.

705. Baxter Electric Motor Co., Baltimore.	
Electric motor.	773
706. Smith Pneumatic Transfer & Storage Co., Chicago. Electric motors.	772

**GROUP 128.**

## Application of Electric Motors.

707. Crane Elevator Co., Chicago. Electric passenger elevator and power pump.	776
708. Goulds Manufacturing Co., Seneca Falls, N. Y. Electric pump.	776
709. Otis Bros. & Co., New York. Electric pumps.	776

**GROUP 123.**

## Electric Telegraph and Electric Signals.

710. Rowell Potter Safety Stop Co. Block signal apparatus, safety signals.	
Dept. G	769

**ALASKA.**

Collected for the Exposition by Lieut. G. V. Emmons, U. S. N., and Rudolph Neumann, Unalaska, Alaska.

## LOCATION—E Gal. 27.

**GROUP 83.**

Exhibit No.	Class'n No.
1. Dog sled, harness and outfit complete, Yukon river.	517
2. Sea coast dog-sled and outfit complete.	517
3. Hunting sled from Morton sound.	517
4. Toboggan sled, from Upper Yukon river.	517
<b>GROUP 85.</b>	
5. Red cedar Haida (war canoe).	539

Exhibit No.	Class'n No.
6. Thingit canoe from Sitka.	528
7. Hatch Bidarka (skin canoe) and accessories from Aleutian islands.	528
8. Bidarka and outfit, paddles, etc., from Morton sound.	528
9. Birch bark canoe from Morton sound.	528
10. Double birch bark canoe from Upper Yukon river.	528

## AFRICA.

## LOCATION—F Gal.

## Vehicles, Vessels, Boats—Marine, Lake and River Transportation.

## GROUP 83.

Exhibit No.	Class'n No.
1. Bannister, Edward, U. S. Consul. Maxilla or palanquin, as used in African travel. From St. Paul de Loanda.	518
2. French-Sheldon, Mrs. M., London, Eng. Madagascar palanquin and palanquin, tent, etc., used by Mrs. Sheldon on her African expedition in 1891.	518

## GROUP 85.

Exhibit No.	Class'n No.
3. Bannister, Edward, U. S. Consul. Bimba or log canoe, with photograph showing its use by natives and Donga or dugout canoe from St. Paul de Loanda.	528

## AUSTRIA.

## LOCATION—D, 2-10 and Annex I and K.

## Railways, Vehicles and Marine Transportation.

## GROUP 80.

Exhibit No.	Class'n No.
1. Austrian State railroads; Emperor Ferdinand's Northern railroad; Austro-Hungarian State railroad; Southern railroad; Austrian Northwestern railroad. Tracings, photographs, etc., of railway structures and equipment; graphic and statistical drawings, etc.	499
1a. Danner, Charles, Vienna. Controlling apparatus for railways, steamers, etc.	500
1b. Ringhoffer, F., Smichow, near Prag. Photos of passenger and freight cars. Established in 1771. Manufactures: Passenger and freight cars, tenders, railway equipment, steam engines, ice machines, boilers, plants for breweries, distilleries, saw mills and water works; copper ware of all kinds. Correspondence solicited from all parts of the world.	499
1c. Skoda, E., Pilsen, Bohemia. Locomotive wheels and other parts.	500
1d. German-Austrian Mannesmann Tube Co., Berlin, Department Komotau. Seamless damaskened Mannesmann tubes for guns, bicycles, boilers and pipe lines.	

## GROUP 83.

Exhibit No.	Class'n No.
2. Armbruster, S., Vienna. Pleasure carriages.	515
2a. Association for the Promotion of Travel, Prague. Views of Prague, etc.	
3. Broziks, John W., Pilsen (Bohemia). Pleasure carriages.	515
3a. Grieszelich, E. L., Vienna. Graphic representation and memoir regarding travel to capital cities.	
3b. Innsbruck Association. Panorama of Tyrol, showing methods of mountain travel.	D-10
4. Leckel, Hans, Vienna. Patented saddle.	523
5. Lohner, Jacob, & Co., Vienna. Pleasure carriages.	515
6. Oesterreicher, Jos. St. Prague. Railway car and coach trimmings.	523

## GROUP 85.

7. Silas, Ferdinand, Vienna. Marine maps.	536
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# ARGENTINE REPUBLIC.

LOCATION-R. GAL. 42.

## Naval Warfare and Coast Defense.

### GROUP 86.

Exhibit No.	Class'n No.
1. Naval Museum.	
a Sternpost of vessel Marañona, which under the command of Capt. Alonso	

Exhibit No.	Class'n No.
de Cabrera went to Rio de la Plata in April, 1538.	540
b Lombard, or gun of the sixteenth century.	542

# BELGIUM.

By special permission this exhibit is installed in Machinery Hall,

## Railways, Vehicles and Marine Transportation.

### GROUP 80.

Exhibit No.	Class'n No.
1. Henricot, Emile, Court-Saint-Etienne. Under-boxes and axle-boxes used on railways.	500
2. Legrand, Achille, Mons.	
a Portable single rail tracks, tramway line, crossings, turn-tables, metallic sleepers.	499
b Rolling stock.	500
3. Luyers, Charles, & Co., Brussels. Railway brake.	500
4. Mabille, Valere, Mariemont. Buffers, draw-bars, screw-couplings, axles, wheels, springs, forgings and safety chains and valves for locomotives, etc.	500
5. Petitjean, Joseph, Renory-Angleur. Wooden and metallic sleepers, with clamps and rails, bolt and nut.	499
6. Societe anonyme de Caume & Marpent, Haine-Saint-Pierre. Wheels and axles.	500
7. Westerlain, Jules, Malines. Small railway, and car coupler.	500

### GROUP 83.

Exhibit No.	Class'n No.
8. Baudewyns, Alph, Ixelles-Brussels. Samples of carriage painting.	522
9. Legrand, Achille, Mons.	
a Tipping wagons, trucks and sugar cane wagons.	510
b Mining and timber wagons.	511
10. Westerlain, Jules, Malines. Wagon provided with automatic grappling apparatus.	511

### GROUP 85.

11. Lindebriengs-Cuyx, Hubert, Louvain. Leather cable, ropes and cordage.	532
12. Mabille, Valere, Mariemont. Anchor chains, forgings, etc.	532
13. Vermeire-Hellebaut, F., Hamme near Termonde. Rope of various kinds, ship's rigging.	532
14. Vermeire Marcel, Hamme near Termonde. Ropes of various sizes and kinds, ship's rigging.	532

## BRAZIL.

## LOCATION C-8.

## Railways, Vehicles, Vessels and Marine Transportation, Coast Defense.

## GROUP 80.

Exhibit No.	Class'n No.
1. Baturite Railway, Ceara. Appliances, maps and photographs.	500
2. Central Railway, Rio de Janeiro. Truck, appliances, models, maps and photographs.	500
3. Parana, Bahia, Leopoldina, Bago, Mogyana, Sorocabana and Ituana Railways. Maps and photographs.	500
4. Paulista Railway, S. Paulo. Model of locomotive and passenger car.	500

## GROUP 81.

5. Carris Urbanos Co., Rio de Janeiro. Tramway horsecar for passenger and road express; wagon for transporting coffee.	506
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## GROUP 82.

6. Corcovado Mountain Railway, Rio de Janeiro. Photographs.	508
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## GROUP 83.

7. Cunha, J. R. Jr. First tricycle made at Brazil.	520
8. Faulhaber, F., Petropolis. Hand-barrows and wheel-barrows.	509
9. Liberali, Z., Rio de Janeiro. Ancient state carriage of Don Pedro, the first Emperor of Brazil.	515

## GROUP 85.

10. Ceara Commission. Models of rafts (jangalas) and model of canoe carved from one timber.	528
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Exhibit No.	Class'n No.
11. Empreza I. Melhoramentos, D. Pedro 2d. Docks—model of pontoons for landing and transporting railway cars, photographs of dock yards, piers and bridges at Rio de Janeiro.	530
12. Lyra, F. G. P., Pernambuco. Model of engine showing improvement in utilizing power.	531
13. Para Commission. Native canoe carved from one timber 52 feet long.	520
14. Rio de Janeiro Navy Yard.	
a Drawings of dry docks, photographs of the entrance to the harbor and city of Rio de Janeiro and model of the main machine at the navy yard.	530
b Models of engines constructed for Brazilian men-of-war.	531
c Collection of samples of Brazilian woods and timbers for naval construction and models of blocks and tackles manufactured at the navy yard.	532

## GROUP 86.

15. Pernambuco Navy Yard. Model of sailing vessel built for training naval school boys.	541
16. Rio de Janeiro Navy Yard.	
a Model of protected cruiser "A. Tamandare."	537
b Model of wooden cruiser "A. Barroso" and of men-of-war and boats built at the Brazilian navy yard; photographs of Brazilian men-of-war and torpedo boats.	538
c Model of machine guns as constructed at naval ordnance department and of primers, fuses and signal lights as used for the Brazilian navy.	542

## BRITISH GUIANA.

LOCATION—E Gal. 42.

Vessels, Boats—Marine, Lake and River Transportation.

## GROUP 85.

Exhibit No.	Class'n No.
1. British Guiana Commission. Two corials or dug-outs from Demerara River; two bark canoes.	528

Exhibit No.	Class'n No.
2. British Guiana Commission. "Corials" or "Dug outs;" or woodskin bark canoes.	Dept. A 528

## BURMAH.

Vehicles, Vessels, Boats—Marine, Lake and River Transportation.

## GROUP 83.

Exhibit No.	Class'n No.
1. Models of bullock carts.	E gal. 26 516

## GROUP 85.

Exhibit No.	Class'n No.
2. Models of water craft, state barge, etc.	E gal. 26 528

## CAPE COLONY.

Vessels, Boats—Marine, Lake and River Transportation.

## GROUP 85.

Exhibit No.	Class'n No.
1. Plan of East London Harbor, South Africa.	534
2. Plan of Harbor and Anchorage, Port Elizabeth.	534

Exhibit No.	Class'n No.
3. Plan of Coast Line from Camtoos River to Kowie Point.	534
4. Plan Table Bay Harbor Works.	534
5. Photographs.	534

## CANADA.

LOCATION—C, 2-4-6-8 and 11, V-N-1-13 in Annex.

Railways, Street Car Systems, Miscellaneous Vehicles.

## GROUP 80.

- | Exhibit No.  |   | Class'n No. |
|--|---|-------------|
| 1.   | Andrews, Jno. S., Milltown, N. B. Car coupler.  | 500         |
| 2.   | Canadian Pacific Ry. Co., Montreal.<br>a Photos and maps.   | 499         |
| Scenery on line displayed on frieze and center of gallery bridge. Mt. Stephen (2), Hermit Range, Mt. Begbie, Castle Mountain, Lake Louise (2), Bow Valley, Three Sisters, Ross Peak, Mt. Baker, Cattle Ranch, Farm Scene Manitoba, Banff; two framed maps Canadian Pacific route "Around the World." |   |             |
|  | b Locomotive and train of cars.   | 500         |
| Their standard passenger train. (A ten-wheeled locomotive, baggage car, second-class sleeper, first-class coach, dining car and a first-class sleeper.)  |   |             |
| 3.   | Davis S., Montreal. Safety car truck.   | 500         |
| 4.   | Gray, Andrew G., St. John, N. B.<br>Door for box car.   | 500         |
| 6.   | Heard, Thomas, St. Thomas, Ont.<br>Car coupler.   | 500         |
| 7.   | Hopkins, N. J., Owen Sound. Model of car coupler.   | 500         |
| 9.   | Montreal Car Wheel Co., Montreal.<br>Chilled car wheels.  | 500         |
| 10.  | Piper, Noah L., & Son, Toronto.<br>a Headlight.   | 500         |
|  | b Semaphores, gates, lamps, etc.  | 501         |
| 11.  | Public Works Department, Ottawa.<br>Maps, tables and photos of railroad lines, bridges, tunnels, etc. | 499         |
| 12.  | Quebec & Lake St. John Railway, Quebec. Photos and maps.  | 499         |
| 14.  | St. Thomas Car Wheel Co., St. Thomas, Ont. Car wheels and axles.                                      | 500         |
| "Machined" chilled iron car wheels. Variety of diameters and weights for steam, electric, cable and horse railway service. Mine-car wheels and other finished chilled iron products. Special machinery for treating wheels mentioned.  |   |             |

## GROUP 81.

- |     |   |     |
|-----|---|-----|
| 16. | Montreal Car Wheel Co., Montreal.<br>Wheels for tramways. | 506 |
|-----|---|-----|

Exhibit No.

Class'n No.

- |     |   |     |
|-----|---|-----|
| 17. | Rochester, E., Ottawa. Electric car fender. | 505 |
|-----|---|-----|

## GROUP 82.

- |     |   |     |
|-----|---|-----|
| 18. | Chignecto Ship Railway, Amherst, N. S. Model of ship railway. | 508 |
|-----|---|-----|

## GROUP 83.

- |      |   |     |
|------|---|-----|
| 21.  | Adams & Sons, Paris, Ont. Farm wagons.  | 510 |
| 22.  | Armstrong, J. B., Mfg. Co., Guelph, Ont. Carriage gear and springs.                   | 522 |
| 23.  | Berry, A., Warden, Quebec. Sleigh.  | 517 |
| 24.  | Bonnar, Wm., Albion, Ont. Buggy.  | 516 |
| 26.  | Burns J., & Son, Toronto, Ont. Sleigh.  | 517 |
| 27.  | Chatham Mfg. Co., Chatham, Ont. Wagons.   | 510 |
| 28.  | Dansareau, P., Montreal. Carriage axles.  | 522 |
| 28a. | Digeon, J. Henri, Paris. Picture representing a wagon for dynamometrical experiments. | 511 |
| 28b. | Gennings, A., Montreal. Wagon.  | 510 |
| 29.  | Goold Bicycle Co., Brantford, Ont. Bicycles.  | 520 |
| 30.  | Hutchings & Riley, Calgary, N.W. T. Cowboy outfit.                                    | 523 |
| 32.  | McKinnon Dash and Hardware Co., St. Catharines, Ont. Carriage hardware.               | 522 |
| 34.  | Masseoro, Louis, Montreal. Phaeton.   | 516 |
| 34a. | Quebec & Lake St. John Railway, Quebec. Toboggans and snow shoes.                     | 517 |
| 35.  | Rancour, Alexis, Quebec. Gig.   | 516 |
| 36.  | Robinson, G. W., Kingston, Ont.<br>a Carts.   | 510 |
|      | b Sleighs.  | 517 |
| 38.  | Verret & Co., Quebec.<br>a Carriage.  | 513 |
|      | b Sleighs.  | 517 |

## Vessels, Boats—Marine, Lake and River Transportation.

## GROUP 85.

Exhibit No.	Class'n No.
40. Baker, L. E., Yarmouth, N. S. Models of ships.	528
40a. Board of Harbor Commissioners, Montreal. Maps and drawings of Montreal Harbor.	534
41. Beckley, Wm. H., Guysboro, N. S. Model of toy steamboat.	529
42. Canadian Pacific Ry., Montreal. Models of steamships.	529
Models of their transpacific steamships, Empress of Japan, Empress of India, Empress of China, plying between Vancouver, Victoria and Yokohama, Shanghai, Hong Kong.	
44. Dept. Public Works, Ottawa. Models of locks and canals.	530
45. Douglas, C. H., Lakefield, Ont. Model of folding boat.	528
46. English, Wm., Canoe Co., Peterboro, Ont. Canoes.	528
47. Harlow, Stephen, Lockport, N. S. Models of fishing schooners.	528
49. Herald Bros., Gore's Landing, Ont. Canoes.	528
50. Moffat, Geo. B., North Sidney, C. B. Model of vessel.	528
51. Montreal Canoe & Boat Co., Montreal. Canoes and boats.	528
52. Moseley, Eben, Dartmouth, N. S. Models of ships, yachts and barges.	528
53. Moseley, Henry, Dartmouth, N. S. Boats and models.	528
53a. Quebec & Lake St. John Railway, Quebec. Canoes.	528
54. Strickland & Co., Lakefield, Ont. Canoes and boats.	528

Exhibits Classified in Other Departments but Installed in this.

## DEPARTMENT A.

## GROUP 1.

Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.
55. Quebec & Lake St. John Railway, Quebec. Grains.	1-5

## DEPARTMENT C.

## GROUP 36.

Wild Animals.

56. Quebec & Lake St. John Railway, Quebec. Moose heads.	236
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## DEPARTMENT D.

## GROUP 87.

Fish and Other Forms of Aquatic Life.

57. Quebec & Lake St. John Railway, Quebec. Stuffed fish.	247
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## DEPARTMENT H.

## GROUP 105.

Furs and Fur Clothing.

58. Quebec & Lake St. John Railway, Quebec. Skins.	660
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## CEYLON.

LOCATION—B Gal. 17-19.

## Vehicles, Naval Warfare and Coast Defense.

## GROUP 83.

Exhibit No.	Class'n No.
1. Ceylon Commission. Bullock carts and models.	510

## GROUP 85.

2. Ceylon Commission. Kattamaran. Padda boat with net, rowing and fishing	
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Exhibit No.	Class'n No.
boats and canoes; models of canoes and jaffna ballam.	528

## GROUP 86.

3. Ceylon Commission. Models of the sultan of the Maltheise ships.	539
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## CHINA.

Collected for the Exposition by Edward Bedloe, U. S. Consul, Amoy, China.

Vehicles, Vessels, Boats, Naval Warfare and Coast Defense.

GROUP 83.		
Exhibit No.		Class'n No.
1. Chinese passenger wheelbarrow.		
	C-5	509
2. Models of mandarin chair, etc.		
	E gal.	518
3. Photographs illustrating various methods of transportation.	C-5	509-521

GROUP 85.		
Exhibit No.		Class'n No.
4. Full rigged models of a great variety of Chinese water craft.	E gal. 33	528

GROUP 86.		
5. Models of war boats, etc.	E gal. 33	539

## FRANCE.

LOCATION—D, 3-7-11-14-17-18. Sec. M-S&L-N-1-3. Sec. C, SW gal. 26-43.

Railway Plant and Equipment.

GROUP 80.		
Exhibit No.		Class'n No.
1. Carel Freres et Cie, Mans (Maine-et-Loire). Railway carriage, etc.		500
2. Compagnie des Chemins de fer de Paris a Lyon et a la Mediterranee, Paris. Drawings of locomotives.		500
3. Compagnie des Chemins de fer de l'Ouest, Paris.		
a Plan in relief of Saint-Lazare station and terminus hotel.		499
b Models and drawings of locomotives.		500
4. Compagnie de Fives-Lille pour constructions mecaniques et entreprises, Paris.		
a French State standard locomotive.		500
b Brake apparatus. Photographs.		500

5. Compagnie du Chemin de fer du Nord, Paris.		
a Photographs, plan of the station, maps of the line.		499
b High speed compound locomotive.		500
6. Compagnie du Chemin de fer du Midi et du canal lateral de la Garonne, Paris.		
a Drawings of the station of Bordeaux.		499
b Drawings of the railway equipment.		500
7. Couland Noel, et Cie, Paris. Safety notch-lock with indicator, for the doors of cars.		500
8. Digeon, J. Henri, Paris. Picture of car for dynamometrical experiments.		500
8a. Durozoi, P. M., Paris. Metallic tubes for continuous brakes, etc.		500
9. Feraud Alphonse-Lucien, Paris. Slip springs for cars.		500

## Railways, Vehicles, Aerial and Marine Transportation.

Exhibit No.	Class'n No.
10. Gruson, D. Louis, Calais (Pas-de-Calais). Model of automatic self-acting coupling for railway cars.	500
11. Henard, Eugene, Paris. Drawing of continuous trains.	500
12. Mallet, Anatole, Paris. Drawing and photographs of compound locomotives.	500
13. Parent, Louis, Paris. High-speed locomotive.	500
14. Pellat, J. S., Henri, Paris. Indicator and signal system.	501
15. Raffard, N. Jules, Paris. Drawings of tram-car locomotive.	500
16. Schneider et Cie, Paris. Part of a locomotive.	500
17. Societe Anonyme Franco-Belge pour la construction de machines et de material de chemins de fer, Paris. Two locomotive tenders.	500
18. Societe Anonyme Industrielle des Etablissements Arbel, Rive de Gier. Axles and wheels for locomotives, forged pieces.	500
Forged wrought iron R. R. wheels. Guaranty 300,000 miles. General office 80 University Street, Paris. P. Arbel, Prest., will be at exhibit every day from 11 to 12 A. M.	
19. Societe des Freins Soulerin, Paris. Pneumatic brakes.	500

## GROUP 88.

20. Anthoni, Ch. G., Neuilly. Carriage wheels, isolaters, etc.	522
21. Bail, Pozzi et Cie, Paris. Springs, axles, etc.	522
22. Camille Jeune, Alphonse, Paris. Saddles, bridles and harness.	523
23. Clement, Adolphe, Paris. Bicycles, bicyclettes, etc.	520
24. Compagnie Generale des Voitures a Paris, Paris. Models of hackney coaches.	514
27. Dupont, L. Charles, Paris. Journal. Framed plates.	515
28. Fortin, Eugene C., Clermont. Saddle and saddle cloths.	523
29. Gall, F. J., Paris. Carriage trimmings.	522
30. Guillemet, Lyon (Rhône).	
a Carriages.	515
b Oil boxes, etc.	523
31. Guet et Cie, Paris.	
a Carriages.	515
b Harnesses.	523
32. Hirtu, Hautin et Diligeon, Paris. Bicyclettes.	520

Exhibit No.	Class'n No.
33. La Carrosserie Industrielle, Paris. Carriages.	516
34. Laporte, Valentin, Vic-en-Bigorre (Hautes-Pyrenees). Carriage hood.	522
35. Laurent-Colas, Bogny-sur-Meuse (Ardennes). Chain-bits, bridles, etc.	523
36. Lemaitre, Albert, Alencon (Orne). Carriages.	516
37. Lemoine, Paris. Springs, axles and hardware for carriages.	522
38. Muhlbacher, L. G., Paris. Carriages.	516
38a. Picard, R., & Co., Paris. Metre controller.	518
38b. Rabaurdin, Henry, Paris. Fittings for stables, saddle rooms, cattle sheds, kennels, etc.	523
39. Ragoucy, J., Paris. Bicycles.	520
40. Renault, Albert, Paris.	
a Drays and farm wagons.	510
b Freight and express wagons, etc.	511
41. Thiriet, H. G., Rancourt (Ardennes). Saddlery and military equipment.	523
41a. Villedieu a Crepon, M. Georges, Calvados. Sedan chair, time of Louis XV.	521

## GROUP 84.

42. Chouanard, Emile, Paris. Coin gath- erer.	525
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## GROUP 85.

43. Barbier, F., et Cie, Paris. Light-house apparatus.	534
44. Bordes, Henri, et Cie, Bordeaux. Model of the steamer Chateauquem.	529
45. Compagnie des Chemins de fer de l'Ouest, Paris. Model of packet boat and state cabin.	528
46. Compagnie du Chemin de fer du Nord, Paris. Plan in relief of the Port of Calais.	534
47. Compagnie Generale Transatlantique, Paris.	
a Models of packet-boats, etc.	528
b Diorama of ports, interior of vessels, etc.	536
48. Farcot, E., fils, Paris. Plans, drawings and model of screw propeller.	529
49. Galibert, Albert, Paris. Buoys and cork-jackets.	534
50. Schneider et Cie, Creusot (Saone-et-Loire). Models of marine machinery.	531

Dept. F

## Naval Warfare and Coast Defense.

## GROUP 86.

Exhibit No.	Class'n No.
51. Schneider et Cie, Creusot (Saone-et-Loire).	
a Model of torpedo-boat.	538
b Appliances for naval warfare.	
Dept. F	542

## GERMANY.

LOCATION—Sec. E Main Bldg.; Secs. F, G, 9 and one-half of H in Annex, from 1 to 20; Secs. F, D and C in Gal.

## Railways, Railway Plant and Equipment.

## GROUP 80.

Exhibit No.	Class'n No.
1. Breslauer Aktiengesellschaft fuer Eisenbahn Wagenbau, Breslau. Passenger railway car.	500
2. Daimler Motorengesellschaft, Cannstatt. Motor cars, electric light wagon and fire engine.	500
3. General Direktion der Grossherzoglich Badischen Staatseisenbahnen Karlsruhe. The drawings of the "Hoellen Thal" railroad, tooth racks, locomotives and cars.	500
3a. George-Marien-Bergwerks und Hutten, Verein, Osnabruck. Historical collection of pieces of railway track, showing the development of track construction from the beginning of practical railroad ing up to the present time.	500
Coal and ore mines, iron and steel works, cement and fire brick factories, etc. Haarmann-Museum of permanent way (railway track). Railroad tracks a specialty.	
4. Heyn, J., Stettin. Drawing; automatic safety valve, etc.	500
5. Henschel & Sohn, Cassel. Locomotive.	500
5a. Juedel, Max & Co., Braunschweig. Model of a train entrance for depots.	499
6. Krupp, Friedrich, Essen. Car wheels, etc.	Krupp Pavillon 500
6a. Krupp, Fried, "Grusonwerk," Magdeburg, Buckau. Car wheels, crossing, etc.	Dept. F 500
7. Hausschaefer, Hugo, Dresden. Speed register for locomotives.	501
8. Lueders, Heinrich, Braunschweig. Automatic contrivance for railroad signals and switches.	501
9. Maschinenbau Aktiengesellschaft Nuremberg vorm Klett & Co., Nuremberg.	
a Album of photos of constructions.	499
b Model of train.	500
10. Mueller, Edmund & Mann, Charlottenburg near Berlin. "Mannocitin," a preventive against rust.	499
11. Phoenix Aktiengesellschaft fuer Bergbau und Huetttenbetrieb, Laar. Street railway rails.	499
Sole selling agents, Dick Keer & Co., Ltd. 101 Leadenhall Street, London, England.	
12. Redaktion des Archivs fuer Eisenbahnenwesen, Berlin. Railway literature.	503
13. Reichseisenbahnamt, Berlin. Statistics and publications.	503
14. Royal Prussian State Railway Management, Berlin.	
a Models, photographs of railroad plants, etc.	499
b Operating system.	501
15. Schichau, F., Elbing. Locomotive and tender.	500

## Railways, Street Cars, Miscellaneous Vehicles, Vessels, Boats, Etc.

Exhibit No.	Class'n No.
16. Siemens & Halske, Berlin.	Safety
apparatus for railway systems.	501
17. Union Aktiengesellschaft fuer Bergbau, Eisen und Stahlindustrie, Dortmund.	
Constructions of iron and steel.	499
18. Wepfer, Gustav, Wasseraeltingen.	
New system of rails.	499
20. Zypen von der & Charlier, Cologne-Deutz.	
Passenger railway coach; iron coal car; flat car.	500
Manufacturers of freight and passenger cars of all kinds to fit any gauge; adapted to all climates. Also tramway, street and electric cars, steam and hand cranes. Transfer and turntables by hand or steam. Correspondence solicited from all parts of the world. Estimates furnished.	

## GROUP 81.

21. Bleichert, Ad. & Co., Leipsic.	Plans and photos of cable railroad plants.	504
22. Hoerder Bergwerks und Huettten Verein, Hoerde.	Street railway plants.	506
23. Pohlig, J., Cologne.	Cable aerial wire rope way.	504
24. Siemens & Halske, Berlin.	Electric street car.	505

## GROUP 82.

25. Breymann & Huebener, Hamburg.	Models of transportable railroads, rails, switches, turn-tables, etc.	508
26. Halberstadt-Blankenburg Eisenbahngesellschaft, Blankenburg.	Cogged railway of the "Hartz" mountains.	508
27. Rettig Bros., Munich.	Drawings and pamphlets of an inclined railway.	508

## GROUP 83.

28. Aichinger, Gottlieb, Bayreuth.	Landaau.	515
29. Daimler Motorengesellschaft, Cannstadt.	Wagonettes.	512
29a. Deutsch - Oesterreichische Mannesmann-Rohr Werke, Berlin.		
a Steel tubes for bicycles.		520
b Steel hollow axles, hubs, poles, whiffletrees, etc., for military and other wagons.		522
30. Dick & Kirschten, Offenbach-on-the-Main.		
a Carriages.		515
b Appurtenances.		522
31. Eisenwerke Gaggenau, Gaggenau.	Bicycles with appurtenances.	520
32. Frankenburger & Attenstein, Nuremberg.		
a Bicycles.		520
b Invalids' rolling chairs.		521

Exhibit No.	Class'n No.
33. Kleyer, Heinrich, Frankfurt-on-the-Main. Bicycles and appurtenances.	520
34. Knoch, H., Egeln. Carriages.	515
35. Kunath, H., Dresden. Axles.	522
36. Opel, Adam, Ruesselheim. Bicycles.	520
36a. Opel, Adam, Ruesselheim near Frankfurt on the Main, Germany. Bicycles, etc.	520
Founded 1862. 750 workmen, yearly production 9,000 cycles and 30,000 sewing machines. 56 championships won on Opel cycles.	
37. Westendarp & Pieper, Hamburg. Automatic tariff indicator for cabs.	518

## GROUP 84.

38. Cosmos Verlags und Verkehrsanstalt, Berlin-und Continental Kautschuk und Guttapercha Co., Hanover.	Captive balloon.	526
38a. Deutsch-Oesterreichische Mannesmann-Rohr Werke, Berlin.	High-pressure pipe lines for oil, gas, water or pneumatic transmission.	524
39. Wolf, Gustav, Leipsic.	Letter-box automaton.	524

## GROUP 85.

40. Blohm & Voss, Hamburg.	Three ship models.	528
41. Breyer, Joh. F., Hamburg.	Model of a water velocipede.	529
42. Daimler, Motorengesellschaft, Cannstadt.	Ten horse power motor race boat. On South Lagoon.	529
43. Dreymann, Otto, Hanover-Linden.	Automatic swimming vest and life preserver.	534
44. Duesseldorf, Ratinger Roehrenkessel-fabrik, vorm Duerr & Co., Ratingen.	Tubular ship boiler.	531
45. Fabian, Robert, Breslau.	Pleasure, sport and work boats.	528
45a. Germania Schiff und Maschinenbau Aktiengesellschaft, Berlin.	Dredging machine.	530
46. Hamburg-American Packet Co., Hamburg.	Four large models of express steamers.	529
47. Holtz, R., Harburg.	Boilers and machines for steam and motor boats.	531
48. Kette, Deutsche Elbschiffahrtsgesellschaft, Uebigau.	Ship steering engines.	531
49. Kirchhoff, O., Stralsund.	Model of reversible life-boats for passenger steamers.	534
50. Luebecker Maschinenbau Gesellschaft, Luebeck.	Models of excavators; drawings of dredging machines.	530

## Naval Warfare and Miscellaneous.

- | Exhibit No.  | Class's No. |
|--|-------------|
| 50a. Luther, G., Brunswick, Germany. Illustrations of harbor construction, etc.  | 534         |
| Specialties: Machinery for harbor, and grain elevator constructions, and for blasting rocks under water. See our illustrations of "Rock removals on the Little Danube (Iron-gate), and our erected and proposed granary and harbor constructions." |             |
| 51. Mueller, Hans. Carl, Hamburg. Swimming and life preserving apparatus; pamphlets.   | 534         |
| 52. Muessig, Otto, Breslau. Boat shell.  | 528         |
| 53. North German Lloyd, Bremen. Ship models, charts, etc.  | 528         |
| 54. Phoenix Aktiengesellschaft fuer Huettenbetrieb Laar. Cable gripper and car coupling.   | 532         |
| 55. Swiderski, Ph., Leipsic, Plagwitz. Crude oil motor and boat.   | 529         |
| 56. Tecklenborg, Johann, Geestemunde. Ship models.   | 528         |
| 57. Thomsen, H., Luebeck. Ship signal lanterns.  | 534         |
| 58. Union Aktiengesellschaft fuer, Bergban, Eisen und Stahlindustrie, Dortmund. Iron and steel appurtenances.  | 532         |

## GROUP 86.

- 58a. Deutsch - Oesterreichische Mannesmann-Rohr Werke, Berlin.
- a Seamless tubes for torpedoes and torpedo boat axles and pneumatic firing flasks. 538
  - b Tube projectiles, shells and tube forgings. 542
59. Germania Schiff und Maschinenbau Aktiengesellschaft, Berlin.
- a Models of cruisers and armored vessels. 537
  - b Dispatch and torpedo boats; dredging machines, etc. 538
60. Krupp, Fried., "Grusonwerk," Magdeburg, Buckau.
- a Guns and armor. Krupp Pav. 542
  - b Railway supplies. 499
- We manufacture war material, viz., ammunition, guns, howitzers and mortars; shielded mountings, armor turrets, etc. Material for railway, tramway, mine and factory lines. See exhibit in Krupp Pavilion and Machinery Hall.
61. Stettiner Maschinenbau-Aktiengesellschaft Vulkan, Bredow, near Stettin.
- a Models of German express steamers and relief plans of the company's plant. 538
  - b Model of Chinese man-of-war. 539

Exhibits Classified in other Departments but installed in this.

## DEPARTMENT J.

## GROUP 129.

## Lighting by Electricity.

- | Exhibit No.  | Class's No. |
|--|-------------|
| 62. Daimler, Motoren Gesellschaft, Cannstatt. Illuminating wagons. | 779         |

## GROUP 133.

## Electric Telegraph and Electric Signals.

- |   |     |
|---|-----|
| 63. Siemens & Halske, Berlin. Signal apparatus. | 796 |
|---|-----|

## GROUP 138.

## Progress and Development in Electrical Science and Construction.

- |   |  |
|---|--|
| 64. Schuckert & Co., Nuremberg. Plans of electric central stations. |  |
|---|--|

Dept. G 818

## Collective Exhibit of Fried. Krupp, Cast-steel Works, Essen, Germany.

Krupp Pavilion, S. E. of Agricultural Building, south loop of Intramural Railroad.

## Class 542. (See. No. 60.)

1. 42 cm (16.54") coast gun L 33 in front pivot coast carriage. Weight of barrel with breech closure, 122400 kilos (tons, 120.46).
2. 30.5 cm (12.01") gun L 35 in hydraulic ship carriage. Weight of barrel with breech closure, 62450 kilos (tons, 61.46).
3. 28 cm (11") coast gun L 40 C. 89. Weight of barrel with breech closure, 43300 kilos (tons, 42.62).
4. 24 cm (9.45") coast gun L 40 C. 86 in center pivot coast carriage. Weight of barrel with breech closure, 31000 kilos (tons, 30.51).
5. 21 cm (8.26") gun L 85 in center pivot ship carriage. Weight of barrel with breech closure, 14200 kilos (tons, 13.96).
6. 15 cm (5.9") quick-firing gun L 40 in center pivot ship carriage.
7. 12 cm (4.72") quick-firing gun L 40 in center pivot ship carriage.
8. 8.7 cm (3.43") quick-firing gun L 40 in center pivot ship carriage.
9. 7.5 cm (2.95") quick-firing gun L 25 in caponnier carriage.
10. 10.5 cm (4.13") fortress and siege gun L 35 with carriage.
11. 24 cm (9.45") fortress and siege mortar.

## Krupp Exhibit and Civil Engineering.

Exhibit  
No.

12. Portable 7.5 cm (2.95'') mortar.
13. 7.5 cm (2.95'') field gun L 28.
14. 7.5 cm (2.95'') light field gun.
15. 6 cm (2.4'') boat and landing gun L 21.
16. 7.5 cm (2.95'') mountain gun L 18.
17. 6 cm (2.38'') mountain gun, packed on three mules.
18. 3.7 cm (1.46'') bush gun.
19. Collection of projectiles, consisting of:  
Steel armor shells.  
Steel fuse shells and mine shells.  
Cast-iron fuse shells.  
Shrapnels.  
Case shots.
20. 300 mm (11.3'') compound armor plate.
21. 400 mm (15.7'') compound armor plate.
22. 300 mm (11.8'') nickel steel armor plate.
23. 400 mm (15.7'') nickel steel armor plate.
24. 260 mm (10.23'') nickel steel armor plate.
25. Plate of ingot iron, weight 62400 kilos (tons, 61.41).
26. Boiler plate of welding Siemens-Martin ingot iron.
27. Boiler end plate of Siemens-Martin ingot iron.
28. Dome-shaped piece from a plate of welding-iron.
29. Distorted boiler end plate.
30. Distorted flue of a tenbrink boiler destroyed by want of water.
31. Hollow shaft from a block of crucible steel, length 25000 mm (82 feet), weight 12000 kilos (tons, 11.81).
32. Driving roll of crucible steel.
33. Screw shaft, thrust shaft, and crank shaft of open-hearth steel. Total weight of the three shafts exhibited 105000 kilos (tons, 103.34), total length of same, 27.5 m (90 feet).
34. Trunnion ring, forged from crucible steel in one piece.
35. Distorted disc wheel center (coiled center) of wrought iron.
36. Chisel drill.
37. Six stamp shafts of crucible steel.
38. Two crank-pins of crucible steel.
39. Two crank-pins of crucible steel.
40. Two piston rods of crucible steel.
41. Two connecting rods of crucible steel.
42. Two coupling rods of crucible steel.
43. Six crank-pins of crucible steel.
44. Two crank-pins of crucible steel.
45. Two crank-pins of crucible steel.
46. Two crank-pins of crucible steel.
47. Two piston rods of crucible steel.
48. Crank shaft of crucible steel.

Exhibit  
No.

49. Crank axle of crucible steel.
50. Crank axle of open-hearth steel.
51. Crank axle of crucible steel.
52. Two coupling cranks of crucible steel
53. Two driving cranks with eccentrics.
54. Stem of molded steel casting.
55. Stern post of molded steel casting.
56. Rudder frame of molded steel casting
57. Ship's screw or propeller of molded steel casting. The total weight of the propeller is 26225 kilos (tons, 25.81).
58. Bed plate of molded steel casting.
59. Coupling of the American system of Janney, of molded steel casting.
60. Locomotive frame of molded steel, casting.
61. Wheel rim and pinion of crucible steel casting.
62. Distorted spoke wheel center of molded steel casting.
63. Driving wheel center of molded steel casting.
64. Distorted driving wheel center of molded steel casting.
65. Test pieces.
66. Centrifugal vessels.
67. Locomotive steam domes.
68. Connecting base pieces.
69. Protective cap for an armored tower.
70. Two-axle car truck.
71. Various parts of pressed steel.
72. Various die-forged parts.
73. Several sets of tires.
74. Several sets of retaining rings.
75. Several sets of wheels.
76. Several sets of wheels, complete, fitted on axles.
77. Hoisting crane, capable of lifting a load of 85000 kilos (tons, 83).
78. Hoisting crane, capable of lifting a load of 85000 kilos (tons, 83).
79. Portable railway plant.
80. Rolling mill.
81. Mint rolls.
82. Reed rolling machine.
83. Gold rolling machine.
84. Tinsel rolling machine.
85. Rolls.

## DEPARTMENT L.

Collective Exhibit of Civil Engineers of  
Germany.

## GROUP 152.

Civil Engineering, Public Works, Con-  
structive Architecture.Models and plans of mechanical and civil  
engineering, naval architecture, equipmer  
of factories and public works.

## Exhibit of Civil Engineers.

- Ackermann, Th., Munich. Books.  
 Andre, Friedr., Hildesheim. Disinfectors (models).  
 Architekten Verein, Hanover. Periodicals.  
 Archiv fuer Eisenbahn-Wesen, Berlin. Periodical.  
 Bach, C. Professor, Stuttgart. Books.  
 Baden Railways, Karlsruhe (plan).  
 Baer, Carl, Eltville. Agricultural buildings (plans).  
 Bassermann, Munich. Books.  
 Baumgaertner, Leipsic. Books.  
 Bavarian Ministry. Bridges (plan).  
 Bavarian Railways (plan).  
 Bergmann, Wiesbaden. Books.  
 Bielefelds, Verlag, Karlsruhe. Books.  
 Bleichert, Adolf & Co., Leipsic. Ropeways (plans).  
 Blohm & Voss, Hamburg. Models of ships.  
 Bock, O., Weimar. Steam brick factory (models and plans).  
 Breyer, Johs. F., Hamburg. Water velocipede (models).  
 Breymann & Huebener, Hamburg. Transportable railways (models).  
 Briegleb, Hansen & Co., Gotha. Turbines (plans).  
 Buergermeisterei, Darmstadt. Waterworks (plans).  
 Buergermeisterei, Worms. Filtering works (plan and model).  
 Cotta's, I. G., library. Books.  
 Craz & Gerlach, Freiberg, S. Books.  
 Dampfkessel-Ueberwachungsverein, Breslau. Periodicals.  
 Denissen & Jacobi, Hamburg. Statistics of bored wells.  
 Deutsche Continental Gas Gesellschaft, Dessau (plan).  
 Eichhorn, K., Berlin. Smelting apparatus (plan).  
 Eichner, W. Roofs, system Foepfel (plan).  
 Eisenwerk, Nagel & Kaemp, Hamburg. Mills and cranes (plans).  
 Engelmann, W., Leipsic. Books.  
 Experimental Bureau, Berlin. Mikrophotographic views of iron sections.  
 Felix, Arthur. Books.  
 Foelsche, R., Halle. Beet sugar factories (plan).  
 Germania Ship & Engine Building Co., Berlin (models).  
 Glaser, F. C., Berlin. Periodicals.  
 Grand Duchy of Baden. Bridges (plans).  
 Grove, David, Berlin. Heating and ventilating (plan).  
 Gute, Hoffmungs Huette, Oberhausen. Ironworks (plans).  
 Haeder, Herm, Duisburg. Books.  
 Hahn's Library, Hanover. Books.  
 Halberstadt-Blankenburger Eisenbahn Cog-wheel Mountain Railway (model and plan).  
 Haniel & Lueg, Duesseldorf. Hydraulic harbor apparatus (plan).  
 Hanoversche Maschinenbau Co. Waterworks (plan).  
 Helios Co., Coeln. Electric centrals (plan).  
 Hessian Ministry, Darmstadt. Bridge (plan).  
 Heymann, Carl, Berlin. Books.  
 Heyn, J., Stettin. Weirs (plan).  
 Hoffmann, Fr., Berlin. Circular kilns for cement, brick, etc.  
 Humboldt, Maschinenbau Anstalt. Ore and coal preparing plants (plan).  
 Intze, Otto, Professor, Aachen. Water and gas reservoirs (plans).  
 Kaiserliche Kanal Commission. Nord Ostsee Canal (models).  
 Karlsruher Ingenieur Verein. Redtenbacher bust.  
 Kirchhoff, O., Stralsund. Lifeboats (models).  
 Kloeene, Aug., Dortmund. Gasometer (plan and model).  
 Koerting, Gebrueder. Heating, ventilating, gas motors (models).  
 Kuemmel, W., Hamburg. Waterworks (plan).  
 Lindley, W. H., Frankfurt-a-M. Sewerage (plans).  
 Lipsius & Tischer, Kiel. Books.  
 Luebecker Maschinenbau Gesellschaft. Luebeck excavators (model and plan).  
 Luermann, Fritz W., Osnabrueck. Furnaces and generators (plans).  
 Luther, G., Maschinenfabrik. Harbor work and warehouses (plan and model).  
 Macco, Heinrich, Siegen. Rye mills (plan).  
 Magistrate Altona. Waterworks (plan).  
 Magistrate Berlin. Public buildings (models and plans).  
 Magistrate Frankfurt-a-M. Waterworks and drainage (plans).  
 Magistrate Muenohen. Sewers and waterworks (plans).  
 Maschinenbau Gesellschaft, Nuernberg. Railway train (plan).  
 Maschinenfabrik Geislingen. Grain mills, turbines, etc. (plans).  
 Menck & Hambrock, Altona. Cranes and steam hammers (plans).  
 Metallwerke, J. Alders. Rectification apparatus (model).  
 Meyer, Rud. Otto, Hamburg. Heating and ventilating (plan).  
 Miller, Oskar von, Munich. Electric works (plan).  
 Ministry, Elsass, Lothringen. Flood pond (model).  
 Ministry, R. Prussian, Berlin. Prussian waterways (models and plans).

## Exhibit of Civil Engineers.

Ministry, R. Saxon, Dresden. Bridges (models and plans).  
 Mohr & Federhaff, Mannheim. Cranes (plans).  
 Naglo, Gebr., Berlin. Electric centrals (plans).  
 Neukirch, Fr., Bremen. Elevators, cranes (models and plans).  
 Oberbuergermeister, Koeln. Public works (plan).  
 Oldenbourg, R., Munich. Books.  
 Otto, Dr. C. & Co., Dahlhausen. Coke ovens (plans).  
 Pohlig, I., Koeln. Ropeways (plan and model).  
 Polytechnic library, 'A. Seydel, Berlin. Books.  
 Rath, Stadt Leipzig. Public works (plan).  
 Redaction of "Stahl und Eisen," Dusseldorf. Periodicals.  
 Saechsischer Ingenieur Verein. Periodicals.  
 Schaar, Georg F., Altona. Gas works (plan).  
 Schaefer, Jos. Crefeld. Dredger.  
 Schimmel, Oscar & Co., Chemnitz. Steam laundries.  
 Schmeltzer, L., Magdeburg. Brick machines, etc. (plans).  
 Schmidt, F. H., Altona. Patent iron piling harbor works (plan and model).  
 Schmorl & von Seefeld, Hanover. Books.

Schuckert & Co., Nurenberg. Electric works (plan).  
 Schulze, Richard, Duisburg. Books.  
 Senat, Bremen. Correction of Weser river (plan).  
 Simon, Leonhard, Berlin. Books.  
 Springer, Julius, Berlin. Books.  
 Stadtrat Karlsruhe. Waterworks (plan).  
 Stettiner Chamottefabrik. Retort furnace.  
 Stettiner Maschinenbau Atkiengesellschaft Vulkan. Models of ships.  
 Stuckenholz, Ludwig, Wetter-a-Ruhr.  
 Teubner, Leipzig. Books.  
 Thost, Otto, Zwickau. Cario grate (model).  
 Venuleth & Ellenberger, Darmstadt. Distilleries (models and plans).  
 Verein deutscher Ingenieure. Periodicals.  
 Verein, Z. Beforderung des Berlin Gwerbfleisses, Berlin. Periodical.  
 Vieweg & Son, Braunschweig. Books.  
 Voigt, B. F., Weimar. Books.  
 Voss, Leopold, Hamburg. Books.  
 Weike, R., Stassfurt. Pamphlets.  
 Werner & Pfeleiderer, Camstadt. Kneading and mixing machines (plan).  
 Wittwer, K., Stuttgart. Books.  
 Zeichnungs, Commission der Huette, Charlottenburg. Books.  
 Zeitschrift fur Berg, Huttenwesen, Berlin. Periodicals.

## GREAT BRITAIN.

LOCATION—Sec. C. 2-4-6-8-11&5 Main Building. Sec. V-S & U-N-1-13 in Annex.  
 Sec. B. in N. W. Gal. 9-26.

## Railways, Railway Plant and Equipment

## GROUP 80.

Exhibit No.	Class'n No.		
1. Aldridge, James G. W., London.			
Sleeping berth for railway cars.			
		U-N-9-10-Annex	500
1a. Atkinson and Philipson, Newcastle-on Tyne. Sketches, models and relics of early railways in England.		B gal.	499
2. Baker, Sir Benjamin, K. C. M. G., London. Model of Forth bridge.		C-2-13	499
3. Belfast & Northern Counties Railway, Belfast. Views of north of Ireland scenery.		U-N-7-8-Annex	503

Exhibit No.	Class'n No.		
3a. Boulton, Isaac W., Ashton-under-Lyne. Pictures of the early days of railways in England.		B gal.	499
4. De Monte & Jost, Bombay, India. Model of block system for railway.		Annex	501
5. Dorn, Charles Frederick, London. Model of live stock car.		C-11	500
5a. "Engineering," London. Illustration of railway and other transport machinery.		B g	

## Railways, Street Car and Other Short Line Systems, Vehicles.

Exhibit No.	Class'n No.	
6. Fowler, Sir John, Bart., K. C. M. G., London. Model of the Forth bridge.	C-2-18	499
7. Great Eastern Railway Company, London. Map of railway system and views.	U-N-7-Annex	503
8. Great Western Railway Company, London.		
a Rails.	U-N-1-4 Annex	499
b Engine and vacuum brake.		500
c Views.		503
8a. Harvey & Co., Hayle, Cornwall. High pressure boiler made by Trevithick and two sectional drawings of same. Bgal.		499
9. Irish Railway Companies, Dublin. Views of Irish scenery. U-N-8-9-Annex		503
9a. Leverett & Ramsay, Durban, Natal. Fluke sash holder.		500
10. London & North Western Railway Company, London.	V-S-1-9	
a Passenger locomotive and cars, models, boiler tube cutters, etc.		500
b Signal apparatus.		501
c Views of scenery, etc.		503
11. Midland Railway Company, Derby.	U-N-6-Annex	
a Photographs of passenger engines, carriages and appliances.		500
b Views of places.		503
12. Plymouth Works, Merthyr Tydfil, Wales. Two wagons or trucks, which were the first ever drawn on a railway by steam, having been a portion of the train drawn by Trevithick's locomotive in 1804. Section of the original track with flange rails laid on stone stringers. Drawings of Trevithick's locomotive, etc. Installed in Baltimore & Ohio railroad historical exhibit, in American section.		
	S. & T. Annex	500
13. Purdon, William, Hull. Working model of railway carriage door.	U-N-9-10	500
14. Westwood & Winby, London.		
a Expansion gear for bridges and rail joint.	U-N-5-Annex	499
b Express passenger locomotive.		500

## GROUP 81.

15. Cradock, George, & Co., Wakefield. Samples of new and worn cable, tramway and mining ropes. 504  
 Manuf'rs of every description of steel and iron wire ropes. Lang's patent rope (which they introduced and established 1879) for mines, collieries, transmission of power, cranes, hoists, agricultural purposes and cable tramways, in which they have had specially good results.

Exhibit No.	Class'n No.	
15a. Plymouth Works, Merthyr Tydfil, Wales. Photographs of system of electric traction at said works.	B gal.	505
15b. Ward Electrical Car Co., Ltd., London. Electrical vehicles.	Annex	505

## GROUP 83.

16. Atkinson & Philipson, Newcastle-on-Tyne. Prints, drawings, books, etc., historical and scientific, relating to coaches and coach making. B gal. 515  
 16a. Baldwin, D. B., Royston. Turkish bit. B gal. 523  
 16b. Berens, Randolph, London. Silver spurs taken from the feet of Sir Thomas Picton, when he was killed at the Battle of Waterloo. B gal. 523  
 16c. Boyd, Geo. Fenwick, J. P., Whitley, Northumberland. English sedan chair. B gal. 518  
 17. Briggs, Thomas, Salford. Cart. 510  
 18. Brigg, T. H., London.  
 a Vehicles with patent haulage attachments and fore carriage. Annex 511  
 b Bearing-rein, etc. 523  
 Tram-cars, omnibuses, wagons, and all four-wheeled, heavy or light, carriages fitted with the "attachment" will save 10 per cent. to 30 per cent. of horse power. A great success. A boon to horse owners. Sold by all carriage and wagon builders. Works, Thornton Road, Bradford, Yorks, Eng.  
 19. Carver, Joseph, Walsall. Harness, whips, etc. 523  
 20. Cope, Benjamin, & Sons, Ltd., Walsall. Bits, bridles, snaffles, and stirrup irons. 523  
 21. Cussans, J. E., London. Early English bit. B gal. 523  
 22. Davis & Wilson, West Birmingham. Whips, ornaments and materials. 523  
 23. Disc Wheel Company, Ltd., Tooting. Spokeless wheel for cycles and other vehicles. 522  
 26. Horniman, M., Forest Hill, London. Trophy of bits and horse furniture of the year 1600. B gal. 523  
 27. Humber & Co. Ltd., London. Cycles and safety bicycles. Entresol 520  
 28. Institute of British Carriage Manufacturers, London. A collection of models, paintings, drawings and engravings of all types of coaches, chariots and other vehicles and parts of same, in use at different periods, illustrating the progress of invention and improvement in carriage building; specimens of heraldry paintings,

Vehicles, Vessels, Boats—Marine, Lake and River Transportation.

Exhibit No.	Class'n No.
engravings and lithographs of Indian and other modes of transport, caricatures of English and Irish methods of traveling. Dandy horse used about 1820.	B gal. 511
<b>41. Laurie &amp; Marner, London.</b>	
a Dress coach used by the Lord Mayors of London.	515
b Gee spring dress chariot formerly belonging to the late Duke of Newcastle.	
c Four-in-hand drag built for H. R. H. the Prince of Wales.	
d Royal landau used at jubilee of H. M. Queen Victoria.	
e Two-wheel curricule.	
f Model of old York mail, the first to run between London and York.	
<b>42. Martin &amp; Martin, London.</b> Harness, saddlery, riding canes, whips, lap robes, etc.	523
<b>43. Metallic Tube &amp; Flask Company, Ltd., Birmingham.</b> Steel tubes, cycle spokes.	Entresol 520
<b>44. Montague, W. J., London.</b> Antique war horse bit, year 1500; Eastern stirrup, silver spur of year 1700.	B gal. 523
<b>45. Morgan &amp; Co., Ltd., London.</b>	
a Drag.	514
b Brougham, victoria, landau.	515
c Phaeton.	516
<b>46. Peat, Henry, &amp; Co., London.</b> Harness saddlery and stable fittings.	523
<b>47. Potosi Silver Co., Birmingham.</b> Boot and other stirrups.	B gal. 523
<b>48. Premier Cycle Company, Ltd., Coventry.</b> Bicycles and tricycles and cycle parts.	Entresol 520
<b>49. Quadrant Cycle Company, Birmingham.</b> Bicycles.	Entresol 520
<b>50. Raleigh Cycle Company, Ltd., Nottingham.</b> Bicycles and tricycles and cycle parts.	Entresol 520
<b>51. Sasson, I. &amp; Co., London.</b>	
a Moorish cut leather saddle of 17th century.	
b Italian bit, 17th century.	
c French bit, 17th century.	
d English plated stirrup.	
e English stirrup, 16th century.	
f Pair English spurs.	523
<b>52. Seddon's Patent Pneumatic Tire Company, Ltd., London.</b> Tires, bicycles, tricycles and cycle accessories.	Entresol 520
<b>53. Sparkbrook Manufacturing Company, Ltd., Coventry.</b> Bicycles and tricycles and cycle parts.	Entresol 520
<b>54. St. John Ambulance Association, London.</b> Litter and stretcher and ambulance material.	519

Exhibit No.	Class'n No.
<b>40a. Swaine &amp; Adesey, London.</b> Whips, thongs and horns.	523
<b>42. Warman &amp; Hazlewood, Ltd., Coventry.</b> Bicycles, fittings and accessories.	Entresol 520
<b>43. Whitworth Cycle Company, Birmingham.</b> Cycles.	Entresol 520
<b>44. Wilson, Henry, Dublin.</b> Harness.	523
<b>45. Woods &amp; Son, St. Ives.</b> Ivo car.	518

GROUP 85.

<b>47. Aldridge, James G. W., London.</b> Sleeping berths for ships' cabins.	532
<b>48. Bedwell, F. Le Breton, London.</b> Model showing method of electrical communication with light ships.	Gal. 534
<b>49. Belfast Ropework Company, Ltd., Belfast.</b> Ropes for ships' use.	532
<b>50. Bryer, J., &amp; Son, London.</b> Ships' lamps.	533
<b>51. Cook, Thomas &amp; Son, London.</b> Models illustrating travel in various countries and periods.	536
<b>52a. Coryton, John, London.</b> The Coryton collection of plates and photographs of Egyptian vessels; illustrations of the Invincible Armada; restoration of Elgin marbles; the great admiralty seals of England; various medals of the Elizabethan period representing vessels and battles; medals representing ancient galleys; reproduction of Pompeian plate showing the adventures of Ulysses; snuff boxes, from pieces of famous British ships—seventeenth century; swords and other articles.	B gal.
<b>52. Cleghorn, William, Jr., Dundee, Scotland.</b> Hemp oakum, sheathing felt.	532
<b>53. Cunard Steamship Company, Ltd., Liverpool.</b> Models of Royal Mail steamships.	529
From the "Britannia," 1840, the first royal mail steamship that crossed the Atlantic, with other celebrated Cunard mail ships that have marked forward steps in naval architecture, to the "Campania" and "Lucretia," the latest type, and the largest and most powerful steamships in the world.	
<b>54. Currie, Donald &amp; Co., Ltd., London.</b> Models and photos of steamships.	529
<b>55. D'Arcy Irvine, John, Dublin.</b> Line-throwing gun with automatic life-buoy.	534
<b>56. Denny, Wm., &amp; Bros., Dumbarton, Scotland.</b> Models of steamers.	529
<b>57. Fairfield Shipbuilding &amp; Engineering Co., Ltd., London.</b> Ship models and photos of ships and engines.	529

# DEPARTMENT G.—TRANSPORTATION.

## Vessels and Miscellaneous.

Exhibit No.	Class'n No.
58. Furness, Withy & Co., Ltd., West Hartlepool. Model of cargo steamer.	529
59. Green, Joseph F., London. Model hydraulic life-boat.	534
60. Hawthorn, R. & W., Leslie & Co., Ltd., Newcastle-on-Tyne. Models of passenger and emigrant steamers.	529
61. Haslop & Co., Ltd., Wakefield. Seamless steel boat.	528
63. Horne, W. C., London. a Compasses, charts, tallies and tapes.	532
64. Joicey, Mrs., Stocksfield-on-Tyne, Wales. Original Grace Darling life-boat. Contributions received for widows and orphans of seamen. Entrance Golden Door.	534
65. Laird Bros., Birkenhead. Models of steamers and yacht.	529
66. Langley, George, London. Anchors.	522
67. Mills, William, Sunderland. a Model of navy cutter. b Great for boats and launches.	529 522
68. Peninsular & Oriental Steam Navigation Co., Ltd., London. a Models of steamers. b Maps.	529 536
69. Simons, Wm., & Co., Renfrew, Scotland. Models of dredges and elevating dock ferry steamer.	530
70. Stütel, Hartmann & Rahtjen's Company, Ltd., London. Antifouling and other compounds for protection of hulls of steel vessels and other metal work.	522
71. Thomas Ironworks & Shipbuilding Co., Ltd., London. a Models of ships and yachts. b Models of lifeboats etc.	529 529
72. Thomson, J. & G., Ltd., Clydebank, Scotland. Models of steamers.	529
73. Tuck, R. J., Kingston-on-Thames. a Models of lifeboats etc. b Life preservers. B gal.	529 525
74. Union Steamship Company, Ltd., London. Models of steamers.	529
75. Wicks, F. W., & Son, Liverpool. Various models of steamers and tugs.	522
76. White Star Line, Liverpool. a Models of ships etc. b Models of lifeboats etc.	528 529
77. Winshurst, James, London. Model of the first of the 2500-ton steamers.	529
78. Adamson Glen Syndicate, Ltd., London. Model of a 2500-ton steamship.	542

## GROUP 86.

Exhibit No.	Class'n No.
78. Armstrong, Mitchell & Co., Ltd., Newcastle-on-Tyne. Half model of H. M. S. "Victoria," full model of cruiser "25 de Mayo."	537
79. Brown & Co., Ltd., Sheffield. Armour plate, bolts, sleeves, nuts, boiler tubes and marine shafting.	542
80. Maxim-Nordenfolt Guns & Ammunition Co., Ltd., London. Quick firing and machine guns with mountings, accessories and ammunition.	542
81. Yarrow & Co., London. Models of torpedo-boat catchers and the "Opalo."	536

Exhibits Classified in Other Departments but Installed in this.

## DEPARTMENT F.

### GROUP 69.

Motors and Apparatus for the Generation and Transmission of Power.

82. Denny & Co., Dumbarton, Scotland. Working models of marine engines. 1) Brock's patent quadruple expansion screw engines as fitted to S. S. "Kaiserin" and others. 2) Batchelor's vertical working model of above. 3) Duguid compound portable engines as fitted to the "Compasse Henriette." Dover-Ostend mail service. Mean speed 24½ statute miles per hour.	529
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## DEPARTMENT H.

### GROUP 105.

Travelling Equipments.

83. Swaine & Agency, London. Factors' sandwich cases etc.	529
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## DEPARTMENT J.

### GROUP 115. I.

84. London & Northwestern Electric Co., Ltd. Electric signalling apparatus.	529
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## DEPARTMENT L.

### GROUP 122.

Civil Engineering. Public Works and Structural Architecture.

85. Trinity College, University of Dublin. Model of a steel truss bridge over the Thames tunnel.	529
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## INDIA.

## Vehicles, River and Coast Vessels.

## GROUP 83.

Class'n  
No.Exhibit  
No.

1. Tellery, S. J., & Co., Calcutta.  
E gal. 40-43
- a Models of ballock carts. 510
- b Models of palanquins. 518
- c Models of elephant's trappings. 523

## GROUP 85.

Class'n  
No.Exhibit  
No.

2. Tellery, S. J., & Co., Calcutta. Models  
of characteristic river and coast vessels  
and various water craft.
- E gal. 40-43 528

## ITALY.

## Railways, Vehicles, Vessels, Boats—Marine, Lake and River Transportation.

## GROUP 80.

1. Perelli-Minetti, Barletta. Receiving  
reservoir, etc. Dept. H 499
2. Perelli & Minetti, Milan. Refriger-  
ating car. 500

## GROUP 83.

3. Berens, Randolph, London, England.  
a Sicilian cart from Palermo. B gal. 510
- b Sicilian harness from Palermo. 523
4. Gianotti, Giacomo, Milan. Whips. Dept. H 523
5. Monti, Milan. Bits for horses. Dept. H 523

## GROUP 84.

6. Capone, Federigo, Naples. Model of  
a flying machine. Dept. F 526

## GROUP 85.

7. Bellini, San Martine, Rio. Cordage. Dept. H 532
8. Gianotti, Giacomo, Milan. Cordage. Dept. H 532
9. Italian Government. Bragazza or  
Venetian fishing boat, located on lagoon  
in front of main entrance to building. 528
10. Municipality of Genoa. Models of car-  
avels Santa Maria, Nina and Pinta. E gal. 37-39 528
11. Venetian Gondola Co., Chicago. Mod-  
ern Venetian gondola. Gondolas of 14th  
century in use on the lagoons. E gal. 39-42 528

## GROUP 86.

12. Orlando Brothers, Leghorn. Models  
of men-of-war. E gal. 37-39 537

## JAPAN.

LOCATION—D-6 and B Gal. 10 and 11.

## Railways, Vehicles, Vessels and Marine Transportation.

## GROUP 80.

- | Exhibit<br>No. |   | Class'n<br>No. |
|----------------|---|----------------|
| 1.             | Imperial Japanese Commission.<br>B gal. 10&11   |                |
| a              | Model of the Aimoto cantilever bridge, the Kintai bridge, pontoon bridges, the Ogaki sluice and map showing the general plan of work on the Kiso—Nagara and Ioi rivers. 499 |                |
| b              | Diagram showing the progress of railway construction in Japan and a general railway map of Japan. 503   |                |

## GROUP 82.

- |    |   |     |
|----|---|-----|
| 2. | Imperial Japanese Commission. Model of Usui mountain pass showing railway on the Abt system and map and photographs showing Usui-Toge railway, with steep incline, on the Abt system.<br>B gal. 10&11 | 508 |
|----|---|-----|

## GROUP 83.

- |    |  |     |
|----|--|-----|
| 3. | Imperial Japanese Commission. Baby carriage.<br>B gal. 10&11 | 521 |
| 4. | Kyubei Tanaka, Tokyo. Baby carriage.<br>Dept. H              | 521 |
| 5. | Uhei Matsuda, Tokyo. Spurs.<br>Dept. H                       | 523 |

## GROUP 85.

- | Exhibit<br>No. |  | Class<br>No. |
|----------------|--|--------------|
| 6.             | Imperial Japanese Commission.<br>a Lighthouse chart diagram showing the number of wrecks on the coast of Japan for 15 years, from 1877 to 1891 and general wreck chart of the coast of Japan for 1891.<br>B gal. 10&11 | 503          |
| b              | Flags (Ensign and Jack) D-6. Chart showing the principal coasting steamer routes of Japan and diagram of Japanese shipping.<br>B gal. 10&11  | 503          |

## GROUP 86.

- |     |  |     |
|-----|--|-----|
| 7.  | Imperial Japanese Commission. The World's Columbian Exposition, Chicago. A pleasure boat, the originals of which were much used during the Fujiwara period (eleventh century) by the feudal lords on the lakes in their garden. The boat will be named "Hoomaru" meaning phoenix bird, which is her figure-head, and "maru" being a term often given to ships in Japan.<br>On lagoon | 503 |
| 8.  | Dept. of Navy. Naval charts.<br>D-6-21   | 503 |
| 9.  | Dept. of Navy—Naval arsenal. Cannon, shield, projectiles, steel, etc.<br>D-6-21  | 503 |
| 10. | Dept. of Navy—Ship-building Section of Yokosuka Naval Station. Models and diagrams of men-of-war, cruisers, engines and boilers.<br>D-6-21   | 503 |

# LATIN AMERICA.

LOCATION—A Gal., N. E. Cor.

## Vehicles and Methods of Transportation.

### Illustrations of Transportation Methods in South American Countries.

Collection of pictures from original photographs.  
Colombian rider's outfit (mounted figure), Bogota, Colombia.  
"Arriero" or mule driver and outfit (mounted figure), Bogota, Colombia.  
South American "lechero" or milk man (mounted figure), Bolivia.  
Pack mule with panniers, etc.

### Exhibit

- No.  
6. Donkey or "burro" with pack-saddle.  
7. Llama—one of the principal carriers of South America.  
8. Male Cargadore or pack carrier.  
9. Female Cargadore or pack carrier.  
10. Cargadore or pack carrier with "silla" or chair for carrying passenger on his back.  
11. Sedan chair, style still used by ladies and others in Bogota, Colombia. Secured for the Exposition by Lieut. H. R. Lemley, U. S. A.

# MADEIRA.

located for the Exposition by John F. Healy, U. S. Consul, Funchal, Madeira.

LOCATION—A Gal. N. E. Cor.

## Vehicles and Methods of Transportation.

### GROUP 83.

ro de Monte, or mountain sled, carrying two persons. 517  
rodos boss or bullock cart (sledge), loaded, and carrying four persons. 517  
roca or sledge hack for carrying it. 517

Exhibits Classed in other Departments but Installed in This.

### DEPARTMENT H.

#### GROUP 108.

### Exhibit

- | No.   | Class'n No. |
|---|-------------|
| 4. Traveling hammock.   | 676         |
| 5. Skin bottle in which the must for Madeira wine is carried. | 676         |

## MEXICO.

LOCATION—C, 7-9.

## Railways, Street Cars, Vehicles and Methods of Transportation on Common Rail

## GROUP 80.

Exhibit No.	Class'n No.
1. Ferro-carril Internacional Mexicano, Piedras Negras. Map and profile of the railroad.	499
1a. Ferro-carril Central Mexicano. Model of harbor improvements at Tampico. Photographs, curiosities, etc., illustrative of travel in Mexico.	534 & 499
1b. Ferro-carril Nacional Mexicano. Pictures, reproductions, etc., illustrative of Mexican scenery, etc.	

## GROUP 81.

2. Guzman, Juan, Monterrey. Automatic counter for street cars.	506
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## GROUP 82.

3. Cellard, Ricardo M., Monterrey. Sketch of the transportation by elevated cables.	508
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## GROUP 83.

4. Agüero, Pedro, Villa de Patos. Bridle bit.	523
5. Barroeta, Dr. G., San Luis Potosi. Spur straps and stable filament-made articles.	523
6. Elcoro y Comp., Valentin, Mexico. a Carts.	510
b Express and heavy wagons.	511
7. Escalon, Pablo, Ramos Arizpe. Bridle rope.	523
8. Escontria, Francisco, Monterrey. Stable filament manufactured articles.	622
9. Gendarmeria de Jalisco, Guadalajara. Saddle.	523
10. Lartigue, Aurelio, Monterrey. Stable filament manufactured articles.	522

## Exhibit No.

11. Lessance, Amado, Mexico. Tack.	
12. Lozano, David, Mexico. blanket, belts, saddles, spurs and harness.	
13. Maestranza, N. de Artilleria, Mexico. Saddle tree of Hotchkiss cannon porter, model of 1890; harness with ment tracers.	
16. Mellado, Ignacio, Puebla. Saddle trees.	
17. Mercado, Trinidad, Puebla. Saddle tree.	
18. Oaxaca, State of. a Litter and litter-holder. b Harness for litter-mules.	
19. Ochoa, Fructuoso, Mexico. Saddle.	
20. Olagaray, Juan B., Durango. Saddle, saddle and harness.	
21. Perez, Amado C., Mexico. C (Atarrea de aparejo).	
22. Perez, Mariano, Bustamante. filament, manufactured articles.	
23. Perez, Miguel, San Juan de los Rios. lupe. Bridle reins, halters and rope.	
24. Puebla, State of. Spurs, saddle with its accessories.	
25. Rodriguez, Matias, Durango. stall.	
26. Saavedra, Jesus, Puebla. Saddle with all its accessories, embossed headstall, bridle, hemp and leather saddle horse breast strap (Gargueta extra reins).	
27. Secretaria de Fomento, Mexico. Model of "Charro," saddle trees.	
28. Trevino, Ramon Z., Mexico. Stable saddlery articles.	
29. Toera, Manuel J., Mexico. Saddle bridle bit measurer (Frenometro) stirrups and bridle reins.	

## NETHERLANDS.

LOCATION—C Gal. 45-47.

Railways, Vessels, Miscellaneous.

## GROUP 80.

	Class'n No.
Holleman, F. A., Olsterwyk. Air ke.	500

## GROUP 85.

Van Swyndregt, Montauban, Rotter- n. Model Dutch sailing vessel.	528
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is Classified in other Departments  
but Installed in This.

## DEPARTMENT L.

## GROUP 149.

Primary, Secondary and Superior  
Education.

Huet A., Delft. Maps and drawings engineering colleges.	852
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## GROUP 150.

Literature, Books, Libraries, Journalism,

Exhibit No.	Class'n No.
44. Fynje, J. G. W. Books on engineer- ing.	854

## GROUP 152.

Civil Engineering, Public Works, Con-  
structive Architecture.

45. Huet, A., Delft. Drawings of water- works in Holland.	881
46. Royal Institute of Engineers, The Hague. Maps and drawings of water- works in Holland.	881

## NEW SOUTH WALES.

LOCATION—C, 2-11-12 and W-8-11-12.

Railways, Vehicles.

## GROUP 80.

	Class'n No.
Commissioners for New South Wales ways, Sydney.	

Two maps showing the railway systems for N. S. W., samples of the permanent way of the Colony, and series of miscellaneous photographs.

Series of photographs of rolling stock, locomotives, passenger stock, and goods stock.	499
Yearly reports of position and progress of railways.	500

Series of photographs showing durability.	503
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Commissioners for New South Wales, Sydney. Series of photographs, illustrat-	503
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Exhibit No.	Class'n No.
ing the railway stations and bridges, etc., of the colony.	499
3. Kingsbury, H. H., & Co., Sydney. Ratchet lock-nut washer.	499

## GROUP 82.

4. Commissioners for New South Wales, Sydney. Model of Lithgow valley, Zig- zag, Blue mountains.	508
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## GROUP 83.

5. Glencross, C., Sydney. Patent brou- gham hansom and Glencross patent cab.	513
6. Goodwin, Henry, Sydney. Squatters' wool wagon, and photographs of works and show rooms.	511

## Vehicles, Vessels, Boats, etc.

Exhibit No.	Class'n No.	Exhibit No.
7. Hodgson Bros., Goulburn. Whiptongs, stocks, bridle, etc.	523	11. Fanner, Robert Edmund, Northney. Yacht's gig.
8. Mercantile Rowing Club, Sydney. Photographic views of club's boat-houses and champion eight-oar crew.	586	12. Marine Board of New South Wales, Sydney. Charts of the coast of N. S. showing the positions of lighthouses.
9. Sydney Tramway & Omnibus Co., Ltd., Sydney. Omnibus wheels.	522	12a. Orient Steam Navigation Co. M of R. M. S. Austral; photograph of R. S. Ophir.
<b>GROUP 85.</b>		13. Smith, Captain Charles, Sydney. Photographs of Smith's wharf, Mill Point, Sydney.
10. Commissioners for New South Wales, Sydney. Model of Sutherland dock, Cockatoo Island, Sydney.	530	

## NORWAY.

## Railways, Vehicles, Vessels and Boats.

Exhibit No.	Class'n No.	Exhibit No.
<b>GROUP 80.</b>		6a. Rustiania Committee, Christiania. Sleighs.
1. Hansen, O. M., Christiania. Models of locomotive and railway car; drawings.	Dept. H 500	-64
<b>GROUP 83.</b>		<b>GROUP 85.</b>
2. Hansen, O. M. Christiania. Model of mail wagon.	Dept. H 514	7. Hansen, Randolph, Arendal. Model of steel sailing vessels.
3. Knudsen, A., Kovigen, Arendal. Blocks and dead eyes.	Dept. H 522	8. Helvig, Jakob J., Stavanger. Steamship in miniature.
3a. Nippermehl, Carl, Christiania. Sleighs.	B-6-4 517	9. Knudsen, A., Kovigen, Arendal. Boat.
4. Norseng, P., Hamar. Kariol.	Dept. H 513	10. Wikstrom, E. H., Momeene, U. S. A. Boat from Hammerfest, Norway.
5. Remmen & Madsen, Kragero. Harness fasteners and shafts.	Dept. H 522	E. Gal. 33
6. Rokne, K., Vossevangen.		11. Common type fishing boat used in cod fisheries of Lofoten Islands.
a Kariol.	Dept. H 513	D-12-22
b Sleigh.	B-6-4 517	12. Pleasure boat.
		D-12-22

# RUSSIA.

LOCATION—D, 10-16.

## Railways, Vehicles, Naval Warfare and Coast Defense.

### GROUP 80.

Exhibit No.	Class'n No.
1. Bronstein, Mr. Railway clamps and latch controller.	499
2. Gamsburg, B. Model of a sleeping car.	500
3. Rizzoni, P. P. Car axles.	500
4. Tudarovitch, G. K. Continuous Indicator.	501

### GROUP 83.

5. Dement & Sohn. Harness.	523
6. Kuznetzov, A. J. Harness.	523
7. Markav, Mr.	
a Light pleasure carriages.	516
b Sleighs, sleds, cutters, etc.	517
8. Nellis & Trese.	
a Pleasure carriages.	515
b Light pleasure carriages.	516
c Sleighs, sleds, cutters, etc.	517
9. Semenov, E. I. Sleighs with shafts.	517
10. Volk & Co. Harness.	523

Exhibit No.	Class'n No.
11. Zimmerman, R. R. Harness.	523

### GROUP 85.

12. Gott, J. Rigging, hemp, tow.	532
13. Koriakin, Mr. Ropes and straps.	532
14. Petersburg Iron Works Co.	
a Photographs and drawings of marine mechanical appliances.	531
b Photographs and drawings of construction, outfit, etc.	532
15. Solnyshkow, Mr. Iron chains.	532
16. Ushin Heirs. Hemp and ropes.	532

### GROUP 86.

17. Modeling Department of the Ministry of Navy.	
a Model of the boat: "The Grandfather of the Russian fleet."	537
b Model of the Rurik Cruiser of the 1st Class and of the Navarin Ironclad.	540

# SIAM.

## Vehicles, Marine Transportation.

### GROUP 83.

Exhibit No.	Class'n No.
1. Siamese Commission, Siam:	
a Models of bullock carts and other native vehicles. E gal. 26	510
b Elephant howdah or saddle of carved ivory. C-5-7	523

### GROUP 85.

Exhibit No.	Class'n No.
2. Siamese Commission, Siam. Models of boats. E gal. 26	528

# SPAIN.

Transportation. Marine Transportation. Coast Defense.

2072 4  
 War Department—Museum of Artillery. Madrid. 532  
 Model of gun 18 centimetres.  
 Model of gun 20 centimetres.  
 Cannon of 7 centimetres.  
 Samples of rigging and canvass made at National Factory, Carthagena.  
 Model of Santa Maria, flagship of C. Colon.

2073 4  
 War Department—Museum of Artillery. Madrid. 532  
 Model of gun 18 centimetres.  
 Model of gun 20 centimetres.  
 Cannon of 7 centimetres.  
 Samples of rigging and canvass made at National Factory, Carthagena.  
 Model of Santa Maria, flagship of C. Colon.

2074 4  
 War Department—Museum of Artillery. Madrid. 532  
 Model of gun 18 centimetres.  
 Model of gun 20 centimetres.  
 Cannon of 7 centimetres.  
 Samples of rigging and canvass made at National Factory, Carthagena.  
 Model of Santa Maria, flagship of C. Colon.

2075 4  
 War Department—Museum of Artillery. Madrid. 532  
 Model of gun 18 centimetres.  
 Model of gun 20 centimetres.  
 Cannon of 7 centimetres.  
 Samples of rigging and canvass made at National Factory, Carthagena.  
 Model of Santa Maria, flagship of C. Colon.

2076 4  
 War Department—Museum of Artillery. Madrid. 532  
 Model of gun 18 centimetres.  
 Model of gun 20 centimetres.  
 Cannon of 7 centimetres.  
 Samples of rigging and canvass made at National Factory, Carthagena.  
 Model of Santa Maria, flagship of C. Colon.

## GROUP 86.

9. War Department—Museum of Artillery. Guns and projectiles.  
 Annex W-N-1-3 54

Exhibits Classed in Other Departments but Installed in this.

## DEPARTMENT D.

### GROUP 88.

10. Alier, Pedro, Barcelona. Fishing nets. 25

## STRAITS SETTLEMENT.

collected for the Exposition by Rounseville Wildman, U. S. Consul at Singapore.

## Vehicles, Marine Transportation.

## GROUP 83.

Exhibit No.	Class'n No.
1. Models of Malay vehicles.	
E gal. 26	518

## GROUP 85.

Exhibit No.	Class'n No.
7. Models of Malay boats and vessels.	
E gal. 26	528

## SWEDEN.

## Exhibited in Swedish Pavillon.

## Railways, Vehicles, Marine Transportation.

## GROUP 80.

Exhibit No.	Class'n No.
1. Jernkontorets Kollektivtställning, Stockholm.	
a Casting for railway equipment.	500
b Historical railway exhibit.	503
2. Kohlswa Bruk, Kohlswa. Locomotive wheel.	500
3. Soderfors Bruks Aktiebolag, Soderfors. Car springs and wheels.	500
4. Surahmmars Bruks Aktiebolag, Surahmmar. Railway axles, wheels, tires, etc.	500

## GROUP 83.

5. Dahlgren, Carl W., Eskilstuna. Skates.	517
6. Forenigen for Skidloppningens, Ceframjande, Stockholm. Skates, sledges and toboggans.	517
7. Langborg, Helmer, Stockholm. Skates.	517
8. Liberg, B. & O., Eskilstuna. Skates.	517

Exhibit No.	Class'n No.
9. Sandvikens Jernverks Aktiebolag, Sandviken. Wheel tires.	522
10. Stockholms Allmanna Skridskoklubb, Stockholm. Skates with sails for skate-sailing.	517
11. Tull, N. P., Stockholm. Sails for skate-sailing and models of ice yachts.	517

## GROUP 85.

12. Bergsund's Mekaniska Verkstads Aktiebolag, Stockholm. Sheet-iron frame for beacon.	534
13. Jernkontorets Kollektivtställning, Stockholm. Anchors, chains, etc.	532
14. Kgl. Lotstyrelsen, Stockholm. Light-house beacon.	534
15. Kgl. Svenska Segelsallskapet, Stockholm. Sections and models of boats.	528
16. Lindberg, L. F., Stockholm. Apparatus used in Swedish light-houses.	534
17. Lyth, G. W., Stockholm. Lamp used in the Swedish light-houses.	534
18. Soderfors Bruks Aktiebolag, Soderfors. Anchors.	532

# SWITZERLAND.

LOCATION—North End of Building, Main Floor.

## GROUP 82.

Exhibit No. 1. St. Gothard Railway Co., Lucerne.  
Plastic maps and water color paintings of the St. Gothard Railway. 508

# SYRIA.

LOCATION—B, West Gallery.

Vehicles, Marine Transportation, Miscellaneous.

## GROUP 83.

Exhibit No.	Class'n No.	Description
1. Merrill, Selah, U. S. Consul, Jerusalem.		
a	518	Palanquin from Jerusalem, carried by mules and donkeys.
b	518	Boxes in which women are carried in wedding processions.
c	521	Bag for carrying children.
d	521	Chairs for teaching babies to walk.
e	523	Mule pack saddle.
f	523	Eating bag for horses.

## GROUP 85.

2. Merrill, Selah, U. S. Consul, Jerusalem. Model of boat used on the Sea of

Exhibit No.

Galilee, the same kind and style that was used in the time of Christ. 508

Exhibits, Classified in other Department but Installed in this.

## DEPARTMENT H.

## GROUP 108.

3. Merrill, Selah, U. S. Consul, Jerusalem. Leather bottles for carrying oil, wine, water, etc., water skin, water jar for the head, water bottles, small hand and terra cotta water jars, plaques or covers for food and pannier or basket for carrying earth, or as used by street peddlers. 508

# TURKEY.

LOCATION—K-S-D-2.

Collected for the Exposition by Robert Levy of the Turkish village on Midway Plaisance.

Vehicles, Boats.

## GROUP 83.

Exhibit No.	Class'n No.	Description
1. Araba or country carriage, drawn by oxen.	C-5 515	
2. Embroidered saddle and bridle.	C-5 523	
3. The street carriers of Constantinople, illustrated by life-size portrait figures; Sedan chair, saddles, water bottles, etc.	D-6	

## GROUP 85.

Exhibit No.	Class'n No.	Description
4. Caique or rowing boat.	C-5 528	
5. Carque, as used on the Bosphorus and Golden Horn. Constructed at arsenal, Constantinople.	528	
6. Sandal or gig, as used on board man-of-war. Constructed at arsenal, Constantinople.	528	

# WEST INDIES.

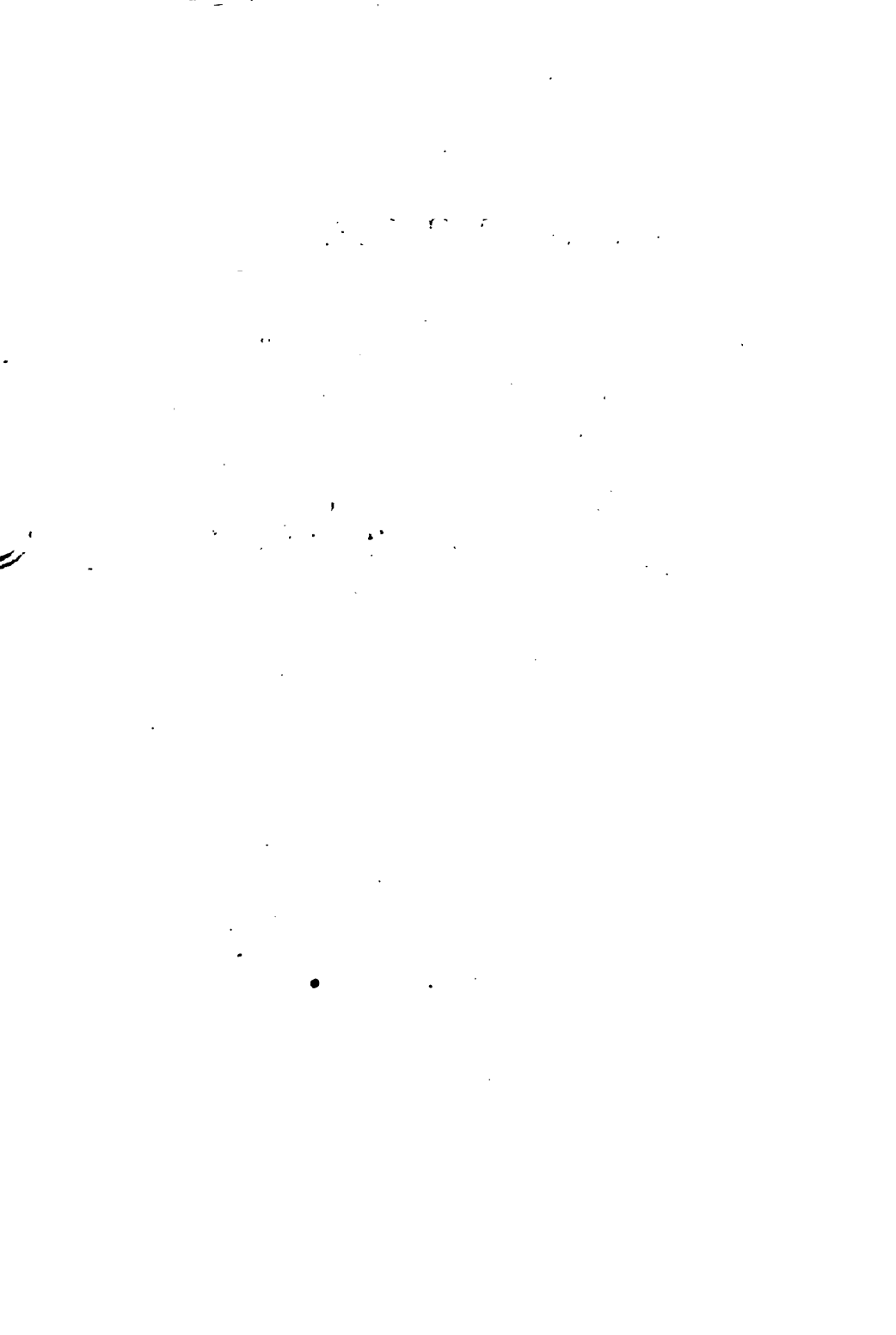
## Vehicles, Marine Transportation, Miscellaneous.

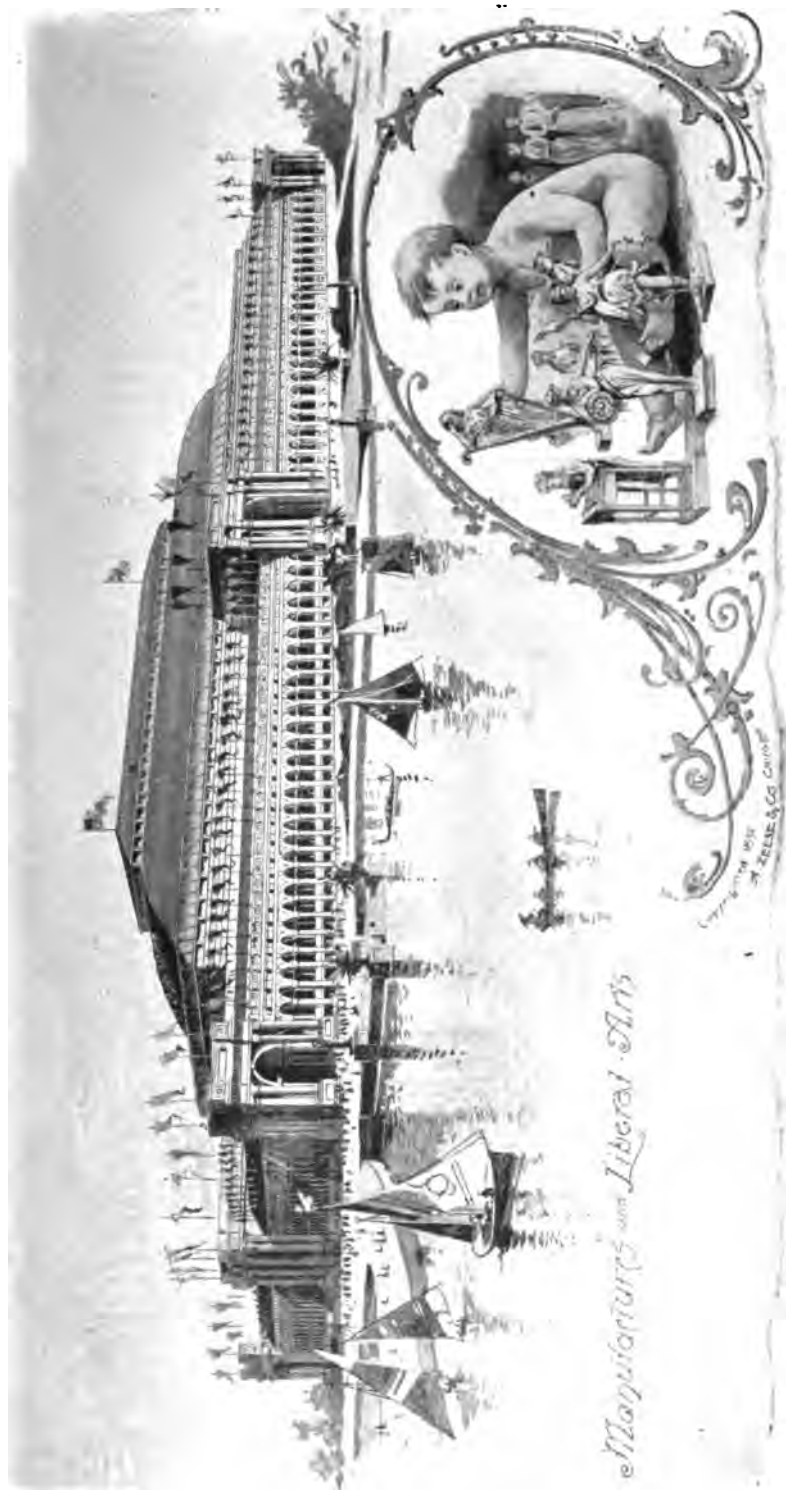
### GROUP 83.

Exhibit No.	Class'n No.
1. Hardy, John, U. S. Consul. Saddles, bridles, etc., from Azua, St. Domingo.	
	F gal. 523
2. People of San Domingo. Photographs illustrating the various methods of transportation in the West Indies.	
	A gal. N. E. cor. 510-521
3. Zeilin, J. H., & Co., Philadelphia, U. S. A. Cuban volante with outrider, harness, etc., also illustrations showing use of same.	
	B-11 515

### GROUP 85.

Exhibit No.	Class'n No.
4. People of San Domingo. Model of Columbus' flag ship "Santa Maria," made for the 400th anniversary of the landing of Columbus.	
	Inside Golden Door entrance 536
<b>Exhibits Classified in other Departments, but Installed in this.</b>	
<b>DEPARTMENT L.</b>	
5. Taylor, Chas. E., St. Thomas. Model and pictures of the Island of St. Thomas, Danish West Indies.	
	E gal. 40 877





*Manufacture von Liberal Arts*

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# WORLD'S COLUMBIAN EXPOSITION

1893

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## OFFICIAL CATALOGUE

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### PART VIII.

MANUFACTURES AND LIBERAL ARTS BUILDING

LEATHER AND SHOE TRADES BUILDING

MERCHANT TAILORS BUILDING

---

## DEPARTMENT H. MANUFACTURES

JAMES ALLISON, CHIEF

---

EDITED BY

THE DEPARTMENT OF PUBLICITY AND PROMOTION

M. P. HANDY, CHIEF

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W. B. CONKEY COMPANY, PUBLISHERS  
TO THE  
WORLD'S COLUMBIAN EXPOSITION  
1893.

# WORLD'S COLUMBIAN EXPOSITION

1893

## OFFICIAL CATALOGUE

PART VIII.

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DEPARTMENT H. MANUFACTURES

JAMES ALLISON, COMPTROLLER

THE WORLD'S COLUMBIAN EXPOSITION

MANUFACTURES

W. B. CONKEY COMPANY,

PRINTERS AND PUBLISHERS, 8 W  
CHICAGO.

WORLD'S COLUMBIAN EXPOSITION

1893

# MANUFACTURES AND LIBERAL ARTS BUILDING. . . . .

## DEPARTMENT OF MANUFACTURES.

Dimensions, 1,687 by 787 feet. Height of walls, 66 feet. Height of four center pavilions, 122 feet. Height of four corner pavilions, 97 feet. Height of roof over central hall, 237.6 feet. Height of roof-truss over central hall, 212.9 feet. Height clear, from the floor, 202.9 feet. Span of truss, 382 feet. Span in the clear, 354 feet. Width of truss at base, 14 feet; at hip, 32 feet; at apex, 10 feet. Weight of truss, 300,000 pounds; with purlines, 400,000 pounds. Ground area of building, 30.47 acres. Floor area, including galleries, 44 acres. Cost, \$1,700,000. Material—17,000,000 feet of lumber; 12,000,000 pounds of steel in trusses of central hall; 2,000,000 pounds of iron in roof of nave. Architect, Geo. B. Post, of New York.

The building is rectangular in form, and the interior is divided into a great central hall, 890 by 1,290 feet, which is surrounded by a nave 107 feet wide. Both hall and nave have a 50-foot gallery extending entirely around them.

It is in the Corinthian style of architecture and in point of being severely classic excels most of the other large edifices. The long array of columns and arches which its facades present is relieved from monotony by the grand entrances, which are designed in the manner of triumphal arches, the central archway of each being 40 feet wide and 80 feet high. Surmounting these portals is the great attic story, ornamented with sculptured eagles 18 feet high, and on each side above the arches are great panels with inscriptions. The spandrels are filled with sculptured figures in bas-relief. At each corner of the main building are pavilions designed in harmony with the great portals.

The domes on either side of the main archways, eight in number, are magnificently decorated by leading American artists, the subjects being allegorical figures representing the arts and sciences. Extending all around the building is a spacious colonnade nearly a mile long, which looks out upon the lake or lagoon and forms a cool retreat for the tired sight-seers. The exterior of the building is covered with staff, which is treated to represent marble, and the columns and window arches are apparently of this material.

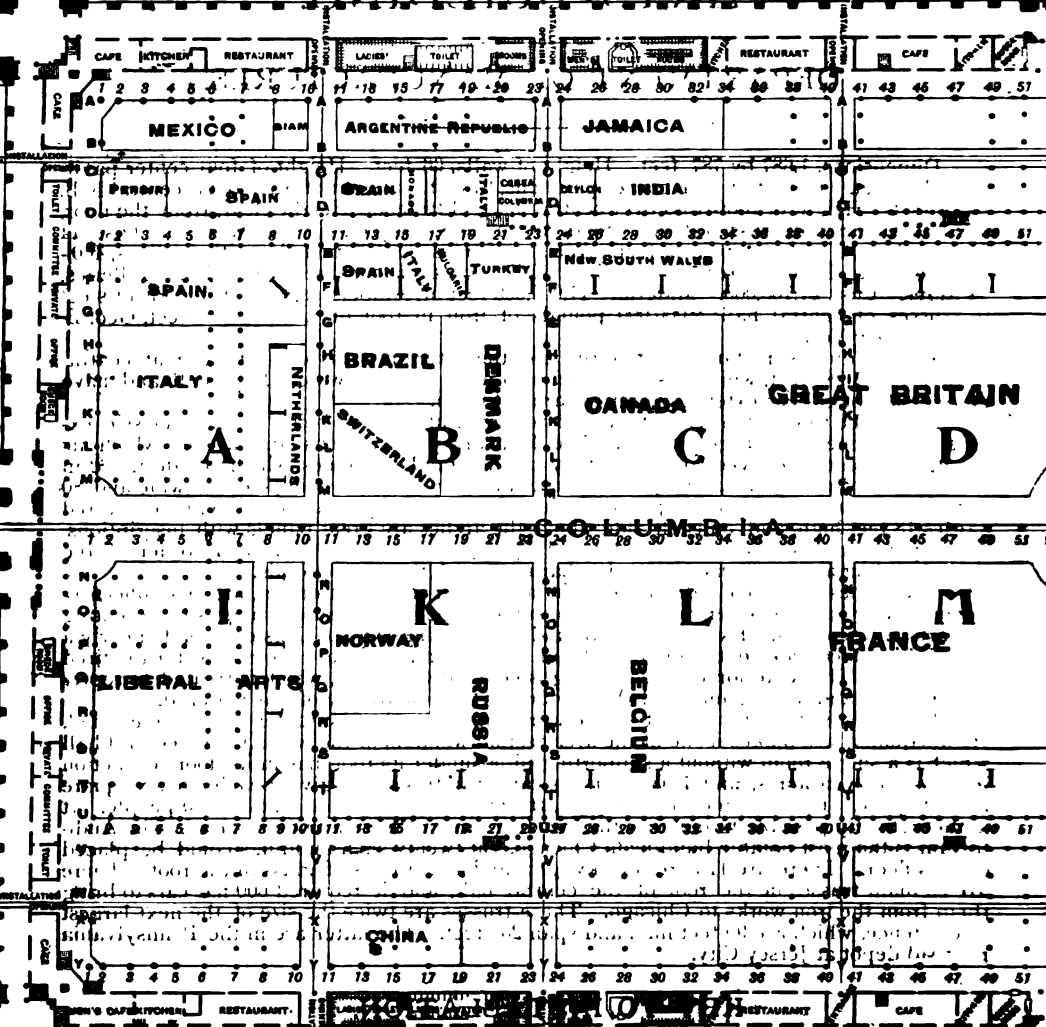
This building is the largest in the world, and is the largest under roof ever erected. Its unequalled size makes it one of the architectural wonders of the world. The central hall, which is a single room without a supporting pillar under its roof, has in its floor a fraction less than eleven acres, and 75,000 persons can sit in this room, giving each one six square feet of space. By the same arrangement, the entire building will seat 300,000 people. It is theoretically possible to mobilize the standing army of Russia under its roof. The Auditorium is the most notable building in Chicago, but twenty such buildings could be placed on this floor. There are 11 acres of skylights and 40 carloads of glass in the roof. There are 22 main trusses in the roof of the central hall, and it required 600 flat cars to bring them from the iron works to Chicago. These trusses are twice the size of the next largest in existence, which are 90 feet high and span 250 feet. The latter are in the Pennsylvania railroad depot at Jersey City.

## KEY TO INSTALLATION.

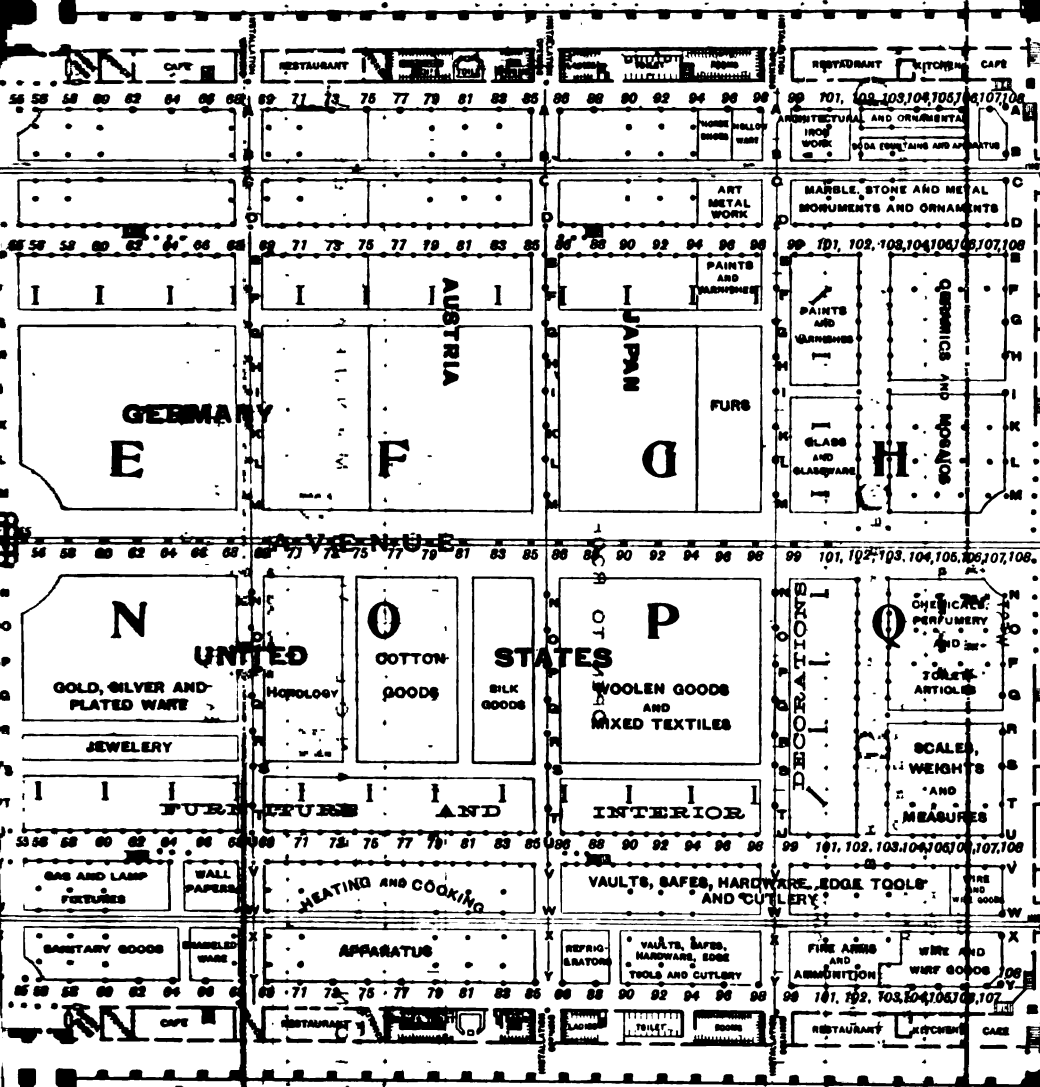
The Department of Manufactures occupies all of the ground floor of the building, except Section I, in the southeast corner, which is occupied by the Department of Liberal Arts. The Manufactures department also occupies gallery, Sections F and G. The main floor is divided into sixteen sections, lettered from A to Q, and each section is divided into four blocks, numbered from 1 to 4, except Sections A, I, H and Q, which have three blocks. By consulting the ground plan in this catalogue these floor divisions can be located. The exhibits in manufactures are installed by classified groups, collectively, and the location of each group is indicated under the group head in the catalogue. For example, all the exhibits of jewelry, embraced in Group 98, are installed in Section N, Block 1. All silk goods, classified as Group 100, are in Section O, Block 1. The location of the foreign countries is indicated under their entries in the catalogue.

# JANUARY 1974

## WORLD MAP



EAST



**WORLD'S COLUMBIAN EXPOSITION,  
MANUFACTURES AND LIBERAL ARTS BUILDING.**

EDUCATION

W. B. CONK & COMPANY  
STREET CO. EXHIBITION  
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EDUCATION



## DEPARTMENT H.

### MANUFACTURES.

#### GROUP 87.

#### CHEMICAL AND PHARMACEUTICAL PRODUCTS—DRUGGISTS' SUPPLIES.

- Class 543. Organic and mineral acids.
- Class 544. The alkalis and alkaline earths—potash, soda, ammonia, caustic soda, carbonate of soda, lime, magnesia, barytes, etc., with their salts and compounds. Bleaching powders, etc.
- Class 545. Metallic oxides and salts of the metals, and other commercial chemical compounds.
- Class 546. Pure chemicals for chemists' use.
- Class 547. Drugs and pharmaceutical preparations and compounds.
- Class 548. Chemists' and druggists' wares and supplies.
- Class 549. Flavoring extracts, essences, essential oils, toilet soap, perfumery, pomades, cosmetics, etc.
- Class 550. Explosive and fulminating compounds—powder, giant powder, etc., shown only by empty cases and packages, "dummy packages," and cartridges, to illustrate the commercial forms.
- Class 551. Pyrotechnics. (In harmless forms, not charged.) Pyrotechnic displays.

#### GROUP 88.

#### PAINTS, COLORS, DYES AND VARNISHES.

(See also Group 48.)

- Class 552. Colors and pigments—natural and artificial, dry and ground in oil. Printing inks, writing inks, blacking, etc.
- Class 553. White lead and white zinc industry.
- Class 554. Painters' and glaziers' supplies.
- Class 555. Artists' colors and artists' materials.

#### GROUP 89.

#### TYPEWRITERS, PAPER, BLANK BOOKS, STATIONERY.

- Class 556. Paper, pulp and paper stock.
- Class 557. Cardboard, cards, pasteboard, binders' board, building boards, and felts for walls and roofing; for floors, ceilings, and for decorations; embossed boards, etc. Papier-maché, useful articles made from paper.
- Class 558. Wrapping papers, manila paper, paper bags, tissue papers.
- Class 559. Printing paper for books and for newspapers.
- Class 560. Writing papers, bond paper, drawing papers, tracing papers and tracing linen; envelopes; blotting paper.
- Class 561. Blank books; sets of account books, specimens of ruling and binding, including blanks, bill-heads, etc.; bookbinding.
- Class 562. Ornamental and decorated paper; marbled papers, etc.
- Class 563. Wall papers, oil papers.
- Class 564. Typewriters, stationery and stationers' goods; ink-stands, weights, rules, pens, pencils, filing-cases, letter presses, etc.

## GROUP 90.

## FURNITURE OF INTERIORS, UPHOLSTERY AND ARTISTIC DECORATION.

- Class 565. \*Chairs of all grades, rockers, lounges, settees, etc.  
 Class 566. Tables for various purposes—billiard, card, dining, etc.  
 Class 567. Suites of furniture for the hall, parlor, drawing-room, library, dining-room and for the bed-chamber.  
 Class 568. Upholstery for windows, doors, stairs, porches, etc.  
 Class 569. Mirrors and their mountings.  
 Class 570. Treatment of porches, doorways, halls and staircases, mantels, etc.  
 Class 571. Floors, ceilings, walls, doors and windows.  
 Class 572. Artistic furnishing, illustrated by completely furnished apartments, with selections of furniture and various objects of adornment from other groups.  
 Class 573. Sewing and embroidering. (See also Group 72.)

## GROUP 91—CERAMICS AND MOSAICS.

## FOR CLAYS AND OTHER MATERIALS SEE GROUP 46.

- Class 574. Bricks and terra cotta for building purposes, plain and enameled; Terra cotta ware for decorative purposes. Reproductions of ancient Roman and Grecian red ware.  
 Class 575. Stoneware and pottery, lead-glazed and salt-glazed ware, Doulton ware.  
 Class 576. Earthenware, stone, china and semi-porcelain ware, faience, etc., with soft glazes and with high-fire, feldspathic glazes and enamels.  
 Class 577. Porcelain with white or colored body, painted, incised or pâte-sur-pâte decoration.  
 Class 578. Tiles—plain, encaustic and decorated tiles, bosses, tessaræ, etc., for pavements, mural and mantel decoration, etc.  
 Class 579. Mural decoration; retables and panels; borders for fireplaces and mantels.  
 Class 580. Designs for and examples of pavements in tiles and mosaics.

## GROUP 92.

## MARBLE, STONE AND METAL MONUMENTS, MAUSOLEUMS, MANTELS, ETC.—CASKETS, COFFINS AND UNDERTAKERS' FURNISHING GOODS.

- Class 581. Marble, stone and metal monuments, and mausoleums and fittings.  
 Class 582. Marble and stone fountains, balustrades and miscellaneous ornaments.  
 Class 583. Marble, stone and metal mantels and ornaments.  
 Class 584. Coffins, caskets and undertakers' furnishing goods.

## GROUP 93.

## ART METAL WORK—ENAMELS, ETC.

- Class 585. Art metal work; selected examples of iron forgings, bronzes, bas-reliefs, repoussé and chiseled work.  
 Class 586. Cloisonné enamels.  
 Class 587. Champ levé enamels.  
 Class 588. Niello work.

## GROUP 94.

## GLASS AND GLASSWARE.

- Class 589. Plate glass in the rough, as cast and rolled, and as ground and polished.  
 Class 590. Blown glass, ordinary window glass, bottles, tubes, pipes, etc.  
 Class 591. Pressed glass and glassware generally for the table and various purposes; skylights, insulators, etc.  
 Class 592. Cut-glass ware for the table and various purposes. Engraved and etched glass.  
 Class 593. Fancy glassware—plain, iridescent, opalescent, colored, enameled, painted, beaded, gilded, etc. Millesimi and aventurine glass.  
 Class 594. Cracked glass in layers, onyx glass, sculptured glass; reproductions of ancient glassware.  
 Class 595. Glass mosaics, beads, spun glass and glass fabrics.

## CLASSIFICATION

9

### GROUP 95.

#### STAINED GLASS IN DECORATION.

- Class 596. Civic and domestic stained glass work, panels, windows, etc.
- Class 597. Ecclesiastical stained glass work.

### GROUP 96.

#### CARVINGS IN VARIOUS MATERIALS.

- Class 598. Wood carving.
- Class 599. Ivory carving.
- Class 600. Bamboo incised work.
- Class 601. Metal carving and chiseling.
- Class 602. Sculptured and engraved glass.
- Class 603. Sculpturing, carving and modeling in porcelain. Pâté-sur-pâté.

### GROUP 97.

#### GOLD AND SILVER WARE, PLATE, ETC.

- Class 604. Gold and silver ware, gilt ware for the table and for decorations.
- Class 605. Silver table ware generally—plates, salvers, tureens, bowls, dishes, baskets, candelabra, épergnes, etc.
- Class 606. Knives, forks and spoons.
- Class 607. Fancy bonbon and other spoons; miscellaneous fancy articles in silver—snuff-boxes, match-boxes, cane-heads, handles, chatelaines, etc.
- Class 608. Ware of mixed metals—Mokumé ware, inlaid and incrustated ware, enameled and niello work.
- Class 609. Plated ware on hard or nickel silver foundation.
- Class 610. Nickel ware, nickel-silver ware, aluminum ware and aluminum-silver ware.
- Class 611. Plated ware on soft metal alloys.

### GROUP 98.

#### JEWELRY AND ORNAMENTS.

- Class 612. Gold ornaments for the person, plain, chased, or otherwise wrought or enameled, rings, bracelets, necklaces, chains, etc.
- Class 613. Diamonds and various colored gems; as rubies, sapphires, emeralds, chrysoberyls, tourmalines, topazes, etc., mounted in various ornaments.  
(For gems in the rough and unmounted in part, see Department E.)
- Class 614. Agates, onyx, jasper, ornaments for the person.
- Class 615. Pastes and imitations of precious stones, mounted or unmounted.
- Class 616. Gold-covered and gilt jewelry and ornaments.

### GROUP 99.

#### HOROLOGY—WATCHES, CLOCKS, ETC.

(See also Group 151.)

- Class 617. Watches of all kinds.
- Class 618. Watch movements and parts of watches.
- Class 619. Watch-cases.
- Class 620. Watch-makers' tools and machinery in part. (For machines requiring power see Department F.)
- Class 621. Clocks of all kinds.
- Class 622. Clock movements.
- Class 623. Clock-making machinery.
- Class 624. Watchmen's time registers.

## GROUP 100.

## SILK AND SILK FABRICS.

- Class 625. Raw silk as reeled from the cocoon, thrown or twisted silks in the gum; organzine, tram, spun-silk yarn.
- Class 626. Thrown or twisted silks, boiled off or dyed, in hanks, skeins or on spools; machine twist and sewing-silk.
- Class 627. Spun-silk yarns and fabrics and the materials from which they are made.
- Class 628. Plain woven silks, lute-strings, sarsnets, satins, serges, foulards, tissues for hat and millinery purposes, etc.
- Class 629. Figured-silk piece goods, woven or printed. Upholstery silks, etc.
- Class 630. Crapes, velvets, gauzes, cravats, handkerchiefs, hosiery, knit goods, laces, scarfs, ties, veils; all descriptions of cut and made-up silks.
- Class 631. Ribbons—plain, fancy and velvet.
- Class 632. Bindings, braids, cords, galloons, ladies' dress trimmings, upholsterers', tailors', military and miscellaneous trimmings.

## GROUP 101.

## FABRICS OF JUTE, RAMIE AND OTHER VEGETABLE AND MINERAL FIBRES.

- Class 633. Jute cloth and fabrics, plain and decorated.
- Class 634. Ramie and other fabrics.
- Class 635. Mats and coarse fabrics of grass, rattan, cocoanut and bark; mattings, Chinese, Japanese, palm-leaf, grass and rushes; floor cloths of rattan and cocoanut fibre, aloe fibre, etc.
- Class 636. Floor, oil-cloths and other painted and enameled tissues, and imitations of leather with a woven base.
- Class 637. Woven fabrics of mineral origin—fine wire-cloths, sieve-cloth, wire screen, bolting cloth. (See also Group 117.) Asbestos fibre, spun and woven, with the clothing manufactured from it. Glass thread, floss and fabrics. (See also Class 595.)

## GROUP 102.

## YARNS AND WOVEN GOODS OF COTTON, LINEN AND OTHER VEGETABLE FIBRES.

- Class 638. Cotton fabrics—yarns, twines, sewing-cotton, tapes, webbings, battings, wadings, plain cloths for printing and converting, print cloths, brown and bleached sheetings or shirtings, drills, twills, sateens, ginghams, cotton flannels, fine and fancy woven fabrics, duck, ticks, denims, stripes, bags and bagging. Upholstery goods—tapestries, curtains and chenilles.
- Class 639. Linen fabrics—linen thread, cloths and drills, plain and mixed; napkins, tablecloths, sheetings, shirtings, etc.; cambrics, handkerchiefs and other manufactures of linen.

## GROUP 103.

## WOVEN AND FELTED GOODS OF WOOL AND MIXTURES OF WOOL.

- Class 640. Woolen and worsted fabrics—woolen yarns, union and merino worsted tops noils and yarns, shoddy and mungo.
- Class 641. Woolen goods—all wool woolen cloths, doeskins, cassimeres, indigo flannels and broadcloth, overcoatings, cloakings and kerseys, flannels, dress goods, etc., for both men and women.
- Class 642. Blankets, robes, traveling rugs, horse blankets, shawls, hunting, etc.
- Class 643. Worsteds—coatings, serges, suitings, cashmeres, etc.
- Class 644. Cotton and woolen-mixed woven goods—unions, tweeds, chevots, flannels, linseys, blankets, etc.
- Class 645. Woven on cotton warps.
- Class 646. Upholstery goods.
- Class 647. Sundries and small wares, webbings and gorings, bindings, beltings, braids, galloons, fringes and gimps, cords and tassels, and all elastic fabrics, dress trimmings, embroideries, etc.

- Class 648.** Felt goods, felt cloths, trimming and lining felt, felt skirts and skirting, table and piano covers, felts for ladies' hats, saddle felts, druggets, endless belts for printing machines, rubber shoe-linings and other footwear, hair feltings.
- Class 649.** Carpets and rugs, ingrain (two-ply and three-ply) and art carpets, tapestry, and body Brussels, tapestry velvet, Wilton or Wilton velvet, Axminster; tapestry Wilton, Moquette, ingrain and Smyrna rugs, other woolen rugs, rag carpets.
- Class 650.** Wool hats of every description.
- Class 651.** Fabrics of hair, Alpaca, goat's hair, camel's hair, etc., not otherwise enumerated

**GROUP 104.**

**CLOTHING AND COSTUMES.**

- Class 652.** Ready-made clothing—men's and boys'.
- Class 653.** Dresses, gowns, habits, costumes.
- Class 654.** Hats and caps.
- Class 655.** Bonnets and millinery.
- Class 656.** Boots and shoes.
- Class 657.** Knit goods and hosiery, woven gloves, gloves of leather and skins.
- Class 658.** Shirts, collars, cuffs, cravats, suspenders, braces and appliances.
- Class 659.** Sewing machines for domestic purposes.

**GROUP 105.**

**FURS AND FUR CLOTHING.**

- Class 660.** Furs and skins, dressed and tanned. Of the cat tribe, of the wolf tribe, of the weasel tribe, of the bear tribe, of the seal tribe. Fur seals—Alaska, Oregon, South Georgia, Shetland and Siberia, undressed, plucked and dyed. Hair seals, Greenland and Labrador seals, spotted seals, silver seal, harp seal, saddle-back. Furs of rodent animals—squirrels, chinchilla, beaver, hares, rabbits and other fur-bearing animals. Birds' skins treated as furs. Swans and swan's-down. Skins. Goose and ~~goose~~ used as swan's-down. Grebe, eider-down and penguin.
- Class 661.** Fur mats and carriage or sleigh robes.
- Class 662.** Fur clothing.
- Class 663.** Fur trimmings.

**GROUP 106.**

**LACES, EMBROIDERIES, TRIMMINGS, ARTIFICIAL FLOWERS, FANS, ETC.**

- Class 664.** Laces of linen and cotton, of silk, wool, or mohair, made with the needle or the loom; silver and gold lace.
- Class 665.** Embroideries, crocheted-work, etc.; needle-work.
- Class 666.** Artificial flowers for trimming and for decoration of apartments.
- Class 667.** Fans.
- Class 668.** Trimmings in variety, not otherwise classed. Buttons, hooks and eyes, pins and needles.
- Class 669.** Art embroidery and needle-work.
- Class 670.** Tapestries, hand-made.
- Class 671.** Tapestries, machine-work.

**GROUP 107.**

**HAIR WORK, COIFFURES AND ACCESSORIES OF THE TOILET.**

- Class 672.** Hair work, as souvenirs and ornaments.
- Class 673.** Coiffures, wigs, switches, etc.
- Class 674.** Barbers' and hair-dressers' tools and appliances.
- Class 675.** Combs, brushes. (See also Class 549.)

## GROUP 108.

TRAVELING EQUIPMENTS—VALISES, TRUNKS, TOILET-CASES, FANCY LEATHER WORK, CANES, UMBRELLAS, PARASOLS, ETC.

- Class 676. Tents, shelters and apparatus for camping, camp stools, etc., hampers, baskets, etc.  
 Class 677. Shawl and rug straps and pouches, gun cases.  
 Class 678. Valises of various materials; dress-suit cases, satchels, hand-bags, etc., toilet articles.  
 Class 679. Trunks of leather, paper, canvas and of wood and metal.  
 Class 680. Fancy bags, pouches, purses, card-cases, portfolios, pocket-books, cigar-cases, smoking pipes, cigar-holders, etc.  
 Class 681. Canes.  
 Class 682. Umbrellas and parasols.

## GROUP 109.

RUBBER GOODS, CAOUTCHOUC, GUTTA PERCHA, CELLULOID AND ZYLONITE.

- Class 683. Clothing; Mackintoshes, capes, coats, boots, shoes, hats, etc.  
 Class 684. Piano and table covers, horse covers, carriage cloth.  
 Class 685. Stationers' articles.  
 Class 686. Druggists' articles, toilet articles.  
 Class 687. Medical and surgical instruments. (See also Group 148.)  
 Class 688. House-furnishing articles, mats, cushions.  
 Class 689. Hose, tubes, belting, packing.  
 Class 690. Insulating compounds.  
 Class 691. Toys of rubber.  
 Class 692. Guttapercha fabrics.

## GROUP 110.

TOYS AND FANCY ARTICLES.

- Class 693. Automatic and other toys and games for the amusement and instruction of children.  
 Class 694. Bonbons, fancy boxes and packages for confectionery.  
 Class 695. Miscellaneous fancy articles not especially classed.

## GROUP 111.

LEATHER AND MANUFACTURES OF LEATHER

- Class 696. Hides and skins.  
 Class 697. Tanned leathers—belting, grain and harness leather. Sole leather—calf, kip and goat skins; sheep skins.  
 Class 698. Curried leathers.  
 Class 699. Patent and enameled leathers; morocco.  
 Class 700. Alligator, porpoise, walrus and kangaroo leather.  
 Class 701. Russia leathers.  
 Class 702. Oil leathers, wash leather, and all other varieties of leather not before named.  
 Class 703. Parchment for commissions, patents, deeds, diplomas, etc. Vellum for similar purposes, and for books and book-binding; for drums and tambourines; for gold-beaters' use, etc.  
 Class 704. Leather belting.  
 Class 705. Embossed leather for furniture, wall decoration, etc.  
 (For trunks see Class 679. For harness, saddlery, etc., see Class 523.)

**GROUP 112.**

**SCALES, WEIGHTS AND MEASURES.**

(See also Group 151.)

- Class 706. Scales for commercial use in weighing groceries, produce and merchandise, counter scales, etc., portable platform scales.
- Class 707. Scales for weighing heavy and bulky objects, as hay, ice, ores, coal, railway cars, etc.
- Class 708. Druggists' and prescription scales.
- Class 709. Bullion scales. Assayers' and chemists' scales. (See also Class 408.)
- Class 710. Postal balances.
- Class 711. Gas and water meters.
- Class 712. Commercial weights and sets of weights—avoirdupois, troy and apothecaries', with the weights of the metric system.
- Class 713. Commercial examples of the measures of capacity, for solids and fluids—measuring glasses for the kitchen and for the laboratory.

**GROUP 113.**

**MATERIAL OF WAR; ORDNANCE AND AMMUNITION—WEAPONS AND APPARATUS OF HUNTING, TRAPPING, ETC.; MILITARY AND SPORTING SMALL-ARMS.**

- Class 714. Military small-arms, rifles, pistols and magazine guns, with their ammunition.
- Class 715. Light artillery, compound guns, machine guns, mitrailleuses, etc.
- Class 716. Heavy ordnance and its accessories.
- Class 717. Knives, swords, spears and dirks.
- Class 718. Fire-arms used for sporting and hunting; also other implements for same purpose. (See also Group 161.)

**GROUP 114.**

**LIGHTING APPARATUS AND APPLIANCES.**

- Class 719. Lamps for burning petroleum, burners, chimneys, shades, table lamps, hanging lamps.
- Class 720. Lanterns, coach lamps, street and special lights and lanterns.
- Class 721. Illuminating gas; fixtures, burners and chandeliers.
- Class 722. Electroliers and electric lamps.
- Class 723. The "Lucigen" and similar lighting apparatus.

**GROUP 115.**

**HEATING AND COOKING APPARATUS AND APPLIANCES.**

- Class 724. Fire-places, grates and appurtenances for burning wood, coal or gas.
- Class 725. Hot-air heating furnaces.
- Class 726. Steam heaters, hot-water heaters, radiators, etc.
- Class 727. Stoves for heating, cooking stoves, kitchen ranges, grills, roasting jacks, ovens, etc. Stove polish.
- Class 728. Gas burners for heating, gas logs, gas stoves, etc.
- Class 729. Petroleum stoves.
- Class 730. Kitchen utensils and other miscellaneous articles for household purposes.

**GROUP 116.**

**REFRIGERATORS, HOLLOW METAL WARE, TINWARE, ENAMELED WARE.**

- Class 731. Refrigerators. Soda and aerated water fountains and appliances.
- Class 732. Cast hollowware—kettles, pots, etc.
- Class 733. Hollowware of copper, nickel, tin-plate and iron. Bells.
- Class 734. Enameled ware, granite ware and porcelain-lined ware. Enameled letters and signs.

**GROUP 117.****WIRE GOODS AND SCREENS, PERFORATED SHEETS, LATTICE WORK, FENCING, ETC.**

(See also Group 65.)

- Class 735. Wire-cloth of brass or of annealed iron and steel.
- Class 736. Wire-cloth of special alloys, as aluminum bronze wire, etc.
- Class 737. Sieves of various grades and materials.
- Class 738. Screens for special purposes.
- Class 739. Perforated metal plates.
- Class 740. Artistic lattice work.
- Class 741. Wire netting.
- Class 742. Wire fencing. (For trellis work for gardens and flowers see also Group 26.)

**GROUP 118.****WROUGHT-IRON AND THIN METAL EXHIBITS.**

- Class 743. Wrought-iron gates, railings, crests, and artistic forgings, not otherwise specifically classed. (See also Department K.)
- Class 744. Repoussé, hammered and stamped metal ornaments used for buildings, bridges, and other structures.
- Class 745. Beams, girders, columns, angle-irons, etc.
- Class 746. Horse-shoes and crude forgings.

**GROUP 119.****VAULTS, SAFES, HARDWARE, EDGE TOOLS, CUTLERY.**

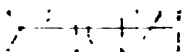
- Class 747. Builders' hardware—locks, latches, spikes, nails, screws, tacks, bolts, hinges, pulleys; furniture fittings; ships' hardware and fittings.
- Class 748. Axes, hatchets, adzes, etc.
- Class 749. Edge tools of various descriptions.
- Class 750. Saws, files.
- Class 751. Cutlery—knives, scissors, shears, razors, etc.; table cutlery.
- Class 752. Vaults, safes and appliances; machinists' and metal workers' tools.

**GROUP 120.****PLUMBING AND SANITARY MATERIALS.**

- Class 753. Bath tubs, bathing appliances and attachments.
- Class 754. Water closets, syphons, flushing tanks; apparatus and receptacles for ventilation and sewerage.
- Class 755. Porcelain laundry tubs, basins, cocks, drains and other appliances.
- Class 756. Plumbers' and gas-fitters' hardware and miscellaneous appliances.

**GROUP 121.****MISCELLANEOUS ARTICLES OF MANUFACTURE NOT HERETOFORE CLASSED.**

# How to Find Exhibitors and Their Exhibits.



The list of exhibitors from the United States will be found in the first portion of this catalogue, the foreign countries with their exhibits installed in Manufactures Building following in alphabetical order. Each country has its exhibits numbered consecutively, and as far as practicable each exhibit has a card attached to it bearing the name of the country and the words "Official Catalogue Number" and that number corresponds with the number in this Catalogue. For example, if a card is found with the following matter thereon:

Department H.                      Manufactures.  
United States.

Official Catalogue Number 162.

the visitor will turn to 162 in the United States portion of the Catalogue where will be found the following entry:

162. Herts Brothers, New York. Furni-  
ture decorations and draperies. N-2 572

It may be that the visitor's attention is first directed to the Catalogue and he may be desirous of finding this exhibit. The first thing he should do is to see what the location is. That being N-2 he will refer to the Key to Installation, which states that the main floor of the Manufactures Building is divided into sixteen sections, lettered from A to Q, and that each section is divided into four blocks, numbered from 1 to 4, except Sections A, I, H and Q, which have three blocks. The exhibits in Manufactures are installed by classified groups, collectively, and the location of each group is indicated under the group head in the catalogue. It will thus be seen that the exhibit of Herts Brothers will be found in section N, block 2, which is situated on the east side of the building.

The class number 572 serves many purposes, and one especially. A visitor, for instance, would like to see the exhibits of furniture, upholstery and artistic decorations in Manufactures Building. He immediately refers to the classification grouping, where he will read in group 90, class 572, the following: "Artistic furnishing, illustrated by completely furnished apartments, with selections of furniture and various objects of adornment from other groups." He then turns to the list of exhibitors under group 90 and by glancing down the right hand side for 572 finds all exhibitors alphabetically arranged who are exhibiting furniture decorations and other articles enumerated in that class.

This rule applies to every exhibit in the Manufactures Department, whatever its character may be, and by following the above plan the visitor will experience no difficulty in locating the exhibitor or his exhibit.

No attention should be paid to any numbers which may be affixed to exhibits except those appearing on cards in the form given above,

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# Department H.--Manufactures.

## UNITED STATES.

### Chemical and Pharmaceutical Products--Druggists' Supplies.

#### GROUP 87.

#### Chemical and Pharmaceutical Products --Druggists' Supplies.

Exhibits in this group are installed, with two exceptions, in Section Q, Block 1.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 1. Allen's, J. J., Sons, Philadelphia.  |             |
| Phosphorus and associated chemicals.  | 546         |
| 4. Baldwin, B. D., & Co., Chicago.  |             |
| Perfumes.   | 549         |
| 5. Bower, Henry, & Son, Philadelphia.   |             |
| Chemicals.  | 544         |
| Ammonia Company of Philadelphia. Kali-<br>on Chemical Company. Ammonia products,<br>sulphate, muriate, aqua; sulphuric acid;<br>prussiate of potash; bichromates of potash<br>and soda; bichloride of tin; glycerine, re-<br>fined, of various qualities.   |             |
| 6. Burnett, Joseph, & Co., Boston.  |             |
| Flavoring extracts, perfumery and color<br>pastes.  | 549         |
| Burnett's extracts have been the popular<br>flavors in the U. S. for half a century; they<br>are used and indorsed by the best hotels,<br>confectioners and grocers throughout the<br>country. Pistachio and violet have been<br>recently added to the list, and bid fair to<br>rival Burnett's famous vanilla. |             |
| 7. Buttermilk Toilet Company, Chicago.  |             |
| Soap.   | 549         |
| 9. Cheesborough Manufacturing Com-<br>pany (Consolidated), New York.  |             |
| a Medicinal preparations.   | 547         |
| b Soaps; toilet preparations, etc.  | 549         |
| The only manufacturers of vasoline and all<br>as preparations in the world. 24 State St.<br>New York.   |             |
| 16. Dodge & Oicott, New York.   |             |
| a Drugs and chemicals.  | 547         |
| b Essential oils.   | 549         |

- | Exhibit No.  | Class'n No. |
|--|-------------|
| 11. Duques, E. R., & Co., New York.  |             |
| Flavoring extracts.  | 549         |
| Sole manufacturers of the "Gauntlet Brand"<br>ground spices, baking powder, salad dress-<br>ing, celery salt, curry powder, table sauces,<br>food products, flavoring extracts.  |             |
| 12. Fritzsche Bros., New York.   |             |
| Essential oils.  | 549         |
| Factory, Garfield, N. J. Branch of Schim-<br>mel & Co., Leipsic and Prague. Essential<br>oils, chemical preparations and synthetic<br>aromatics. Established in New York in<br>1870. Medals awarded at Centennial Ex-<br>position, Philadelphia, in 1876; also at Paris<br>Exposition in 1878. |             |
| 12a. Gardner, R. W., New York.   |             |
| Syrup of<br>hydriodic acid.  | Q-1 548     |
| 13. Gordon, W. J. M., Chemical Com-<br>pany, Cincinnati.   |             |
| Glycerine.   | 546         |
| 14. Gribble & Nash, New York.  |             |
| Refined<br>camphor.  | 544         |
| 15. Hotchkiss, H. G., Sons, Lyons, N. Y.   |             |
| Essential oils.  | 549         |
| 16. India Alkali Works, Boston.  |             |
| Alka-<br>lies and alkaline earths.   | 544         |
| Savonran, wool scourers and cleansing<br>powders. U. S. government standard.<br>Twelve years in use by best cotton and<br>woolen mills, railroads, office buildings, in-<br>stitutions and creameries. Most reliable<br>and convenient for purposes intended.                                  |             |
| 17. Kirk, J. S., & Co., Chicago.   |             |
| Soaps,<br>perfumery and glycerine.   | 549         |
| 18. Krembs & Co., Chicago.   |             |
| a Chemical preparations.   | 546         |
| b Pharmaceutical and technical prep-<br>arations.  | 547         |
| 19. Ladd & Coffin, New York.   |             |
| Perfum-<br>ery, cologne and sachet powder.   | 549         |
| Lundborg's famous perfumes, colognes,<br>toilet waters, sachet powders, etc. First<br>awards at Philadelphia 1876, Sydney 1879,<br>Melbourne, 1881, Adelaide 1881, Calcutta<br>1883-4, Paris 1889, and wherever exhibited.   |             |

## Druggists' Supplies, Paints, Colors, Dyes and Varnishes.

- | Exhibit No.  | Class'n No.  |
|--|--------------|
| 20. Lazell, Dalley & Co., New York.  |              |
| Perfumery.   | 549          |
| Established 1839. Manufacturers of the highest quality of perfumery, colognes, sachets and cologne oils. Only the finest materials are used, and neither expense nor trouble are spared in their manufacture. We invite comparison with the goods of other perfumers, foreign or domestic. |              |
| 21. Lorenz, George, Toledo, Ohio. Perfumery and toilet articles.   | 549          |
| 22. Low's, Robert, Son, Brooklyn, N. Y. Toilet soap and perfumeries.   | 549          |
| 23. Marx & Rawolle, New York. Glycerine.   | 547          |
| 23a. McNeal, D. W., & Co., Chicago. Hair tonic.  | Gal. F-1 549 |
| 24. Melzer, A., Evansville, Ind. Toilet soaps.   | Q-1 549      |
| 25. Melzer, C., Evansville, Ind. Soaps and silver washing flakes.  | Q-1 549      |
| 26. Morgan, Enoch, Sons, New York. Scouring soap.  | 549          |
| It is a solid cake of scouring soap, used in every civilized country. Capt. Andrews and the 14 ft. boat "Sapolio," in which he crossed the ocean, are here shown as exhibits of American grit and as one form of the brilliant advertising which has made Sapolio known to all lands.      |              |
| 27. Pennsylvania Salt Manufacturing Company, Philadelphia. Alkalies and alkaline earth.  | 544          |
| 28. Powers & Weightman, Philadelphia. Chemicals.   | 546          |
| 29. Preston, Andrew P., Portsmouth, N. H. Pharmaceutical specialties and toilet preparations.  | 549          |
| Portsmouth (settled in 1623) is a delightful old city near the sea and New Hampshire's business center for the summer tourist. Preston's was estab. Jan. 4, 1838. The famous Portsmouth specialties are made by Preston, and simple remedies from Preston's are at leading summer resorts. |              |
| 30. Remmey, Richard C., Philadelphia. Chemical stoneware.  | 548          |
| Chemical acid brick for chemical works.  |              |
| 31. Ricksecker, Theo., New York. Perfumery and toilet goods.   | 549          |
| 32. Roessler & Hasslacher Chemical Co., New York. Chemicals.   | 546          |
| Acetone, chloroform, cyanide, ceramic colors, etc.   |              |
| 33. Rosengarten & Sons, Philadelphia. Chemicals.   | 546          |
| For use in medicine and the arts.  |              |

- | Exhibit No.   | Class'n No.  |
|---|--------------|
| 37. Todd, Albert M., Kalamazoo, Mich.   |              |
| a Chemicals.  | 546          |
| b Drugs.  | 547          |
| c Essential oils.   | 549          |
| The most extensive refining works in the world. Refined essential oils, peppermint, wintergreen, etc. Refined drugs, camphor, menthol, thymol, etc. Living plants, from which derived. Ancient books, manuscripts and models, illustrating the history of chemistry, etc. |              |
| 37a. Williams, J. B., & Co., Glastonbury, Conn. Shaving and toilet soaps.   | Gal. G-7 549 |
| 38. Zehring Company, Chicago. Perfumes and toilet goods.  | 549          |

## GROUP 88.

## Paints, Colors, Dyes and Varnishes.

Exhibits in this group are installed in Section H, Block 1; Section G, Block 2, and Gallery F-4.

- |  |             |
|--|-------------|
| 39. Arnstein, Eugene, Chicago. Bronze powder, paints, brushes, etc.  | G-2 545     |
| 39a. Baeder, Adamson & Co., Philadelphia. Emery paper, sand-paper, glue, etc.  | H-1 554     |
| 40. Berry Bros., Ltd., Detroit, Mich. Varnishes.   | H-1 552     |
| Also originators and sole makers of genuine hard oil finish: New York, Boston, Philadelphia, Baltimore, Chicago, Cincinnati, St. Louis, San Francisco. Factory and head office, Detroit, Mich. |             |
| 41. Bridgeport Wood Finishing Company, New Milford, Conn. Paints, fillers, stains and polishes.  | H-1 552     |
| 42. Celluloid Zapon Co., New York. Liquid celluloid.   | Dept. J 554 |
| Controlling all patents for the manufacture of liquid celluloid for varnishes, lacquers or enamels. See exhibit with Hanson & Van Winkle Co., Electricity Bld'g, Sec. L-1.                     |             |
| 44. Chicago Varnish Company, Chicago. Varnish and fossil gums.   | H-1 552     |
| 45. DeGolyer, Watts, Company, Chicago. Varnishes.  | H-1 552     |
| 46. Dexter Bros., Boston. Shingle stain.   | H-1 552     |
| 47. Dunham, G. D., Chicago. Glass diamonds.  | G-2 554     |
| Importer and manufacturer, 164 Randolph St.  |             |

Paints, Varnishes, Typewriters, Paper, Blank Books, Stationery.

- Exhibit No. Class No.
41. Egyptian Lacquer Mfg Co., New York. Lacquers and varnishes. G-2 554
42. Gerts, Lombard & Co., Chicago. Paint brushes, etc. G-2 554
51. Heath & Milligan Manufacturing Company, Chicago. Paints and supplies. H-1 552
52. Hebblewhite Manufacturing Company, Buffalo, N. Y. Stove polish. G-2 552
53. International Ultramarine Works, New York. Ultramarine blue. G-2 552
54. Johns, H. W., Manufacturing Company, New York. Paints, oils and stains. H-1 552
55. Masury, John W., & Son, Chicago. a Varnishes, japans and stains. H-1 552
- b White leads. 553
- c Artists' colors. 555
57. O'Brien Varnish Company, South Bend, Ind. Oils, varnishes and lacquers. G-2 552
58. Rinald Bros., Philadelphia. Paints applied to a wooden windmill. H-1 552
- (a) Porcelain enamel paint (mill and wings); (b) Bessemer paint (base, steps and tin roof); (c) German brewers' varnish; (d) Colored paint remover. Sole manufacturers in Europe: Rosenweig & Baumann, Cassel, Germany.
59. Rubber Paint Company, Chicago. Paints and materials. H-1 552
60. Scientific Art & Decorative Co., New York. Decorative paint. G-2 554
- Marsouilles plush paint; best to use on expensive and delicate fabrics; only paint known that does not destroy the lustre of silk or satin, or flatten the nap of plush; also for photos, wood, glass, china, etc. Instructions free to customers. Address: R. L. Lawrence, P. O. box 544, Chicago, Ill.
61. Senour Manufacturing Company, Chicago. Paints and colors. G-2 552
- Senour's floor paint. Monarch mixed paint. The old original floor paint pioneers.
62. Thomas, L. H., Company, Chicago. Inks; mucilage; bluing. G-2 552
63. Valentine, L. W., Company, New York. Varnishes and colors. H-1-So. 552
64. Valentine & Co., New York. Varnishes, colors and material. H-1 552
65. Weber, F., & Co., Philadelphia. Artists' materials. G-2 555
- Medals awarded for the manufacture of artists' oil and water colors at Vienna, 1873; Franklin Institute Exhib. 1874; Philadelphia 1876; New Orleans 1885.
66. Wiggins, John C., & Son, Boston. Brushes. G-2 554

- Exhibit No. Class No.
67. Wiggins & Stevens, Malden, Mass. Sandpaper. G-2 554
68. Woods, Henry, Sons Company, Boston. Paints and colors. G-2-No. 552

GROUP 89.

Typewriters, Paper, Blank Books, Stationery.

Exhibits in this group are installed in Section G and in Gallery Sections F and G with one exception.

69. Amberg, File & Index Co., Chicago. Letter files, copying and index books. Cal. F-2 564
70. American Paper Pail & Box Company, New York. Paper pails, boxes and napkins. Gal. G-11 557
71. American Writing Machine Company, Hartford, Conn. Writing machine and appliances; typewriter. Cal. F-2 564
- 71a. Arabol Manufacturing Co., New York. Adhesive pastes. G-2 564
- Gums for lithographers, confectioners, and envelope, label, paper bag and box machines, etc. Sizings for textiles, paper coating and painters. Pastes for tin, glass, wood and special uses.
72. Auto-typograph Co., Chicago. An instrument for copying handwriting and typewriting. Cal. F-5 564
74. Blickensderfer Mfg Co., New York. Typewriters. Gal. F-5 564
75. Book Typewriter Co., Rochester, N. Y. Typewriter. Gal. F-18 564
76. Brown, L. L., Paper Company, Adams, Mass. Ledger and record paper. Gal. F-10 560
- Linen ledger paper for blank books a specialty. Gold medal awarded these papers at Paris, 1889. Mills established at Adams, Mass., 1850.
- 76a. Brown & Besly, Chicago. Cabinet and letter files. Gal. F-8 564
77. Bushnell, Alvah, Philadelphia. Copying books and office supplies. Gal. F-8 564
- 77a. Caw's Pen & Ink Co., New York. Fountain and stylographic pens and writing inks. Gal. F-4 564
- "I find Caw's 'Dashaway' Fountain Pen very valuable as a signature pen."
- Grover Cleveland,  
President of the United States.  
Highest award, New Orleans, 1884; Paris, 1889.

## Typewriters, Paper, Blank Books, Stationery.

- Exhibit No.** **Class'n No.**
78. **Crandall Machine Company, Groton, N. Y.** Typewriters. Gal. F-2 564
80. **Crane Bros., Westfield, Mass.** Linen record and writing paper. Gal. F-10 560
81. **Crane, Z. & W. M., Dalton, Mass.** Writing paper and stationery. Gal. F-10 560
- Ladies' and stationery. Pasted boards for wedding and visiting cards.**
82. **Crane & Co., Dalton, Mass.** Bank note, bond and parchment paper. Gal. F-10 560
83. **Crosby Paper Co., Marion, Ind.** Strawboard. Gal. F-12 557
84. **Columbia Typewriter Manufacturing Company, New York.** Typewriter. Gal. F-2 564
- The 1889 visible writing bar-lock typewriters possess a unique combination of advantages. They produce best work with least effort in shortest time. Arranged for all languages. The No. 1 bar-lock silver medal Paris, 1889; the No. 2 only gold medal Edinburgh, 1890; Jamaica, 1891; Boston, 1892.**
85. **Crown Pen Company, Chicago.** Fountain and gold pens. Gal. F-5 564
86. **Cyclostyle Company, New York.** Duplicators, stands and cabinets. Gal. F-5 564
87. **Dennison Manufacturing Company, Chicago.** Stationers' goods, tissue paper articles. Gal. F-5 557
88. **Densmore Typewriter Company, New York.** Typewriters. Gal. F-5 564
- The Densmore is of the very highest grade of commercial typewriters, is replete with conveniences, and noted for its simplicity. No. 1 has 76 and No. 2, 84 characters, without increase in size of frame or carriage. Adopt the Remington keyboard and shift. Keyboards for different languages.**
89. **Denver Paper Mills, Denver, Col.** Paper. Gal. F-8 556
90. **Dick, A. B., Company, Chicago.** Typewriters, mimeograph, letter files. Gal. F-2 564
91. **Dixon, Joseph, Crucible Company, Jersey City, N. J.** Pencils, models of graphite industry. Gal. F-5 564
92. **Electrore Manufacturing Company, Chicago.** Inkstands, paper, weights, etc. Gal. F-5 564
93. **Essex Typewriter, New York.** Typewriters. Gal. F-12 564
94. **Esterbrook Steel Pen Manufacturing Company, Camden, N. J.** Metallic pens and penholders. Gal. F-8 564
96. **Franklin Manufacturing Company, Rochester, N. Y.** Lumber crayons, oil

- Exhibit No.** **Class'n No.**
- crayons, lithographic crayons, colored chalks. Gal. F-5 564
- 96a. **Franklin Typewriter, Boston.** Typewriters and supplies. Gal. F-5 564
97. **Grieshaber, B., Chicago.** Gold pens, picks, pencils, fountain pens. Gal. F-1 564
- 98a. **Hake, Ph., Manufacturing Company, New York.** Stationery. Gal. F-5 564
- Fine writing paper and envelopes, paper ties, wedding stationery, visiting cards, programs, euchre tally cards, menus, announcement cards. Silver medal at Paris Exposition, 1878.**
99. **Hammond Typewriter Company, Chicago.** Typewriters and appurtenances, models of printing devices and factory. Gal. F-2 564
100. **Harding Paper Company, Franklin, Ohio.** Ledger and writing paper. Gal. F-11 560
101. **Hunt, E. C., Glen Cove, L. I.** Marking material, letter heads. Gal. F-8 564
102. **Hurlburt Paper Manufacturing Company, South Lee, Mass.** Writing paper and envelopes. Gal. F-10 564
103. **Illinois Iron & Bolt Co., Carpenterville, Ill.** Copy presses and stands. Gal. F-2 564
104. **Kiefer, Karl, Cincinnati, O.** Typewriter. Gal. F-12 564
106. **Maynard & Jettard Jewelry Co., St. Louis.** Society Stationery. Gal. G-3 564
- Wedding and calling cards. Absolute correctness and style assured. Orders received for execution at stationery exhibit Gallery, Sec. G, Block 3.**
107. **Mills, Knight & Co., Boston.** Fancy leather work. Gal. F-8 564
108. **Munson Typewriter Co., Chicago.** Typewriters. Gal. F-2 564
- The only machine using interchangeable, all steel type wheels, with interchangeable keys, so that the same machine may be used to write any language. General office, 162 La Salle street, Chicago, Ill.**
110. **Office Specialty Company, Rochester, N. Y.** Mercantile labor-saving devices. Gal. F-2 564
- Branches 327 Wabash avenue, Chicago, also at New York, Philadelphia, Washington, Atlanta, San Francisco and Toronto. Makers of metallic vault and office furniture, Shannon letter files and cabinets, document files and cabinets, rapid roller copiers, Schlicht's standard indexes, etc.**
111. **Ohmer's, M., Sons Company, Dayton, Ohio.** Filing document cases, etc. Gal. F-2 564

## Typewriters, Paper, Blank Books, Stationery.

- | Exhibit No.  | Class'n No.   | Exhibit No.   | Class'n No.   |
|--|---------------|---|---------------|
| 113. Paterson Parchment Paper Company, Passaic, N. J. Parchment paper.   | Gal. F-10 564 | 127a. Tiffany & Co., New York.  |               |
| 114. Perfection Ink Well Co., Albany, N. Y. Perfection ink wells.  | Gal. F-1 564  | a Fine writing papers, envelopes, etc.  | N-F 560       |
| 115. Philadelphia Typewriter Co., Philadelphia. Typewriters.   | Gal. F-5 564  | b Ink-stands, paper weights, pen holders, etc.  | 564           |
| 116. Pomeroy Bros., Newark, N. J. Writing inks, mucilage, sealing wax, etc.  | Gal. F-19 564 | 127b. United States Printing Co., Cincinnati. Playing cards and colored printing.   | Gal. F-10 557 |
| Also duplicators and supplies made by the Pomeroy Duplicator Co., of Newark, N. J.   |               | 128. Waterman, L. E., & Co., New York. Fountain pens.   | Gal. F-5 564  |
| 116a. Remington Typewriter, New York. Typewriters and appurtenances.   | Gal. F-2 564  | Waterman's Ideal Fountain Pen, invented in 1883 by L. E. Waterman. The only pen that feeds exclusively by capillary action, which secures a free and continuous flow, regulated automatically by the act of writing. American Institute special medal, 1885. Highest Paris medal, 1889. |               |
| 117. Rockwell & Rupel Co., Chicago. Copy presses, typewriters' supplies.   | Gal. F-5 564  | 129. Wells Manufacturing Company, Syracuse, N. Y. Letter files, indexed books, racks, etc.  | Gal. F-2 564  |
| 118. Rogers Manifold & Carbon Paper Company, New York. Manifold and carbon paper, typewriter supplies.   | Gal. F-8 564  | Wells' cabinet letter file is compact, adjustable, gives quick reference. Wells' adjustable book and paper rack for office, study, library, etc. Wells' adjustable partition holder. Wells' date indexing system for diaries, bank ticklers, bills payable books, etc.                  |               |
| 119. Rubel Bros., Chicago. Account books and system of accounts.   | Gal. F-9 561  | 130. Western Coated Paper & Card Company, Chicago. Coated papers.   | Gal. F-14 559 |
| 120. Safeguard Account Company, Chicago. Account books and system of book-keeping.   | Gal. F-9 561  | 131. Western Paper Bag Company, Batavia, Ill. Paper bags and paper.   | Gal. F-9 558  |
| 121. Scott Paper Company, Philadelphia. Toilet paper and fixtures.   | Gal. F-12 558 | Manufacturers of all descriptions of paper bags and manila papers. Mills at Batavia, Ill., and Appleton, Combined Locks and Kaukauna, Wis. Capacity, seventy tons of paper and three million bags daily.  |               |
| 122. Shattuck Pen Co., New York. Gold pens, hard rubber fountain pen holders, and stationery specialties.  | Gal. F-5 564  | 132. Weston, Byron, Dalton, Mass. Ledger and record paper.  | Gal. F-10 560 |
| The famous Shattuck automatic triple gravity feed fountain pen. Warranted.   |               | 132a. Weston Paper & Manufacturing Co., Dayton, Ohio. Roll paper, cutters and holders.  | Gal. F-9 558  |
| 123. Shepard, Henry O., Co., Chicago. Blank books, cards, printed books, etc.  | Gal. F-5 561  | Sells to E. B. Weston & Co., Mfrs. Climax and Columbia cutters, Nickel and Japan.   |               |
| 124. Smith Premier Typewriter Company, Chicago. Typewriters and supplies.  | Gal. F-2 564  | 133. Whiting Paper Company, New York. Paper, envelopes, visiting cards, etc.  | Gal. F-8 560  |
| 125. Smith, The S. T., Co., New York. Typewriter supplies.   | Gal. F-8 564  | 133a. Williams' Typewriter Co., Brooklyn, N. Y. Typewriter, punches and perforators.  | Gal. F-5 564  |
| Inked ribbons in all colors for all typewriting machines; carbon, manifold and typewriter linen papers; Keating's type-cleaning brush, inked pads for Yost and other pad machines. General supplies for stenographers, railroad train books and manifold train orders for all railroads. |               | 133b. Williston, A. Lyman, Northampton, Mass. Indelible inks.   | Gal. F-12 564 |
| 126. Standard Paint Company, New York. Insulating and waterproof papers.   | Gal. F-14 557 | "Payson's Indelible Ink" for marking linen with any pen. Established 1834. The oldest and best. Export solicited.   |               |
| 127. Thompson & Norris Co., Brooklyn, N. Y. Bottle packing. Cork and corrugated paper goods.   | Gal. F-8 557  | 134. Wirt, Paul E., Bloomsburg, Pa. Fountain pens.  | Gal. F-5 564  |

## Furniture of Interiors, Upholstery, and Artistic Decorations.

- | Exhibit No.  | Class'n No.  |
|--|--------------|
| 135. Wyckoff, Seamans & Benedict, New York. Typewriters and appurtenances. | Gal. F-2 564 |

The Remington Standard Typewriter is the official writing machine of the World's Columbian Exposition. It is the oldest in name and newest in improvements. Sales, over 100 machines daily. Arranged for English, French, German, Russian, Spanish, Swedish, etc., etc.

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|---|--------------|
| 136. Yost Writing Machine Company, New York. Typewriters. | Gal. F-2 564 |
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## GROUP 90.

## Furniture of Interiors, Upholstery and Artistic Decorations.

Exhibits in this group are installed in Section N, Blocks 1, 2 and 3; Section O, Block 2, Section P, Block 2, and Section Q, Block 1, and Gallery F and G.

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|--|---------|
| 138. Adams & Westlake Co., Chicago. Brass bedsteads. | N-2 565 |
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| 139. American Saloon Fixture Company, Chicago. Saloon furniture. Makers saloon fixtures. Office, 184-186 Washington St. Branch house, St. Louis, Mo. | Q-1 566 |
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|--|---------|
| 140a. Andrews, A. H., & Co., Chicago. a Folding beds, chairs and school apparatus. | P-2 565 |
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|------------------------------|-----|
| b Office and bank furniture. | 572 |
|------------------------------|-----|
- Workers in wood and metals. Office desks. See fittings in Chemical National Bank in Administration Building made by this company, who lead in this line. They also make a specialty of weightless folding beds, metal chairs for desks, typewriters and piano use. Also all kinds of school supplies, etc.

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|---|---------|
| 142. Berkey & Gay Furniture Co., Grand Rapids, Mich. Suites of furniture. | Q-1 567 |
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| 143. Boughton, John W., Philadelphia. Parquet floors, fret and grill work. | Q-1 571 |
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| 144. Brunswick - Balke - Collender Company, Chicago. Furniture for club, billiard and bar-rooms. | Q-1 572 |
|--|---------|

Billiard and pool tables, bar fixtures, refrigerators and cooling rooms. We manufacture bank and office fixtures and interior hardwood finish of every description. Chicago salesrooms, 263 & 265 Wabash Ave. Also New York, Cincinnati and all principal cities in the United States.

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| 145. Buffalo Brass & Iron Bedstead Co., Buffalo, N. Y. Brass and iron bedsteads. | N-2 565 |
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- | Exhibit No.                                       | Class'n No. |
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| 146. Buxbaum, Leopold, Chicago. Restaurant table. | Q-1 566     |

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| 147. Central Manufacturing Company, Chicago. Office furniture. | O-2 566 |
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| 148. Child, Geo. F., Chair Co., Chicago. Adjustable chairs. | O-2 565 |
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| 150. Clark, E. B., & Co., Chicago. Mouldings and picture frames. | O-2 566 |
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| Framed pictures for department stores. |  |
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| 151. Dean & Co., Chicago. Bamboo furniture. | Q-1 567 |
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| 152. Demme & Dierkes Furniture Co., Chicago. Chamber suites. | O-2 567 |
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We have the largest and best equipped furniture factory in the world. "Capacity," a chamber suite and folding bed every two minutes.

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| 153. Derby & Kilmer Desk Co., Boston. Office furniture. | P-2 566 |
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| 154. Dibblee, Henry Company, Chicago. Furniture, mantels and decorations. | N-2 573 |
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| 155. Drake Company, St. Paul, Minn. Petrified wood bric-a-brac. | Q-1 573 |
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| 155a. Dunfee, J., Chicago. Wood carvings. | Gal. G-13 571 |
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| 156. Ehman & Simon Manufacturing Co., Chicago. Wood mantels and interior finishing. | P-2 570 |
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| Factory corner Elizabeth and Fulton sts. Sample room C, 307 Wabash ave. |  |
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| 156a. Feige Desk Co., Saginaw, Mich. Desks. | Q-1 566 |
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| 156b. Ford, J. S., Johnson & Co., Chicago. Furniture. | P-2 565 |
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| 156c. Frost Veneer Seating Co., Chicago. Furniture, wainscoting, etc. | O-2 570 |
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| 157. Garden City Billiard Table Company, Chicago. Billiard tables, cues, balls, etc. | P-2 566 |
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| 158. Gendron Iron Wheel Company, Toledo, Ohio. Reed furniture and bamboo novelties. | Q-1 565 |
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| 158a. Genach & Hartmann, Chicago. Carved furniture. | P-2 566 |
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| 158b. Grand Rapids Furniture Manufacturers' Collective Exhibit, Grand Rapids, Mich. | O-2 |
|---|-----|

1. Berkey, W. A., Furniture Co.
2. Goshen Sweeper Co.
3. Grand Rapids Brass Co.
4. Grand Rapids Chair Co.
5. Grand Lodge Chair Co.
6. Gunn Folding Bed Co.
7. Kent Furniture Manufacturing Co.
8. Nelson, Matter & Co.
9. New England Furniture Co.
10. Royal Furniture Co.
11. Sligh Furniture Co.

## Furniture of Interiors, Upholstery, and Artistic Decorations.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
12. Stow & Davis Furniture Co.		9. Laycock, T. B., Manufacturing Co. Children's beds and springs.	565
13. Stickley Bros. Co.		10. Ott, L. W., Manufacturing Co. Turkish couch.	565
14. Sweet M. L.		11. Stechhan, Otto, & Co. Bed lounges.	565
15. Welch Folding Bed Co.			
16. Valley City Rattan Co.		169. Jansen, Ed., New York. Interior decorations.	N-2 572
17. Widdicomb Furniture Co.		New wall and ceiling decorations, transoms, etc. Decorated reed and raffia furniture, baskets, etc. 124 W. 19th St.	
161. Hamline, L. M., & Co., Chicago. Chamber suites.	O-2 567	170. Kane, Thos., & Co., Chicago. Post-office furniture.	P-2 572
161a. Hartshorn Stewart Company, Chicago. Self-acting shade rollers.	Gal. F-14 568	Opera chairs, church chairs and pews, railroad settees, lawn settees, postoffice furniture and fittings. 139 Wabash Ave.	
Stewart Hartshorn, Pres., original inventor of self-acting spring rollers. This business was started in 1849; incorp. Feb., 1893; cap. stock, \$1,250,000. Large m'fg plants: E. Newark, N. J.; Muskegon, Mich.; Toronto, Can. Offices: N. Y. City and 209 Monroe St., Chicago. Medals from eight world's fairs.		171. Karpen, S., & Bros., Chicago. Parlor furniture.	O-2 567
161b. Henderson-Ames Co., Kalamazoo, Mich. Lodge furniture.	N-1 572	172. Kinnear & Gager Co., Columbus, Ohio. Ceiling and wainscoting.	Q-1. 571
162. Hertz Brothers, New York. Furniture decorations and draperies.	N-2 572	173. Klaber, S., & Co., New York. Mexican onyx and other marble and bronze ornamentations.	N-2 572
Architectural woodworkers and designers. Estimates made on artistic cabinet work for private residences from original designs or from architects' plans. Have always in stock finest examples of work in all the latest styles at their warerooms, Broadway and 20th street, New York City.		Chimney pieces, pedestals, tables, lamps, etc., in Mexican onyx and other rich marbles and bronze. Interior decorations in marble. Address 47 West 42d St., New York.	
163. Horn Bros. Manufacturing Company, Chicago. Chamber suites, sideboards and chiffoniers.	O-2 567	175. Kochs, Theo. A., Chicago. Barbers' supplies.	P-2 572
164. Hornung Manufacturing Company, Chicago. Barber shop fittings.	P-2 572	176. Lewis, P. C., Manufacturing Co., Catskill, N. Y. Reclining chairs.	O-2 565
165. Hunsinger, Geo., & Son, New York. Chairs, sofas and tables.	Q-1. 565	178. Marks Adjustable Folding Chair Company, Chicago. Folding chairs.	P-2 565
Chairs of all descriptions, novel construction, bound with steel rods concealed. Tables with four or more independent chairs forming part of table when closed.		Manufacturers of adjustable, reclining and folding chairs, library and invalid supplies and rolling chairs.	
167. Indianapolis, Ind., Unified Furniture Exhibit, composed of the following firms:	O-2	179. Meriden Curtain Fixture Co., Meriden, Conn. Window shade fixtures.	Gal. F-14 568
1. Blacklege, John W. Display cases.	567	180. Metropolitan Air Goods Company, Boston. Air mattresses, cushions and life-saving goods.	Gal. F-12 565
2. Cabinet Makers' Union. Extension table.	566	181. Midland Desk Manufacturing Company, Chicago. Office desks.	P-2 566
3. Central Chair Co. Rocking and dining-room chairs.	565	182. National Wall Paper Co., New York.	
4. Huey, M. S., & Son. Mantels.	570	a Wall papers.	N-3 572
5. Indianapolis Cabinet Co. Desks.	566	b Shade rollers.	Gal. F 568
6. Indianapolis Cabinet Makers' Union. Extension table.	566	Manufacturers of all grades of wall papers, Lincrusta-Walton and shade rollers. Exhibitors of this company for competition:	
7. Krause-Kramer Manufacturing Co. Duplex mirror and couch.	567	H. Bartholomae & Co.	
8. Lauter, H. Center and library tables.	568	Fr. Beck & Co.	
		Robert Graves Co.	
		Nevius & Haviland.	
		Warren, Fuller & Co.	
		Executive offices, No. 1286 Broadway, N. Y.	

## Furniture of Interiors, Upholstery, and Artistic Decorations.

Exhibit No.	Class'n No.
183. New Haven Chair Company, New Haven, Conn. Chairs.	P-2 565
The largest manufacturers in the United States of fancy folding and rolling chairs, bath cabinets, etc. Our rolling chairs are used in the U. S. Government hospitals.	
184. Nevius & Haviland, New York. Spring shade rollers.	Gal. F-14 568
Manufacturers of "Efficient" Automatic Spring Shade Rollers. Branch of National Wall Paper Co. Capital stock, \$30,000,000. Factory, Vergennes, Vt. Offices, 500 West 42d St., New York; 184 Wabash Ave., Chicago, Ill.; Philadelphia, Pa., Pittsburg, Pa. Proprietors of the patent "Efficient" bracket.	
185. Olsen, O. C. S., & Co., Chicago. Desks and combination bed.	O-2 567
187. Passow, Chas., & Sons, Chicago. Bar and billiard-room fixtures, etc.	Q-1 572
188. Peterson, A., & Co., Chicago. Desks.	Q-1 566
189. Phillipson, Emil, Chicago. Artistic decorations.	P-2 572
190. Plimpton, H. R., & Co., Boston. Sofas and bed lounges.	Q-1 565
The Plimpton sofa beds are unquestionably the finest and best in the world, having many features of merit not to be found in any other make. Send for catalogue.	
192. Richter, August F., Chicago. Mirrors, picture frames and mouldings.	O-2 569
193. Reuhl Moulding Manufacturing Company, Cincinnati. Picture frames and picture frame mouldings.	N-2 569
194. Rockford, Ill., Unified Furniture Exhibit, composed of the following firms:	O-2
1. American Furniture Co. Sideboards.	567
2. Central Furniture Co. Hall chairs.	565
3. Excelsior Furniture Co. Parlor chairs.	565
4. Forest City Furniture Co. Hall trees.	567
5. Illinois Chair Co. Dining-room chairs.	565
6. Mechanics Furniture Co. Music cabinet.	566
7. Palace Folding Bed Co. Folding beds.	567
8. People's Mantel & Furniture Co. Mantels.	570
9. Rockford Cabinet Co. Parlor mantel and chevals.	570
10. Rockford Chair & Furniture Co. Parlor cabinet.	566

Exhibit No.	Class'n No.
11. Rockford Co-operative Co. Conversation chair.	565
12. Rockford Desk & Furniture Co. Parlor table.	566
13. Rockford Folding Bed Co. Folding bed.	567
14. Rockford Mantel & Furniture Co. Hall mantel.	570
15. Rockford Standard Furniture Co. China closet.	567
16. Rockford Union Furniture Co. Sideboards.	568
17. Royal Mantel & Furniture Co. Dining room mantel.	570
18. Scandia Furniture Co. Dining room tables.	570
19. Star Furniture Co. Chiffoniers.	570
20. West End Furniture Co. Larders.	570
195. Rothschild's, R., Sons Co., Cincinnati. Bar-room equipments.	Q-1 572
195a. Royal Furniture Co., Grand Rapids, Mich. Miscellaneous cabinet ware.	Q-1 566
196. Sanguinetti, Percy A., Chicago. Folding beds.	N-2 565
196a. Sargent Manufacturing Co., Michigan. a Reclining chairs. b Revolving bookcases.	O-2 565
197. Schlesinger, Wiessner & Co., South Brooklyn, N. Y. Metallic beds, steel furniture, etc.	N-2 565
198. Schwarzwaelder, Wm., & Co., New York. Roll top desks.	P-2 565
200. Sheboygan Chair Company, Sheboygan, Wis. Chairs.	P-2 565
201. Smith, B. & W. B., New York. Office and store furniture.	Q-1 565
Dust tight wall cases and patent dust counter cases with perpendicular sliding doors. Plate glass cases made without molding or frame, forming a glass case without any wood. Cases all shapes in plate glass. We bend our own glass. We make to order only. Correspondence solicited.	
201a. Sprague, Smith & Co., Chicago. a Hat racks, etc. b Mantels.	O-2 565
202. Steinman, L. E., Co., Chicago. Folding beds.	O-2 565
203. Sypher & Co., New York. Tapestry souvenirs of Emperor Napoleon I, etc.	Gal. G-14 565
203a. Tiffany Glass & Decorating Co., New York. a Chairs. b Tables.	N-1 565

## Furniture, Upholstery, Ceramics and Mosaics.

Exhibit No.	Class'n No.	
c Suits of furniture.	567	
d Upholsteries.	568	
e Mirrors.	569	
f Mantels.	570	
g Artistic furnishings.	572	
h Embroideries.	573	
23b. Tiffany & Co., New York. Boudoir mirror and hand mirrors.	N-1	569
24. Wemple, Jay C., Co., Chicago. Window shades and shade rollers.	Gal. F-14	568
25. Wenter Co., The F., Chicago. Hat-racks, china closets and cabinets.	O-2	566
Salesroom, 302 Wabash ave., 4th floor.		
26. Whitcomb Metallic Bedstead Company, Birmingham, Conn. Brass and iron beds and mattresses.	N-2	565
26a. White, F. E., Cactus Manufacturing Co., Phoenix, Ariz.	O-1	
a Miscellaneous cactus goods.	566	
b Furniture and veneers.	567	
c Frames, etc.	569	
26b. Wilmau, Simon, Simons, Ill. Mirrors.	O-2	569
27. Windsor Folding Bed Company, Chicago. Folding beds, tables, chairs, etc.	P-2	565

## GROUP 91.

## Ceramics and Mosaics.

Exhibits in this group are installed in sections H, O and N and Gallery F.

7a. Alabastine Co., Grand Rapids, Mich. Alabastine.	Gal. F-1	579
8a. Brown & Eberhardt, Philadelphia. China bric-a-brac, statuary, etc.	H-1	576
9a. Caretti, J., & Co., Chicago. Roman mosaics.	H-1	580
oman marble mosaic, 292 Michigan Street.		
6. Celoden Terra Cotta Company, Alfred Centre, New York. Terra cotta tiles.	H-1	574
3. Fiske, Holmes & Co., Boston. Bricks and terra cotta.	H-1	574
4. Galloway, Wm., Philadelphia. Ornamental terra cotta and decoration.	H-1	574
12. Graham Pressed Concrete Co., Chicago. Manufactured stone.	H-1	574
1. Healey, M. & E., Washington, D. C. Decorated china and chryso-ceramics.	O-1	576
is exhibit will be found in the gold and silverware, plate group No. 97. The gold		

Exhibit No.	Class'n No.	
used in this china decoration is warranted pure, very durable, retains its luster and quality, and is easily cleaned.		
227. Hydraulic-Press Brick Co., St. Louis. Collective exhibit of pressed brick.	H-1	574
1. Chicago Hydraulic-Press Brick Co., Chicago.		
2. Eastern Hydraulic-Press Brick Co., Philadelphia.		
3. Findlay Hydraulic-Press Brick Co., Findlay, O.		
4. Hydraulic-Press Brick Co., St. Louis.		
5. Illinois Hydraulic-Press Brick Co., Collinsville, Ill.		
6. Kansas City Hydraulic-Press Brick Co., Kansas City, Kas.		
7. Northern Hydraulic-Press Brick Co., Minneapolis, Minn.		
8. Omaha Hydraulic-Press Brick Co., Omaha, Neb.		
9. Washington Hydraulic-Press Brick Co., Washington, D. C.		
227a. Lawton Brick & Tile Co., Chicago. a Bricks.	H-1	574
b Tiles.		578
227b. Low Art Tile Co., Chelsea, Mass. Art tiles.	H-3	578
227c. Marazzo Marble Co., Chicago. Imitation marble.	H-2	574
236. Northwestern Terra Cotta Company, Chicago. Terra cotta.	H-1	574
241. Pioneer Fire Proof Construction Company, Chicago. Fire clay and terra cotta fire proofing.	H-1	574
Patentees, manufacturers and contractors. Every description of hollow, solid and porous tile for fire-proofing buildings. Contracts taken in all parts of the United States. Factories: Ottawa, Ill., and St. Paul, Minn.		
244. Rookwood Pottery Company, Cincinnati. Artistic pottery.	N-1	575
Decorative faience and mural decorations in underglaze. Gold medal Paris, 1889.		
246a. Tiffany Glass & Decorating Co., New York. a Tiles.	N-1	578
b Decorations		579
c Mosaics.		580
247. Tiffany Pressed Brick Company, Chicago. Brick and roofing tiles.	H-1	574
248. United States Potters' Association. Collective exhibit. (See special page.)		
249a. Zallee, John C., Chicago. Fire and water-proof roofs.	H-3	574

## Monuments, Enamels, Glass and Glassware.

## GROUP 92.

Marble, Stone and Metal Monuments, Mausoleums, Mantels, etc. Caskets, Coffins and Undertakers' Furnishing Goods.

Exhibits in this group are installed in Sections H, Block 2, and N, Block 1.

Exhibit No.	Class'n No.
250. Barre Manufacturing Company, Barre, Vt.	

a Granite monuments.	581
b Granite fountains.	582
c Granite mantels, etc.	583

251. Bowers, R. C., Granite Company, Montpelier, Vt. Monuments. 581

254. Granite Manufacturers' Association of Quincy, Mass. Granite monuments and artistic memorials. 581

258. Tiffany Glass & Decorating Co., New York.

a Marble monuments.	N-1	581
b Marble ornaments.		582
c Marble mantels.		583

259. Vermont Marble Company, Proctor, Vt. Rough and manufactured marble. 581  
The largest producers in the world of monumental and building marble. Branches, Boston, New York, Philadelphia, Cleveland, Detroit, Chicago, St. Louis, San Francisco.

## GROUP 93.

## Art Metal Work—Enamels, Etc.

Exhibits in this group are installed in Sections G, Block 3, H, Blocks 1 & 2 and N, Block 1.

262. American Bronze Company, Chicago. Bronze statues and castings. H-1 585

262a. Gorham Manufacturing Co., Providence, R. I.

a Bronzes.	N-1	585
b Repousse and chiseled work, cloisonne enamels.		586

263. Monumental Bronze Company, Bridgeport, Conn. Monuments, statuary, medallions, busts, etc. G-3 585

264. Nicholas Mueller Art Bronze Company, New York. Bronze and electro-bronze statuettes. G-3 585

265. Power, Maurice J. New York. Bronze statuary. H-2 585

266. Tiffany Glass and Decorating Co., New York. Art metal work, bronzes, bas-reliefs, forgings, repousse and chiseled work. N-1 585

Exhibit No.

266a. Tiffany & Co., New York.  
a Art metal work, engraved iron, etc. N-1 585

b Cloisonne enamels. 586

c Champ leve enamels. 587

d Niello work. 588

267. Western White Bronze Company, Des Moines, Ia. Monuments, statuary, busts, medallions, etc. G-3 586

## GROUP 94.

## Glass and Glassware.

Exhibits in this group are installed in Sections H, Block 1, N, Block 1, and Gallery F, Blocks 1 and 13.

267a. Androvette, Geo. E., & Co., Chicago. Cut glass ware. Gal. F-13 589

268. Diamond Plate Glass Company, Kokomo, Ind. Plate glass. H-1 589

268a. Gorham Manufacturing Co., Providence, R. I. Cut glass for table and ornamental purposes. N-1 589

269. Hicks, F. M., & Co., Chicago. Flint skylight and ornamental work in iron and glass. Gal. F-1 589

269a. Hoare, J., & Co., Corning, N. Y. Cut, engraved and rock crystal cutting. N-1 589

270. Libby Glass Co., Toledo, Ohio. Glassware. H-1 589

271. Macbeth, Geo. A., Co., Pittsburgh, Pa. Optical and lamp glasses. H-1 589

271a. Prugh, Conroy & Co., Allegheny, Pa. Mirrors. H-1 589

272. Straus, L. & Sons, New York. a Cut glassware. H-1 589

b Fancy glassware.

Manufacturers and importers of glass and pottery. The largest house in the world. Factories as follows: Cut glassware, New York City.

French china, Limoges, France.

Art pottery, Rudolstadt, Thuringia.

Bohemian glassware, Steinschönau, Bohemia.

Bohemian china, Carlsbad, Bohemia.

Paris office, Avenue de l'Opera.

272a. Success Ornamental Glass Co., Chicago. a Plate and beveled glass. H-1 589

b Enameled glass.

272b. Tiffany Glass & Decorating Co., New York. a Opax glass. N-1 589

b Glass mosaics, etc.

272c. Tiffany & Co., New York. Liqueur bottles, glasses and flasks of silver mounted. N-1 589

## Stained Glass, Carvings, Gold and Silverware, Plate, Etc.

Exhibit No.	Class'n No.
271. U. S. Glass Co., Pittsburg, Pa. Glassware.	H-1 591
272. Wire Glass Company, Philadelphia. Wire glass.	H-1 591
273. Zihlmann Glass Co., North Baltimore, Ohio. Fine blown glassware.	H-1 590

## GROUP 95.

## Stained Glass in Decoration.

Exhibits in this group are installed in Sections N, Block I, H, Block I and Gallery, Section F.

274. Androvette, Geo. E., & Co., Chicago. Decorative glass. Gal. F-13 596
- Domestic and ecclesiastical glass workers. Memorial windows, brasses, etc. Beveled plate glass set in copper frame.
275. Continental Stained Glass Works, Boston. Stained glass. Gal. F-10 596
276. Flanagan & Biedenweg, Chicago. Art glass. Gal. F-13 596
- For private residences, churches and public buildings. Owners and manufacturers of "Henderson's Patent" adjustable metallic sash in all kinds of metal, for all purposes in glass and fancy beveled mirror work; also beveled, mitred, cut, sand blast, embossed and ground glass.
- 276a. Gorham Manufacturing Co., Providence, R. I. Ecclesiastical stained glass work. N-1 597
277. Healey & Millett, Chicago: Stained glass. Gal. F-9 596
280. McCully & Miles, Chicago. Stained glass windows and interior decoration. Gal. F-9&13 596
- Every description of stained glass work for residences and churches. Memorial figure windows. Beveled glass of every variety. Mosaics in glass. Interior decorations in rustic and modern designs. Imported and domestic wall paper.
281. Rawson & Evans, Chicago. Sand-blast and ornamental glass. Gal. F-9 596
- Specialties: Fine chipped glass and crystalline plate glass signs. Own patents.
282. Reith, Wm., Philadelphia. Art stained glass. Gal. F-10 596
283. Seuss Ornamental Glass Co., Chicago. Stained glass. H-1 596
284. Tiffany Glass & Decorating Co., New York.
- a Domestic stained glass. N-1 596
  - b Ecclesiastical stained glass. 597
284. Wells Glass Company, Chicago. Art stained and ornamental glass. Gal. F-10&13 596

## GROUP 96.

## Carvings in Various Materials.

Exhibits in this group are installed in Sections N, Block 1, and P, Block 2

- | Exhibit No.                                    | Class'n No. |
|--|-------------|
| 285. Lund, Rud, Knoxville, Tenn. Wood carving. | P-2 598     |
| Subject, World's Fair, Greek structure.        |             |
| 286. Tiffany Glass & Decorating Co., New York. |             |
| a Wood carving.                                | N-1 598     |
| b Ivory carving.                               | 599         |
| c Engraved glass.                              | 602         |
| 287. Tiffany & Co., New York.                  |             |
| a Ivory carving.                               | N-1 599     |
| b Metal carving and chiseling.                 | 601         |
| c Sculptured glass.                            | 608         |

## GROUP 97.

## Gold and Silverware, Plate, etc.

Exhibits in this group are installed in Section N, Block 1, with one exception.

292. Benziger Bros., Chicago. Catholic church supplies. N-1 604
- Also New York and Cincinnati. Publishers and booksellers. Gold and silversmiths. Art embroidery and regalia. Sole agents for U. S. for the celebrated religious statues of Froc Robert, Paris (H. Poirer, successor), and "The Royal Bavarian Art Institute," for stained glass, F. X. Zettler, Munich.
294. Diepenbrock & Uchtman, New York. Church vestments; flags and banners. N-1 604
295. Dirksen, G., Silver Filigree Manufacturing Company, Freeport, Ill. Silver filigree goods. N-1 607
297. Gorham Manufacturing Co., Providence, R. I. N-1
- a Silver ware for decorative purposes, the Columbus statue, etc. 604
  - b Silver table ware. 605
  - c Silver knives, forks and spoons. 606
  - d Fancy bonbon and other spoons, miscellaneous fancy articles in silver. 607
  - e Ware of mixed metals, inlaid and incrustured ware. 608
  - f Plated ware on white metal. 609
298. Henderson-Ames Co., Kalamazoo, Mich. Swords, regalia, lodge jewels, etc. N-1 604
299. Holmes & Edwards Silver Co., Bridgeport, Conn. Silver plated ware. N-1 609
- Sterling silver inlaid spoons and forks, guaranteed 25 years. Gold and silver

## Gold and Silverware, Plate, Jewelry, and Ornaments.

**Exhibit No.** **Class'n No.**  
 plated table flatware. Salesrooms, 65 Washington St., Chicago, and 2 Maiden Lane, New York.

**300. Manhattan Silver Plate Company,** Lyons, N. Y. Gold and silver-plated hollowware. N-1 609

**301. Meriden Britannia Company, Meriden, Conn.** Silver plated ware. N-1 609  
 Sole manufacturers of the celebrated 1847 Rogers Bros.' knives, forks, spoons, etc. Western sales room 147 State St., Chicago. A. L. Sercomb, Manager.

**302. Mermod & Jaccard Jewelry Co., St. Louis.**

*a* Silverwares. O-1 604  
*b* Diamond jewelry. 613

Section O, Block 1. This "Gem" of the Columbian Exposition magnificently idealizes "Saint Louis" (Louis IX) and Louis Quinze (Louis XV), the city being named after Louis IX, and founded during the renowned period of French Art under Louis XV. Diamond setters, watch and clock makers, manufacturing gold and silver-smiths, importers of art potteries, fine dinner wares, bronzes and music boxes. "Lowest priced house in America for fine goods."

**303. Messmer Company, Andrew, Cincinnati.** Church ornaments, altar decorations, etc. N-1 604

**304. Pairpoint M'fg Co., New Bedford, Mass.** Silver plated ware. N-1 609  
 Western salesroom 224 Washab Ave., Chicago. - G. J. Corey, manager. World's Fair visitors invited.

**305. Rogers, Wm., Manufacturing Company, Hartford, Conn.** Silver, gold and silver plated ware. N-1 605

Knives, forks, spoons, table cutlery. Sterling silver, German silver, nickel silver, hollowware, hard metal, and Britannia. Factories: Hartford, Norwich, Conn.; Taunton, Mass.

**306. Rogers & Bro., Waterbury, Conn.** Silver plated ware. N-1 609

The original and genuine "Rogers" knives, forks, spoons, etc., made for the past half century by Rogers & Bro., Waterbury, Conn. Brand, \*Rogers & Bro. A1. Triple plate, warranted for 25 years. Beware of imitations of this brand and copies of our designs. Sold by the best dealers everywhere.

**307. Tiffany & Co., New York.**

*a* Gold and silver ware, the Magnolia vase, collection of yachting trophies, etc. N-1 604

*b* Silver table ware, plates, salvers, turcens, bowls, baskets, candelabra, epergnes, etc. 605

**Exhibit No.** **Class'n No.**

*c* Silver knives, forks and spoons. 606

*d* Fancy bonbon and other spoons, snuff boxes, match boxes, case heads, handles, chatelaines, etc. 607

*e* Ware of mixed metals, Mokume ware, inlaid and incrustured ware. 608

*f* Plated ware on white metal. 609

Silver plated ware, cutlery, wares of mixed metals, minerals, precious stones, cut and uncut, clocks, fine leather goods, stationery, copper plate engraving, fancy articles of gold, silver, bronze, ivory, enamel, etc. Grand Prix and Legion of Honor, Paris Exposition, 1878 and 1879.

**308. Tufts, James W., Boston.** Silver plated ware. N-1 610

**309. Whitehead & Hoag, Newark, N. J.** Society goods, fancy novelties, etc. N-1 604

**310. Wymble Manufacturing Company, Newark, N. J.** Silverware N-1 605

## GROUP 98.

## Jewelry and Ornaments.

Exhibits in this group are installed in Section N, Block 1, and Section O, Block 1.

**313. Bell & Barber, New York.** Jewelry and ornaments. N-1 612-16

**316. Browns Amber M'fg Co., New York.** Amber products. N-1 611

**317. Canini, J. A., Saratoga Springs, N. Y.** Jewelry. N-1 612

**320. Corbin, D. R., New York.** Jewelry. N-1 616

**322. Favre, Leon, New York.** Process of transferring portraits from a photograph on watches, lockets, etc. N-1 613

**326. Gaynor & Washburne, New York.** Interchangeable jewelry. N-1 614

**332. Kent & Stanley Co., Providence, R. I.** Jewelry. O-1 618

Largest manufacturers in the United States of watch chains and jewelry. The display of hundreds of their leading patterns in watch chains, charms, lockets, pins and sterling silver novelties, make this one of the most interesting and artistic exhibits at the Fair.

**333. Muhr's H., Sons, Philadelphia.** Jewelry and thimbles. O-1 618

Crown Trade Mark.

**334. New England Manufacturing Jewelers' Association of Providence, R. I.** Collective Exhibit. (See special page.)

**339. Ostby & Barton, Providence, R. I.** Jewelry. N-1 618

**342. Potter, Wm. K., Providence, R. I.** Tortoise shell combs, jewelry, etc. N-1 614

## Horology, Silk and Silk Fabrics.

Exhibit No.	Class'n No.
345 Reynolds Jewelry Company, Providence, R. I. Plated jewelry. N-1	616
348 Simmons, R. F., & Co., Attleboro, Mass. Jewelry. N-1	612
Makers of world-renowned "R. F. S. & Co." gold filled, rolled gold plated chain. Send for catalogue. N. Y. office, 41 Maiden Lane.	
349 Tiffany Glass & Decorating Co., New York. Onyx ornaments. N-1	614
349a Tiffany & Co., New York.	
a Gold and silver ornaments for the person. N-1	612
b Diamonds and various colored gems, collection of rough, cut and mounted.	613
c Agates, onyx, jasper, etc., ornaments for the person; pearls, natural and mounted.	614

## GROUP 99.

## Horology, Watches, Clocks, Etc.

Exhibits in this group are installed in Section O, Block 1, with two exceptions.

350 American Waltham Watch Company, Waltham, Mass. Watch movements and automatic watch making.	O-1	618
351 Ansonia Clock Company, Chicago. Clocks.		621
352 Bundy Manufacturing Co., Binghamton, N. Y. Automatic time recorders.	O-1	624
361 Keystone Watch Case Company, Philadelphia. Watch cases.	O-1	619
362 Muhr's, H., Sons, Philadelphia. Watch cases.	O-1	619
Makers of crown filled cases		
364 Self-winding Clock Company, New York. Self-winding clocks and method of time distribution by electricity. N-1		621
364a Tiffany & Co., New York.		
a Watches and watch-cases, chronographs. N-1		619
b Clocks; the Globe clock, astronomical clocks, etc.		621
365 Waterbury Watch Company, Waterbury, Conn. Watches and clock. O-1		617
The new quick-winding Waterbury is a high class watch for all the people. It winds in five seconds, is an accurate jeweled time-piece, cased in various elegant designs to suit all tastes; gold filled, coin-silver, and a nickel style. Sold by all jewelers. \$4 to \$15.		

## GROUP 100.

## Silk and Silk Fabrics.

Exhibits in this group are installed in Section O, Block 1, with three exceptions.

Exhibit No.	Class'n No.
366 American Silk Label Company, New York. Woven labels.	632
369 Baum, C. F., Chicago. Dress trimmings.	632
370 Belding Bros. & Co., Chicago.	
a Sewing machine twist	626
b Silks for linings.	626
c Serges, surahs and satins.	628
d Dress silks.	629
e Braids.	632
370a Best, John, & Co., Paterson, N. J. Woven silk pictures, bookmarks, badges.	
Dept. F	629
371 Blumenthal, A. & S., New York. Silk ribbons.	631
372 Brainerd & Armstrong Company, New London, Conn. Silks and machine twist.	626
Salesrooms: Boston, New York, Philadelphia and Baltimore. Factory in New London. In wash silks we lead the world. In every line we make, we aim to excel, whether wash silks, spool silks or fabrics. Our Trade Mark expresses the ideal sought for, "The Best in the World."	
373 Castle Braid Company, New York. Silk and mohair braids.	632
Our assortment of braids has no equal. Samples submitted on application to our New York office, 15 and 17 Mercer St.	
374 Cheney Bros., South Manchester, Conn.	
a Plain woven silks, etc.	628
b Figured silk piece upholstery goods. Gal. G-14	629
c Ribbons	631
d Silk fabrics.	627
Dress silks, printed silks, decorative silks, plush and velvets, upholstery goods, ribbons, spun silks and spun silk fabrics. Salesrooms, 477 Broome St., New York; 79 Chan- cey St., Boston; 186 Franklin St., Chicago.	
375 Cutter, John D., & Co., New York.	
a Spool silk and machine twist.	626
b Plain silks.	626
c Fancy silks.	629
376 Dexter, Lambert & Co., New York.	
a Dress silks.	629
b Ribbons.	631
377 Doherty & Wadsworth, New York.	
a Silk dress goods, surahs.	629
b Silk ribbons.	631
378 Elwood, B. H. & E. E., Fort Plain, N. Y. Broad silks.	629
Salesrooms, 453 & 455 Broome St., N. Y.	

## Silk and Silk Fabrics, Fabrics of Jute and other Vegetable Fibres.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
379. Empire Silk Company, New York.		397. Robertson, William, New York.	
Silk dress goods.	629	curtains and upholstery silks.	630
380. Erskine, John, & Co., Union Hill, N. J.	631	399. Simon, R. & H., Union, N. J.	
Silk ribbons.	631	a Dress silks.	630
381. Griswold Worsted Company, Philadelphia.	625	b Ribbons.	631
Spun silk.	625	400. Skinner, William, Manufacturing Company, Holyoke, Mass.	
382. Hamil & Booth, New York.		a Serges.	630
a Dress silks, brocades	629	b Linings.	630
b Ribbons.	631	c Braids.	631
383. Hitchcock - Meding Manufacturing Company, New York.	Gal. F-14	401. Stearns, John N., New York.	Dress silks.
a Satin, damask, brocates, etc.	628		630
b Dress silks.	629	402. Strange, William, Company, New York.	
c Ribbons and tie silks	631	a Serges.	630
384. Jennings Lace Works, New York.		b Dress silks.	630
Laces, gloves, mitts, veils and scarfs.	630	c Linings.	630
385. Johnson, Cowdin & Co., New York.		d Ribbons.	631
Silk ribbons.	631	403. Suro Bros. Braid Company, New York.	Trimming braids.
386. Kayser, Julius, & Co., New York.			632
Silk underwear, gloves, mitts, etc.	630	404. Trevor, William, New York.	Cravats, handkerchiefs, ties, etc.
387. Levy Bros., New York.	Silk ribbons.		630
	631	406. Wahnetah Silk Company, Catasauqua, Pa.	Silk plushes.
387a. Liberty Silk Co., New York.	Dress silks.		630
	629	407. Werner, Itschner & Co., Philadelphia.	
388. McCallum Constable Hosiery Company, Holyoke, Mass.	Silk hosiery.	a Dress goods.	630
	630	b Silk ribbons.	631
389. McLaughlin Braid Company, Paterson, N. J.	Braids.		632
	632		
390. Meisch Manufacturing Company, Paterson, N. J.	Silk ribbons.		631
	631		
391. Meyenberg Corporation, Hoboken, N. J.	Silk fur and tie silk.		628
	628		
392. Nonotuck Silk Company, Chicago.			
a Silks, machine twist.	626		
b Silk underwear, hosiery and mittens.	630		
	632		
c Braids and bindings.	632		
Manufacturers of Corticelli spool silk knitting and crochet silk, fast dye wash silks, machine twist, sewings, button-hole twist, Florence silk underwear, hosiery, mittens, wristers, pure dye silk braids.			
393. Pelgram & Meyer, New York.			
a Dress silks.	629		
b Ribbons.	631		
394. Phoenix Silk Manufacturing Company, Paterson, N. J.			
a Dress silks.	629		
b Handkerchiefs, etc.	630		
c Ribbons, bookmarks, etc.	631		
d Silk braids.	632		
395. Rhenania Mills, College Point, L. I.	Ribbons and silks.		631
	631		
396. Richardson Silk Company, Chicago.			
a Silks.	629		
b Hosiery and mittens.	630		
c Braids.	632		
(a) Silk threads—machine, sewing, knitting, embroidery. (b) Silk hosiery and mittens. (c) Silk and mohair braids.			

## GROUP 101.

## Fabrics of Jute, Ramie and Other Vegetable and Mineral Fibres.

Exhibits in this group are installed in Gallery, Section F, Blocks 12 and 14.

408. Asbestos Specialty Company, Buffalo, N. Y.	Asbestos articles.	
	Gal. F-14	637
409. Blabon, Geo. W., & Co., Philadelphia.	Oil cloth and linoleum.	
	Gal. F-12	638
410. Johns, H. W., Manufacturing Company, New York.	Asbestos materials, woven, spun, felted, etc.	Gal. F-14
		637
	Asbestos roofing, liquid paints, fire-proof paints, roof and floor paints, asbestos steam pipe and boiler coverings, steam packing, coatings, cements, etc.	Asbestos cloths, twine and fabrics, vulcabeston, electrical and mechanical materials, molded mica insulations, etc.
411. Pantasote Leather Company, New York.	Substitute for leather.	
	Gal. F-12	638
412. Potter, Thos., Sons & Co., Philadelphia.	Oil cloth and linoleum.	
	Gal. F-12	638
413. Tannette Manufacturing Company, New York.	Leather imitation for furniture, etc.	Gal. F-12
		638

## Yarns and Woven Goods of Cotton, Linen and other Vegetable Fibres.

## GROUP 102.

Yarns and Woven Goods of Cotton,  
Linen and Other Vegetable Fibres.

Exhibits in this group are installed in Section O, Block 1, except those in P-1, and Gallery F.

- | Exhibit No.   | Class'n No.  |
|---|--------------|
| 414. Aberfoyle Manufacturing Company, Chester, Pa. Cotton fabrics.  | 638          |
| Fine fancy shirtings, zephyrs, gingham and novelties in fine cotton and cotton and silk mixed fabrics, for dress goods and shirtings. New York office, 256 Church st.   |              |
| 415. Allendale Company, North Providence, R. I. Bleached and brown sheetings.   | 638          |
| 416. Amory Manufacturing Company, Manchester, N. H. Bleached and brown cottons.   | 638          |
| John L. Bremer & Co., selling agents, Boston and New York.  |              |
| 417. Amoskeag Manufacturing Company, Manchester, N. H. Gingham, tickings, shirtings, checks, canton flannels.   | 638          |
| 418. Appleton Company, Boston. Elder down, shirtings, flannels, ticks, sheetings, drills.   | 638          |
| 418a. Arlington Mills, Lawrence, Mass. Fine cotton single or twisted, for manufacturers.  | P-1 638      |
| 419. Attawaugan Company, Norwich, Conn. Bleached muslin, shirtmakers' muslin.   | 638          |
| 420. Bailey, John T., & Co., Philadelphia. Cordage, twines, hags, burlaps, etc.   | Gal. F-9 638 |
| 421. Barnaby Manufacturing Company, Fall River, Mass. Zephyr gingham.   | 638          |
| 422. Berlin Print Works, Philadelphia. Cotton fabrics.  | 638          |
| Berlin solid colors, merino and foulard finish, Berlin and Sultan Turkey reds and oil colors. Dress linings all widths and shades. Absolutely fast black satins and brocades, cashmere and merino finish. Selling agents, Wm. Simpson, Sons & Co., Philadelphia, New York, Chicago and Baltimore. |              |
| 22a. Berkeley Co., Providence, R. I. Cambrics, lawns, linings, mulls.   | 638          |
| 23. Binns' Patent Band Company, Philadelphia. Trimmings and upholstery goods.   | 638          |
| 23a. Blackstone Manufacturing Co., Providence R. I. Shirtings and sheetings.  | 638          |
| 24. Cabot Manufacturing Company, Brunswick, Me. Cotton piece goods, gray and bleached.  | 638          |

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 424a. Clarendon Mills, West Boylston, Mass. Crocheted quilts.   | P-1 638     |
| 424b. Clifton Manufacturing Co., Boston. Brown cotton.  | 638         |
| 424c. Claremont Mills, Claremont, N. H. Cotton, wide sheetings.   | P-1 638     |
| 425. Cocheco Manufacturing Company, Dover, N. H. Cotton fabrics.  | 638         |
| 426. Conanicut Mills, Fall River, Mass. Cambric muslins.  | 638         |
| 427. Davol Mills, Fall River, Mass. Bleached muslin.  | 638         |
| 428. Dwight Mills, Chicopee, Mass. Brown, bleached, colored, printed cotton goods.  | 638         |
| 429. Eddystone Manufacturing Company, Philadelphia. Cotton fabrics.   | 638         |
| Printers of Wm. Simpson & Son's mourning, silver gray and fancy prints, alpaca and delaine finish solid blacks, Canton and Brandenburg cloths, fine printed satins, guaranteed aniline black and fast colors. Selling agents, Wm. Simpson, Sons & Co., Phila., New York, Chicago and Baltimore. |             |
| 430. Farwell Mills, Lisbon, Me. Cotton goods, gray and bleached.  | 638         |
| 431. Fisher Manufacturing Company, Fisherville, Mass. Woven cotton goods.   | 638         |
| 432. Forestdale Manufacturing Company, Forestdale, R. I. Cotton goods.  | 638         |
| 433. Garner & Co., New York. Printed cotton piece goods, calicoes, percales, sateens, etc.  | 638         |
| 434. Glasgo Lace Thread Company, Glasgo, Conn. Thread for fancy work.   | 638         |
| 435. Glasgow Company, So. Hadley Falls, Mass. Cotton goods and gingham.   | 638         |
| 436. Globe Yarn Mills, Fall River, Mass. Cotton yarns.  | 638         |
| 437. Great Falls Manufacturing Company, Great Falls, N. H. Brown, bleached, colored, printed cotton goods.  | 638         |
| 438. Greene, S. H., & Sons, Providence, R. I. Cotton goods, calicoes, lawns, sateens, flags and decorations.  | 638         |
| 439. Greenville Manufacturing Company, Smithfield, R. I. Bleached muslins.  | 638         |
| 440. Grosvenor Dale Company, Grosvenor Dale, Conn. Cotton goods, gray and bleached and cotton handkerchiefs.  | 638         |
| 441. Hadley Company, Holyoke, Mass. Cotton yarns and threads.   | 638         |
| 442. Hamlet Mills, Woonsocket, R. I. Shirtmakers' bleached muslin.  | 638         |
| 442a. Hope Co., Providence, R. I. Bleached and gray shirtings of medium grade.  | 638         |

## Yarns and Woven Goods of Cotton, Linen and Other Vegetable Fibres.

- | Exhibit No.                                     | Class'n No. | Exhibit No.                                    | Class'n No. |
|---|-------------|--|-------------|
| 443. Jackson Company, Boston.                   | Cotton      | 458. Nightingale Mills, Putnam, Conn.          | Cotton      |
| sheetings, flannels, etc.                       | 638         | Cotton goods, bleached muslins.                | 638         |
| 444. Kneidler & Co., Philadelphia.              | 638         | 459. Overland Cotton Mills, Denver, Col.       | 638         |
| Woven cotton goods.                             | 638         | Sheetings and flannels.                        | 638         |
| 445. Knight, B. B., & R., Providence,           | 638         | 460. Pacific Mills, Lawrence, Mass.            | Cotton      |
| R. I. Cotton goods.                             | 638         | fabrics, printed and dyed.                     | 638         |
| 446. Knitted Mattress Company, Canton           | 638         | 462. Pemberton Company, Boston.                | Fancy       |
| Junc., Mass. Cotton fabrics. Quilted by         | Gal. F-14   | cotton fabrics, shirtings, toweling, ticking,  | 638         |
| a knitted process.                              | 638         | etc.   | 638         |
| 447. Lancaster Mills, Boston.                   | Ginghams.   | 463. Ponemah Mills, Providence, R. I.          | Fancy       |
| 638   |             | Fancy cotton goods, white and printed.         | 638         |
| 448. Lapham, Enos, Centreville, R. I.           | Cotton      | 464. Powhatan Mills, Putnam, Conn.             | Cotton      |
| goods and bleached muslins.                     | 638         | goods, shirtings and sheeting.                 | 638         |
| 448a. Lonsdale Co., Providence, R. I.           | 638         | 465. Sanford Spinning Company, Fall            | 638         |
| Sheetings, shirtings, cambrics, twills,         | 638         | River, Mass. Cotton yarns.                     | 638         |
| sateens and hollandes.                          | 638         | 466. Slater Cotton Company, Pawtucket,         | 638         |
| Model of Ann and Hope Mill, Lonsdale, R. I.     | 638         | R. I. Cotton goods, bleached muslins.          | 638         |
| 449. Lyman Mills, Holyoke, Mass.                | 638         | 467. Slater, John W., Providence, R. I.        | 638         |
| Brown, bleached, colored, printed cotton        | 638         | Cotton goods.                                  | 638         |
| goods.  | 638         | Mills at Slatersville, R. I. Ginghams, nap-    | 638         |
| 450. Manville Company, Providence, R. I.        | 638         | ped goods, cheviots, shirtings. Selling agents | 638         |
| Cotton piece goods.                             | 538         | O. H. Sampson & Co., N. Y., Boston, Phila.     | 638         |
| Plain and fancy cotton dress goods, fine        | 638         | 467a. Standard Oil Company, Troy, N. Y.        | 638         |
| chambrays, coin and fancy spot curtains,        | 638         | Wicks.   | Dept. E     |
| plain and brocade sateens, novelties in cot-    | 638         | 468. Stark Mills, Manchester, N. H.            | 638         |
| ton goods. Oelbermann, Dommerich & Co.,         | 638         | Cotton goods, sheetings, drillings, duck,      | 638         |
| 67 Worth street, New York, selling agents.      | 638         | bags, etc.                                     | 638         |
| 451. Merrimack Manufacturing Company,           | 638         | 469. Star & Crescent Mills Co., Phila-         | 638         |
| Boston. Printed cotton goods.                   | 638         | delphia. Pile fabrics; cotton and linen        | 638         |
| White goods, shirtings, indigos, tartan reds,   | 638         | toweling.                                      | 638         |
| Columbia chambrays, fancy prints, fast          | 638         | Bath accessories: Turkish towels bleached      | 638         |
| color draperies, challies, llama cloth, satins, | 638         | and unbleached of all grades. Flesh mit,       | 638         |
| corduroy, velveteen. Goods for cap, shirt       | 638         | wash cloths, bath blankets, bath-room rugs.    | 638         |
| and wrapper cutters. Fine yarn fabrics a        | 638         | Turkish robes and slippers for men, women      | 638         |
| specialty. Wheelwright, Eklfledge & Co.         | 638         | and children. Our exhibit (Sec. 29, No. N-     | 638         |
| selling agents, New York, Boston.               | 638         | 50), Machinery Hall, will explain the manu-    | 638         |
| 452. Methuen Company, Boston. Fancy             | 638         | facture, superiority and cheapness.            | 638         |
| cotton fabrics, awning stripes, ticking,        | 638         | 470. Stevens Linen Works, Boston.              | 638         |
| duck, etc.                                      | 638         | Linen crash.                                   | 638         |
| 452a. Monadnock Mills, Claremont, N. H.         | 638         | 471. Thompson, James, & Co., Chicago.          | 638         |
| Marseilles quilts and sheeting. P-1             | 638         | Twines, mosquito nets, buckram and             | 638         |
| 453. Monohansett Manufacturing Com-             | 638         | screen cloth.                                  | 638         |
| pany, Putnam, Conn. Bleached muslin.            | 638         | 472. Thompson, James, & Co., Valley            | 638         |
| 638   |             | Falls, N. Y. Twines, mosquito nets, buck-      | 638         |
| 454. Morse Mills, Putnam, Conn.                 | 638         | ram, etc.                                      | 638         |
| Bleached muslin.                                | 638         | Office and salesroom: 42 Franklin street,      | 638         |
| 455. Nashua Manufacturing Company,              | 638         | New York. Branch salesroom: 221 E. Kin-        | 638         |
| Boston. Cotton flannels, sheetings, brown       | 638         | zie street, Chicago. Specialties: Upholstery,  | 638         |
| and bleached, table feltings, domets, drills,   | 638         | mattress and broom twines.                     | 638         |
| etc.  | 638         | 473. Trion Manufacturing Company, Trion        | 638         |
| 456. Naumkeag Steam Cotton Co., Salem,          | 638         | Factory, Ga. Cotton goods, sheetings,          | 638         |
| Mass. Sateens, cotton goods, bleached           | 638         | shirtings and southern domestics.              | 638         |
| and unbleached.                                 | 638         | 474. Valley Falls Company, Valley Falls,       | 638         |
| John L. Bremer & Co., selling agents, Bos-      | 638         | R. I. Cotton goods, ginghams and wash          | 638         |
| ton and New York.                               | 638         | fabrics.                                       | 638         |
| 457. New York Mills, New York. Cotton           | 638         | 475. Wamsutta Mills, New Bedford,              | 638         |
| goods, white and colored, muslins, jeans,       | 638         | Mass. Sheetings and fine white goods,          | 638         |
| cottonades, camlets, etc.                       | 638         | lawns and nainsooks.                           | 638         |

## Woven and Felted Goods of Wool and Mixtures of Wool.

Exhibit No.	Class'n No.
474. Whittenton Manufacturing Company, Taunton, Mass. Colored cotton fabrics.	638
477. Wilkes-Barre Lace Manufacturing Company, New York. Cotton lace curtains.	638
478. Williamsville Manufacturing Company, Killingly, Conn. Cotton goods, brown and bleached muslins.	638
478a. Willimantic Linen Co. of Hartford, Conn., Willimantic, Conn. Spool cotton. Dept. F.	638
479. Woods, Joseph W., & Son, Boston. Cotton goods.	638
Glenwood works, Medford, Mass.; stores, Chicago, Boston and New York. Colored and printed cotton goods.	

## GROUP 103.

## Woven and Felted Goods of Wool and Mixtures of Wool.

Exhibits in this group are installed in Section P, Block 1, except Classes 646 (upholstery goods) and 649 (carpets), which are installed in Gallery, Sections F and G.

480. Allen, L. L., & Bros., Rochester, N. Y. Fine flannels, dress goods, etc.	645
481. American Loop Fabric Company, Brooklyn, N. Y. Blankets, robes, rugs, etc.	642
Carriage robes, afghans, bed covers, ventilated quilts, crib blankets, upholstery goods, ornamental loop cord fabrics, durable, healthy, luxurious. Fabrics and machinery patented. Control of business for sale by A. J. Jennings, president.	
482. American Mill Company, Rockville, Conn.	
a Woolen goods, kerseys.	641
b Worsted goods, plain and fancy for men's wear.	643
483. Appleton Woolen Mills, Appleton, Wis.	
a Yarns.	640
b Woolen goods, flannels.	641
c Felt goods.	648
Paper-makers' felts a specialty.	
484. Arlington Mills, Lawrence, Mass.	
a Worsted yarns.	640
b Worsted dress goods and coat linings.	643
c Plaids, etc.	641
485. Assabet Manufacturing Co., Maynard, Mass. Fancy flannels, fancy cassimeres and suitings.	641

Exhibit No.	Class'n No.
485a. Auburn Woolen Co., Auburn, N. Y.	
a Overcoatings.	641
b Suitings.	643
486. Ballardvale Mills, Ballardvale, Mass.	
a Woolen yarns.	640
b Fine white flannels.	641
488. Belvidere Woolen Manufacturing Company, Lowell, Mass. Flannels and woolen dress goods.	641
490. Berkeley Woolen Company, Wales, Mass. Fine kerseys and meltons.	641
492. Blackington, S., Woolen Co., North Adams, Mass.	
a Fancy cassimeres, kerseys, meltons and tricots.	641
b Worsted suitings and trouserings.	643
c Cheviots.	644
493. Blackstone Woolen Company, Blackstone, Mass.	
a Cassimeres, fine kerseys.	641
b Worsteds.	643
494. Bound Brook Woolen Mills, Bound Brook, N. J.	
a Overcoatings, cassimeres and cloakings.	641
b Unions.	644
c Cotton warps.	645
495. Broad Brook Company, Broad Brook, Conn.	
a Woolen goods, fancy cassimeres.	641
b Worsted coatings and suitings.	643
496. Burlington Woolen Company, Winoski, Vt. Beavers, fancy cassimeres, black doeskins, kerseys, etc.	641
497. Calumet Woolen Company, Uxbridge, Mass. All wool fancy cassimeres.	641
498. Canoga Woolen Co., Auburn, N. Y. Woolen goods.	641
499. Carleton, E. G., & Sons, Rochdale, Mass. Flannels and woolen goods.	641
500. Capps, J., & Son, Jacksonville, Ill.	
a Cassimeres, broadcloths, flannels and dress goods.	641
b Blankets, Indian robes and carriage robes.	642
c Skirtings.	648
501. Charlottesvillle Woolen Mills, Charlottesville, Va. Woolen wear.	641
H. C. Marchant, P.; C. A. Furbush, V. P.; J. L. Cochran, Treas.; cadet gray and sky blue meltons, doeskins, kerseys. Highest standard of excellence; contract for Exposition guards coat goods; sole m'frs. Fine sky-blue for line officers U. S. A.; our 314 cadet official standard for letter-carrier uniforms.	

## Woven and Felted Goods of Wool and Mixtures of Wool.

Exhibit No.	Class's No.	Exhibit No.	Class's No.
503. City Mills, Company, City Mills, Mass. Felt goods.	648	516. Felwell Bros. & Co., Philadelphia	
"Kensington" brand cloth finish upholstery and embroidery felt and cabinet cloth, made in 250 shades. Specially adapted for desks, tables, counters, millinery, boot linings, piano, saddlery, clothing, shoe, slipper, trimming felt, and for special purposes. Hinman Bros., Agts., New York and Chicago.		a All wool dress goods.	641
504. Clinton Mills Company, Norwich, Conn.		b Worsted dress goods.	642
a All wool dress goods.	641	c Cotton warps.	643
b Cotton warps.	645	517. French & Ward, Stoughton, Mass.	
505. Clinton Worsted Company, Clinton, Mass. Worsted suiting and trouserings.	643	a Blankets.	643
506. Cocheco Woolen Manufacturing Company, East Rochester, N. H. Woolen goods and flannels.	641	b Eiderdown flannels.	645
508. Connor Bros., Holyoke, Mass.		c Knit goods and hosiery.	646
a Beavers, cassimeres and other woolen goods.	641	518. George's River Mills, Warren, Me.	
b Worsted suitings.	643	a Dress goods.	641
509. Cranston Worsted Mills, Bristol, R. I. Worsted yarns.	640	b Cheviots.	644
510. Devonshire Mills, Goff's Falls, N. H. All wool dress goods.	641	519. Germania Mills, Holyoke, Mass.	
511. Dolan, Thomas, & Co., Philadelphia.		Beavers, kerseys, fancy cassimeres, overcoatings and cloakings.	641
a Woolens.	641	520. Glendale Woolen Mills, Glendale, R. I. Fancy cassimeres.	641
b Worsteds.	643	521. Globe Woolen Co., Utica, N. Y.	
c Cloakings.	645	a Beavers, cassimeres.	641
512. Erben, Search & Co., Philadelphia. Yarns.	640	b Worsted coatings and suitings.	643
Woolen, worsted and merino yarns; tops and processed Australian lambs' wool.		522. Gonic Manufacturing Company, Gonic, N. H. Broadcloth dress goods.	641
513. Empire Woolen Mills, Clayville, N. Y.		523. Griswold Worsted Company, Ltd., Darby, Pa. Worsted yarns.	640
a All wool fancy cassimeres and overcoatings.	641	Manufacturers of worsted and spun silk yarns for all purposes. Silk yarns suitable for hosiery, underwear, mittens, upholstery, fabrics, fringes and braid. In the hank, on spools or cones. Warps for flannels, dress goods and seal plushes. Tussah spun cassimere silk yarns, fast colors.	
b Worsted coatings and suitings	643	525. Harris Woolen Company, Woonsocket, R. I. Woolen goods.	641
514. Farr Alpaca Company, Holyoke, Mass.		Manufacturers of E. Harris fine kerseys, meltons, elysians, rattines, carriage cloth, and fancy worsted and wool suitings.	
a Worsted stuffs.	640	526. Hartley, F., Lawrence, Mass. Yarns.	
b Mohair serges.	643	and carbonized wool.	640
c Italian cloths.	645	Carbonized Australian lambs and fleeces; also domestic wool and noils of all grades; perfectly free from acid or any chemical always in stock.	
d Alpacas.	651	528. Hecla Mills, Uxbridge Mass. Woolen goods.	641
515. Fleisher, S. B. & B. W., Philadelphia.		529. Hetzel, Geo. C., & Co., Chester, Pa.	
a Woolen and worsted yarns.	640	a Woolen suitings and coatings.	641
Manufacturers of the renowned brands of Fleisher's German Knitting Worsted, Fleisher's Germantown, Saxony, Shetland, Floss and Spanish, and manufacturers of worsted and woolen yarns for knitters generally.		b Worsted suitings and coatings.	643
b Braids.	647	530. Hockanum Company, Rockville, Conn.	
Manufacturers of celebrated *Star* Fleisher's "61" "Skirt Braid." Highest award at the Centennial Exposition, Philadelphia, 1876.		a Fancy cassimeres.	641
		b Worsted coatings and suitings.	643
		531. Hopkins, T. E., Danielsonville, Conn.	
		Woolen goods.	641
		533. Kiamensi Woolen Company, Stanton, Del. Fancy cassimeres and kerseys.	641
		534. Kimball, H. A., Manton, R. I. Fancy cassimeres.	641
		536. Lucas, B., & Co., Norwich, Conn.	
		a Woolen goods.	641
		b Woolen goods woven on cotton warps.	641

## Woven and Felted Goods of Wool and Mixtures of Wo

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
57. Massachusetts Mohair Plush Company, Philadelphia. Mohair plush, grain-ed plush, Spanish velvets. Gal. F-14	646	550. Norwich Woolen Company, Nor-wich, Conn.	
539. Merrimack Woolen Mills, Dracut, Mass.		a Woolen goods.	641
a Cloakings and dress goods.	641	b Cotton and woolen mixed goods.	644
b Blankets, robes, shawls, etc.	642	c Woolen goods woven on cotton warps.	645
c Cotton and woolen mixed goods.	644	551. Oakes, Thomas, & Co., Broomfield, N. J. Beaver and kersey overcoatings, doeskins, meltons, carriage and uniform cloths.	641
540. Merritt, Geo., & Co., Indianapolis, Ind.		553. Orinoko Mills, Philadelphia. Up-holstery goods and drapery materials. Gal. G-14	646
a Woolen yarns.	640	B. L. Solomon's Sons, 29 Union Square, New York, and 76 Monroe street, Chicago, selling agents. Attention is called to the "Colum-bus" silk tapestry table cover, designed and woven by the Orinoko Mills expressly for this Exposition.	
b Blankets, robes, rugs, shawls, etc.	642	554. Pacific Mills, Lawrence, Mass.	
541. Midland Woolen Mills Co., Denver, Col.		a Wool dress fabrics.	O-1 641
a Underwear.	640	b Worsted dress fabrics.	643
b Blankets.	642	555. Peace Dale M'fg Co., Peace Dale, R. I.	
541. Milner, F., & Co., Moosup, Conn. Fancy cassimeres.	641	a Overcoatings, fancy cassimeres.	641
542. Milwaukee Worsted Cloth Company, Milwaukee, Wis. Fine worsted cloths, etc.	643	b Worsted coatings and suitings, serges for men's and women's wear.	643
543. Mississippi Mills, Wesson, Miss.		Founded 1800. Makers of serges, worsteds of all kinds, also cassimeres, chevots, lin-ings, traveling wraps, rugs and shawls. All our goods are made entirely of wool.	
a Woolen goods.	641	557. Providence Worsted Mills, Provi-dence, R. I.	
b Cotton and woolen mixed goods.	644	a Worsted, genapped and mohair yarns.	640
c Hosiery.	640	b Worsted overcoatings and cloak-ings.	643
Manufacture cassimeres, chevots, meltons, fine jeans, fancy shirtings, dress goods, checks, plaids, cottonades and hosiery. Were awarded gold medals at the following expositions: Philadelphia, 1876, Atlanta, 1881, New Orleans, 1885. Selling agts. O. H. Sampson & Co., Boston, New York, Phila.		558. Racine Woolen Mills, Racine, Wis.	
544. Muncy Woolen Mills Company, Muncy, Pa. Blankets, shawls, etc.	642	a Woolen goods.	641
545. National Worsted Mills, Providence, R. I. Worsted suitings and trouserings.	643	b Blankets, shawls, etc.	642
545. New England Company, Rockville, Conn.		559. Raritan Woolen Mills, Raritan, N. J.	
a Fancy cassimeres.	641	a Fancy cassimeres.	641
b Worsted coatings and suitings.	643	b Chinchillas, overcoating and cloak-ings.	645
546. Niantic Mills Company, East Lyme, Conn.		561. Read Carpet Company, Bridgeport, Conn. Carpets and rugs. Gal. F-14	649
a All wool dress goods.	641	562. Read, William F., Philadelphia. Dress goods, silk warp lansdownes.	641
b Mixed dress goods.	644	564. Rock Manufacturing Company, Rock-ville, Conn.	
548. North Adams Manufacturing Com-pany, North Adams, Mass. Fancy cas-simeres.	641	a Fancy cassimeres.	641
and 64 Worth St., New York. All wool fancy cassimeres, chevots and meltons.		b Worsted coatings and suitings.	643
549. North Star Woolen Mills Company, Minneapolis, Minn.		565. Sanford Mills, Sanford, Me.	
a Flannels.	641	a Kerseys.	641
b Blankets.	642	b Carriage robes, rugs and horse blank-ets.	642
		c Furniture and car plushes, etc.	646

## Woven and Felted goods of Wool and Mixtures of Wool, Clothing and Costumes.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
565a. Saranac Worsted Mills, Providence, R. I.		581. Waterloo Woolen Manufacturing Company, Waterloo, N. Y.	
Worsted suitings, overcoatings and cloakings.	643	a Flannels, carriage cloths.	
566. Sawyer Woolen Mills, Dover, N. H.		b Blankets, shawls, etc.	
a Fancy cassimeres.	641	New York Ag'cy, Patterson & Greenough, Worth St. Mill running consecutively since 1836 on fine all-wool fabrics for men's and women's wear, carriage trimmings; liveries.	
b Worsted suitings.	643	583. Waumbek Company, Milton, Mass.	
567. Saxon Worsted Company, Franklin, Mass.		N. H.	
Fancy worsted.	643	a Fine broadcloths.	
568. Seabastick Woolen Mills, Hartland, Me.		b All wool serges.	
a Fancy cassimeres.	641	585. Weybosset Mills, Providence, R. I.	
b Shawls.	642	a Woolen goods and cassimeres.	
568a. Seymour Woolen Factory Co., Seymour, Ind.		b Fancy worsted suitings.	
a Yarns.	640	585a. Winck, B., & Weed, Philadelphia.	
b Dress flannels.	641	Worsted suitings.	
c Blankets.	642	586. Winthrop Mills Company, Winthrop, Me.	
569. Shuler & Beminghofen, Hamilton, Ohio.		a Blankets, etc.	
a Blankets.	642	b Cotton and woolen, mixed goods.	
b Felt skirts and skirting.	648	587. Woll, P., & Sons, Philadelphia.	
570. Somerset Manufacturing Company, Raritan, N. J.		Curled hair, feathers, fibre and brush.	
a Fancy cassimeres and suitings.	641	Gal. F-14	
b Overcoatings, cloakings, chinchillas.	645	588. Wood, Wm., & Co., Philadelphia.	
572. Springville Company, Rockville, Conn.		a Fancy cassimeres, chevrons.	
a Fancy cassimeres.	641	b Worsted suitings.	
b Worsted coatings and suitings.	643	c Cotton and silk mixed shirtings and dress goods.	
573. Stevens, Charles A., & Co., Ware, Mass.		Pequea Mills manufacture woollens and goods for men's wear in extended variety of fabrics; chevrons, cassimeres and worsted in suitings and choice specialties in trimmings. First premium medal awarded at Centennial Exhibition, Philadelphia. New York, Chicago and Boston offices.	
White flannels.	641	b Fancy cotton goods.	
574. Stirling Mills, Lowell, Mass.		Mount Vernon Mills manufacture fancy cotton shirtings and dress goods in large variety, with specialties in designs.	
Woolens, flannels and dress goods.	641	589. Worumbo Manufacturing Company, Lisbon Falls, Me.	
575. Stott, C. H. & F. H., Stottsville, N. Y.		a Indigo flannels, beavers, melton, kerseys, carriage cloth.	
a Woolen goods.	641	b Chinchillas, flockonees, velours.	
b Woolen goods woven on cotton warps.	645	589a. Yantic Woolen Co., Yantic, Conn.	
576. Talbot Mills, North Billerica, Mass.		Flannels.	
a Woolen goods.	640		
b Dress goods and flannels.	641		
578. Tinkham, Wm., & Co., Harrisville, R. I.			
Fancy worsteds.	643		
579. Titus, Elias, & Sons, Poughkeepsie, N. Y.			
a Woolen goods.	641		
b Cotton and woolen mixed goods.	644		
579a. Wanskuck Mills, Providence, R. I.			
Worsted coatings and cloakings.	643		
580. Washington Mills Company, Lawrence, Mass.			
a Woolen and worsted yarns.	640		
b Overcoatings, cloakings, woolen goods and dress goods.	641		
c Worsted suitings.	643		

## GROUP 104.

## Clothing and Costumes.

Exhibits in this group are installed in Section F, Block 1, N. Block 1, and Sections F and G. The Merchant Tailor exhibit is in a special building.

590. Adler, Jacob, & Co., New York. Gloves. Gal. G-6

## Clothing and Costumes.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
590a. Alden Knitting Mills, New Orleans, La. Wool and cotton hosiery. P-1	657	628. Ederheimer, Stein & Co., Chicago, Clothing. Gal. G-9	652
591. Allen, John C., Gloversville, N. Y. Gloves and mittens. Gal. G-3	657	629. Excelsior Fur & Glove Sewing Machine Co., New York. Sewing machine. Gal. G-5	659
592. Altman Summer Neckwear Company, New York. Summer neckwear. Gal. G-3	658	634. Foster, Paul & Co., New York. Kid gloves. Gal. G-6	657
593. American Hosiery Co., New Britain, Conn. Cotton, woolen, merino and silk full-fashioned hosiery and underwear. P-1	657	637. Gage, Downs Company, Chicago. Corsets, Gal. G-4	653
599. Baum & Ulman, Williamsport, Pa. Suspenders. Gal. G-11	658	638. Glastonbury Knitting Co., Addison, Conn. Men's all-wool and merino underwear. P-1	657
600. Beatty, C. F., New York. Prints of engravings in steel, brass and zinc for buttons. Gal. G-5	654	644. Haley, C. J. & Co., New York: Hose supporters. Gal. G-6	659
601. Bell's, Henry H., Sons, Milton, N. Y. Knit goods, hosiery, etc. P-1	657	644a. Hay & Todd Manufacturing Co., Ypsilanti, Mich: Yarns, tops, noils, knit goods and hosiery. P-1	657
603. Bowers, James, & Co., Newark, N. J. Lock clasps for corsets. Gal. G-6	658	Manufacturers of the famous Ypsilanti combination suits for men, women and children, in wool, cashmere, merino, silk and cotton; also equestrienne tights, sweaters, undershirts, drawers, etc.	
605. Brill Bros., New York. Men's shirts. Gal. G-3	658	649. Haynes, N. B., Company, Chicago. Millinery. Gal. G-3	655
606. Brooklyn Shield Company, Brooklyn, N. Y. Dress shields. Gal. G-6	653	646. Henderson-Ames Co., Kalamazoo, Mich. Regalia. N-1	653
672. Buck, Geo. N., Manufacturing Co., Mattoon, Ill. Hose supporters. Gal. F-1	658	650. Hollander, L. P., & Co., Boston. a Boys' clothing. Gal. G-5	652
69. Canfield Rubber Company, Bridgeport, Conn. Dress shields. Gal. G-6	658	b Ladies' costumes and garments. Gal. G-2	659
72. Cluett, Conn & Co., Chicago. Collars, cuffs and shirts. Gal. G-6	658	c Millinery. Gal. G-11	653
5. Coronet Corset Company, Jackson, Mich. Corsets and waists. Gal. G-7	653	652. Household Sewing Machine Company, Providence, R. I. Sewing machines. Gal. G-2	659
8. Curtis, H. C., & Co., Troy, N. Y. Shirts, collars and cuffs. Gal. G-3	658	654. Hull & Co., Poughkeepsie, N. Y. Trousers. Gal. G-11	653
9. Davis Sewing Machine Company, Chicago. Sewing machines. Gal. G-1	659	From the sheep to the man one profit.	
1. Delsarte Corset Company, New York. Corsets, waists and shoulder braces. Gal. G-4	658	657. Ivorine Collar & Cuff Co., Chicago. Collars and cuffs. Gal. G-3	658
2. Dempster & Place, Gloversville, N. Y. Gloves and mittens. Gal. G-6	657	658. Jaeger's Dr. Sanitary Woolen System Company, New York. Knit goods, hosiery, etc. P-1	657
5th grade fine goods a specialty.		Dr. Jaeger's Sanitary Woolen System Co., 454 Broome street, N. Y., was incorporated in April, 1887, under the laws of the State of N. Y., for the purpose of manufacturing and selling Dr. Jaeger's Sanitary Woolen System goods. The officers are: Hermann Schaeffer, Pres.; Ernest Bengel, Vice-pres. and Treas.	
6. Domestic Sewing Machine Company, Chicago. Sewing machines. Gal. G-2	659	659. Jaros Hygienic Underwear Co., New York. Woolen underwear. P-1	657
7. Dryfoos, L., & Co., New York. Skirts. Gal. G-8	658	"Wool Fleece Knit." Non-shrinkable, non-irritating, prevents chilling by thorough absorption. Slightly and perfect fitting. For men, women and children. Medals, American Inst., '92, Mechanics' Inst., '93.	
Manufacturers of latest novelties in silk, hair, cloth, sateen and quilted skirts. Received only medal Philadelphia, 1876.		662. Knox, E. M., New York. Hats. Gal. G-7	654
Earl Manufacturing Company, Chicago. Hose supporters. Gal. G-3	658	663. Kuh, Nathan & Fischer Co., Chicago. Ready-made clothing. Gal. G-10	652
Infant and hose supporter, invented and manufactured by Sarah J. Schaak.			
Earl & Wilson, New York. Men's collars and cuffs. Gal. G-6	658		

## Clothing and Costumes.

- Exhibit No.** **Class'n No.**
664. **Lehman, Chas. F., Brooklyn, N. Y.**  
Cork helmets. Gal. G-7 654
665. **Lewis Knitting Company, Janesville, Wis.** Woolen underwear, knit goods, hosiery, etc. P-1 657  
Full fashioned underwear. A high grade of Derby ribbed underwear made in combination suits and separate garments for men, women and children, from silk, wool, merino, lisle and balbriggan. All garments regular made, tailor trimmed and made in weights for all seasons.
669. **Mayer, Strouse & Co., New York.**  
Corsets. Gal. G-4 658  
The C/B a la Spirite are the only corsets manufactured in the United States which have received the highest award, the gold medal at Paris Exhibition, 1889.
- 669a. **McFarlan, A., & Co., Amsterdam, N. Y.** Knit goods and hosiery. P-1 657
670. **Midland Woolen Mills Co., Denver, Colo.** Knitted underwear. P-1 657
672. **Millen, E., & Co., New York.** Shirts. Gal. G-3 659
673. **National Knitting Co., Milwaukee, Wis.** All-wool gloves and mittens, heavy hosiery, lumbermen's socks, knit boots. P-1 657
678. **New Albany Hosiery Mills, New Albany, Ind.** Woolen hosiery. P-1 657
679. **New Home Sewing Machine Company, Orange, Mass.** Sewing machines. Gal. G-2 659
681. **Norfolk & New Brunswick Hosiery Co., New Brunswick, N. J.** Woolen, cotton and mixed underwear. P-1 657
682. **Northrup Glove Company, Johnstown, N. Y.** Gloves. Gal. G-6 657
683. **Pottier, Thos., Sons & Co., Philadelphia.** Oil cloth. Gal. F-12 636
684. **Rothschild, E., & Bros., Chicago.** Men's clothing. Gal. G-10 652
693. **Self-Threading Sewing Machine Co., New York.** Sewing machine attachment. Gal. G-5 659  
Patent open-eyed needle and attachment for sewing machines. No threading needle by hand. Thread only in needle while going down through the cloth, therefore avoids wear of thread in eye, and sews with silk floss as easily as other thread. No breaking of needles or thread. Easy tension.
694. **Seybel, F. W., New York.** Ladies' hats. Gal. G-5 655
696. **Siegel Bros., New York.** Ladies' underwear and muslin. Gal. G-3 658
697. **Siegel, F., & Bros., Chicago.** Cloaks. Gal. G-9 653

- Exhibit No.** **Class'n No.**
698. **Singer Manufacturing Company, New York.** Sewing machines. Gal. G-2 659  
For family and manufacturing purposes displayed in Machinery Hall, Manufacture and Liberal Arts, Shoe and Leather Trade Bldgs.; agencies in all countries throughout the civilized world. Address Agent Singer Sewing Machine, in all cities and towns and you will receive attention.
701. **Standard Sewing Machine Company, Cleveland, Ohio.** Sewing machines. Gal. G-2 659
702. **Star Knitting Co., Chicago.** Knit goods, hosiery, etc. P-1 657
704. **Stetson, John B., Company, Philadelphia.** Hats. Gal. G-7 659
705. **Stiehl, G. H., & Co., New York.** Head wear. Gal. G-8 659  
Leading manufacturers of novelties of boys and children's cloth and straw headwear. Awarded gold medal, New Orleans, 1884.
706. **Strawbridge & Clothier, Philadelphia.** Costumes and wraps. Gal. G-5 659
707. **Swits Conde, Oswego, N. Y.** Knit goods. P-1 657
709. **Ulrich, Jean, Chicago.** Ladies' tailor-made clothing. Gal. F-1 659
710. **United Shirt & Collar Co., Chicago.** Collars, cuffs and shirts; aprons and underwear. Gal. G-9 659
711. **Van Orden Corset Co., New York.** Corsets. Gal. G-5 659
713. **Wachsmuth, L. C., & Co., Chicago.** Ready-made clothing. Gal. G-10 659  
Manufacturers of the celebrated "Happy Home" brand of guaranteed clothing, made of all wool fabrics, and the only clothing in the world guaranteed by the manufacturer through the retail dealer to the consumer.
714. **Waukenhose Co., Boston.** Knit goods, hosiery, etc. P-1 657
718. **Weingarten Bros., New York.** Corsets. Gal. G-4 659
722. **White Sewing Machine Company, Cleveland, Ohio.** Sewing machines. Gal. G-2 659
723. **Wilde, James Jr., & Co., Chicago.** Men's, boys' and children's clothing. Gal. G-9 659
725. **Wire Buckle Suspender Company, Williamsport, Pa.** Suspenders and shoulder braces, etc. Gal. G-6 659
727. **Worcester Corset Company, Worcester, Mass.** Corsets. Gal. G-5 659  
Chicago salesrooms, 260 and 262 Fifth St. New York office, 454 Broadway. The Worcester W. C. C. corsets combine the

## Furs and Fur Clothing, Laces, Embroideries, Trimmings, Hair Work.

**Exhibit No.** **Class'n No.**  
 highest skill known to the corset art. Style, comfort, economy. 100 styles. Popular prices. Sold direct to retailers. Our salesmen cover U. S. Send for hand book.

## GROUP 105.

## Furs and Fur Clothing.

Exhibits in this group are installed in Section G, Block I.

73a. **Burkhardt, [redacted] Company, The,** Cincinnati. Furs and skins, 660  
 Importers, manufacturers, furriers and exporters. American raw furs. Established 1866. Chicago branch, 702 Columbia Memorial Building, corner State and Washington Sts. Correspondence invited.

73b. **Gunter's, C. G., Sons, New York.** Furs and skins, stuffed animals. 660  
 14 Fifth Ave., New York. Establis'd 1820. Ladies' furs of every description. Fur lined and fur trimmed garments. Gentlemen's fur lined overcoats. Fur rugs and robes, pelts and skins, mounted heads and horns. Correspondence and inspection invited. Medal awarded Expos'n Universelle, Paris, 1867.

73c. **Liebes, E., & Co. (Inc.), San Francisco.** Manufactured furs. 662

The world's headquarters for sealskin garments and fine furs of every description. 139 to 159 Post St. Chicago office during Exposition, 808 Columbus Memorial Bldg., State and Washington Sts.

73d. **Shayne & Co., Chicago.** Furs, fur garments and pelts. 660

C. C. Shayne, 124-126 W. 42d st., New York; John T. Shayne, 191-193 State st., Chicago, Importers, exporters and manufacturers of high class furs. Seal and mink garments a specialty. Correspondence solicited.

73e. **Treadwell, Geo. C., Company, Albany, N. Y.** Seal fur garments. 662  
 Fur seal of Treadwell's Dye, which has been in constant use since 1832. Seals down from raw skins to highest grade of garments made.

73f. **Wolf & Periolat, Chicago.** Furs and garments, mounted animals. 660

## GROUP 106.

Laces, Embroideries, Trimmings, Artificial Flowers, Fans, etc.

Exhibits in this group are installed in Section N, Block I and Gallery, Sections F & G.

**Ball & Socket Fastener Co., Boston.** Fasteners for gloves, coats, bags, etc. Gal. F-1 668

**Exhibit No.** **Class'n No.**

739. **Rodeemans, Johannes, Chicago.** Embroideries. Gal. F-1 669

740. **Crotty & Mitchell, Weedsport, N. Y.** Dress stays. Gal. F-1 668

753. **Excelsior Quilting Company, New York.** Fancy stitching and quilting. Gal. F-4 665

757. **Gerschel, Victor, & Co., New York.** Pearl buttons. Gal. G-6 668

775. **New England Pin Company, Winsted, Conn.** Pins. Gal. F-4 668

776. **New England Whalebone Manufacturing Company, New York.** Articles made from whalebones. Gal. F-4 668

783. **Richardson & DeLong Bros., Philadelphia.** Patent hooks and eyes. Gal. G-3 668

784. **Samaha, A., Philadelphia.** Gold and silver embroideries. Gal. F-1 669

785. **Tiffany Glass & Decorating Co., New York.**

a Needle work, etc. Gal. N-1 665  
 b Art embroidery. 669

786. **Tiffany & Co., New York.** Jade fan and ostrich feather fans. N-1 667

## GROUP 107.

## Hair Work, Coiffures and Accessories of the Toilet.

Exhibits in this group are installed in Gallery, Sections F and G.

807. **Burham, E., Chicago.** Hair goods, jewelry, tools, etc. Gal. F-7 673

807a. **Blumenthal, M. & B., Chicago.** Hair goods and novelties. Gal. F-7 672

808. **India Rubber Comb Company, New York.** Combs and brushes. Gal. F-4 675

"I. R. Comb Co.'s unbreakable combs;" every comb warranted. Imperial rubber brushes warranted not to split or warp. Agents for United States Comb Co. and Atlantic Comb Co.

810. **Nicol & Co., Chicago.** Hair tools and heaters. Gal. G-7 674

811. **Palmetto Fibre Company, Chicago.** Brushes. Gal. F-1 675

Manufacturers of all kinds of palmetto-fibre brushes. Known to be the best fibre for scrub and horse brushes discovered. Will clean quicker, last longer than brushes made of any other material. See World's Fair exhibit. Chicago store, 56 Michigan ave. Factory, Frederick, Md.

# Travelling Equipments, Toilet Cases, Etc., Rubber Goods, Toys and Fancy Articles.

## GROUP 108.

Travelling Equipments, Valises, Trunks, Toilet Cases, Fancy Leather Work, Cases, Umbrellas, Parasols, etc.

Exhibits in this group are installed in Section N, and Gallery, Sections F and G with one exception.

- | Exhibit No.   | Class No. |
|---|-----------|
| 812. Cheval Standard Co., New York. Horse measuring canes. Gal. F-4                         | 681       |
| 813. DeMuth, Wm., & Co., New York. a Smokers' articles. O-1                                 | 680       |
| a Walking canes. 681  |           |
| 814. Ebel, Rev. Adolph, Chicago. Carved morocco, bamboo pipe. Gal. G-11                     | 680       |
| 815a. Gorham Manufacturing Co., Providence R. I. a Fancy bags, purses, card cases, etc. N-1 | 680       |
| a Cases. 681  |           |
| a Umbrellas and parasols. 682   |           |
| 815. Harker, J. C., New York. Leather goods and novelties. Gal. G-8                         | 680       |
| 816. Marks & Son, Philadelphia. Umbrellas and novelties. Gal. G-10                          | 682       |
| 817. Parker, F. J., Racine, Wis. Trunks. Gal. G-8   | 679       |
| 818. Reed, J. David, Chicago. Bureau. Gal. G-8  | 679       |
| 819a. Rosenthal M. M., & Co., Chicago. Gal. F 7   | 677       |
| 819b. Tinsley & Co., New York. a Travelling cases and valises. N-1                          | 679       |
| a Cases of silverware, jewelry, etc. 679  |           |
| a Fancy bags, pouches, purses, card-cases, smokers' articles, etc. 680                      |           |
| a Cases of silver and gold mounted. 681   |           |
| Umbrellas and parasols, fancy handles. 682  |           |
| 820. Witt, Chas. T., Chicago. Travelers' equipments. Gal. G-8                               | 679       |

## GROUP 109.

Rubber Goods, Caoutchouc, Gutta Percha, Celluloid and Zylonite.

Exhibits in this group are installed in Gallery, Section G.

- |  |     |
|--|-----|
| 821. American Rubber Co., Boston. Mackintoshes, rubber and oil clothing. Gal. G-13 | 683 |
| 822. Bailey, C. J., & Co., Boston. Rubber brushes and novelties. Gal. G-13         | 688 |
| 823. Atlantic Tip Company, Chicago. Rubber specialties. 686                        |     |

Exhibit No.

826. India Rubber Comb Company, New York. Hard and soft rubber goods. Gal. E-13

Combs, brushes, hair pins, mechanical goods, hard and soft rubber syringes, bottles, druggists' sundries.

828. Stoughton Rubber Company, Boston. Rubber garments. Gal. G-13

829. Towers, A. J., Boston. Waterproof clothing. Gal. G-13

We lead the way in our celebrated brand slickers, hats and boots covers. See catalogue.

## GROUP 110.

Toys and Fancy Articles.

Exhibits in this group are installed in Gallery, Sections F and G, with one exception.

830. Atkinson, Geo. F., San Francisco. California wood novelties. Gal. F-1

831. Converse, Morton E. & Co., Weymouth, Mass. Toys and novelties. Gal. F-1

Great variety drums, trunks, dolls, furniture, toys, games, novelties, etc. Fine display. Largest wood toy factory in the world.

832. Estes, E. B., & Sons, New York. Turned wooden novelties. Gal. F-4

832a. Hansen, E., Philadelphia. Art novelties; inlaid pearl mosaics. Gal. F-4

832b. Ihling Bros. & Everard, Kalamazoo, Mich. Duplicate whist trays. Gal. F-14

833. Ives, Blakeslee & Williams Co., New York. Mechanical toys. Gal. F-7

834. Jansen, Ed., New York. Baskets. Gal. G-1

Novelties in baskets of fancy and design, decorated and plain. 19th St.

835. Joy & Seliger, Newark, N. J. Toys. Gal. F-4

Manufacturers of toilet cases and made from aluminum, white metal, celluloid; makers of patented elastic belts of all descriptions. World's Fancies and specialties.

836. Mermod & Jaccard, Jewellery, Louis. Monograms and dies. Gal. G-13

837. Parker Bros., Salem, Mass. Games and toys. Gal. F-4

838. Pattberg, Lewis & Bro., New N. J. Fancy goods. Gal. F-4

Estab. 1859. Medals, Phila. and

839. Pia, Peter F., New York. Toys. Gal. F-4

## Scales, Weights and Measures, Material of War, Etc.

Exhibit No.	Class No.
840. Rice & Hochster, New York. Tor- toise shell articles. Gal. F-4 695	
841. Rosenblatt & Co., Chicago. Plush and leather boxes, etc. Gal. F-7 694	
842. Ross, M. B., Cambridgeboro, Pa. Game. Gal. G-II 693	
843. Tiffany & Co., New York. a Bonbonieres and fancy boxes, etc. N-I 694 b Fancy leather and gold pocket- books, blotters, etc. 695	
844. Wahl, Emil, Fancy Bone Manufac- turing Company, Philadelphia. Fancy bone goods. Gal. F-4 695	

## GROUP 112.

## Scales, Weights and Measures.

Exhibits in this group are installed in Section Q, Block 1.

845. Buffalo Scale Company, Buffalo, N. Y. Scales. 706	
846. Chicago Scale Co., Chicago. Scales. Stock Pavilion 707	
847. Chicago Spring Balance Co., Chicago. Scales and balances. Q-1 707	
848. Fairbanks, E. & T., Co., St. Johns- bury, Vt. Scales, weights and measures. 706	
849. Fairbanks' scales, the world's standard. over one thousand modifications. 706	
850. Kirk & Bailey, Cincinnati. Family scales, bicycle grindstones, etc. 706	
851. Metric Metal Company, Erie, Pa. Scales. 711	
852. Mogul Manufacturing Company, New York. Spring scales. 706	
853. National Meter Company, Brooklyn, N. Y. Water meters. 711	
854. Water meters of the noted Crown, Gem, Nash and other brands. All sizes for all duties. 711	
855. Neptune Meter Co., New York. Water meters. 711	
856. Springer Torsion Balance Company, New York. Scales. 706	
857. Thomson Meter Company, Brooklyn, N. Y. Water meters. 711	
858. Water meters entirely of bronze composition except the body, which is steel covered with hard bronze. Our latest product, the "Bee," is changeable in every part. Sizes 1/2 to 6 inches. Accurate, durable, low priced and of the best. Used in over 500 cities. Sales over 13,000. Silver medal, Paris, 1889. 711	
859. Troemner, H., Philadelphia. Balance scales. Q-1 708	

Exhibit No.	Class No.
855. Worthington, Henry R., New York. Water meters. Dept. F 711	
London office, 153 Queen Victoria St.; Paris, 43 Rue Lafayette; Berlin, 48 Kaiser Wilhelm St.; Brussels, 12 Boulevard du Nord; Am- sterdam, Keizersgracht 745; Glasgow, 21 W. Nile St.; Vienna, 7 Reichsraths St.; Calcutta, 1 Lall Bazar; Sydney, 58 Pitt St.; Copen- hagen, Buda Pesth; Milan, Naples.	

## GROUP 113.

Material of War; Ordnance and Ammunition; Weapons and Apparatus of Hunting, Trapping, etc.; Military and Sporting Small Arms.

Exhibits in this group are installed in Sections Q, Block 3, P, Block 4, and N, Block 1.

856. Bannerman, Francis, New York. Guns. Q-3 714	
Shot guns—6 shots in 3 seconds, 6,000 in use. Riot guns, regltn. U. S. A. prison guard gun.	
856a. Bethlehem Iron Company, South Bethlehem, Pa. Heavy ordnance and its accessories. 716	
Trunnion Hoop, 12 in., B. L. Rifle, smooth forged. Gun hoops. Company makes spe- cialty of steel forgings, hollow shafting, cranks, rolls, guns and armor, rough ma- chined or finished, fluid compressed, hy- draulic forged; nickel-steel "Harvey" armor of great toughness and unrivaled resistance.	
857. Bridgeport Gun Implement Company, Bridgeport, Conn. Gun implements. Q-3 718	
858. Brooks, C. C., Arms & Tool Co., Portland, Me. a Knives, etc. Q-3 717 b Shotguns and rifles. 718	
859. Burgess Gun Company, Buffalo, N. Y. Fire-arms. Q-3 714	
860. Colt's Patent Fire-arms Manufac- turing Company, Hartford, Conn. Fire- arms. Q-3 714	
861a. Henderson-Ames Co., Kalamazoo, Mich. Swords. N-1 717	
862. Ideal Manufacturing Company, New Haven, Conn. Gun implements and am- munition. Q-3 718	
863. Jordan, Louis, Chicago. Shotguns. P-4 718	
864. Lefever Arms Company, Syracuse, N. Y. Hammerless guns. Q-3 718	
865. Martin Fire-arms Company, New Haven, Conn. Fire-arms. Q-3 718	

## Material of War, Lighting Apparatus, Heating and Cooking Apparatus.

**Exhibit No.** **Class'n No.**  
**866. Parker Bros., Meriden, Conn.** Shot-guns. Q-3 718  
 Manufacturers of the celebrated Parker gun, hammerless and hammer. The oldest and largest manufacturers of breech-loading shotguns in America.

**867. Remington Arms Company, Ilion, N. Y.** Fire-arms. Q-3 714

Agencies: New York and San Francisco. Est'd 1816. Nearly 2,000,000 Remington rifles in use. M'frs of celebrated Lee magazine rifle; also 50 cal. N. Y. state model and 43 Spanish-Standard arm of S. America; sporting rifles, shotguns, revolvers, high-grade pneumatic bicycles and sewing machines.

**868. Smith & Wesson, Springfield, Mass.** Revolvers. Q-3 714

Manufacturers of superior automatic, shell-extracting revolvers. Unequalled for force, accuracy, durability, excellence of material, workmanship, beauty of finish, convenience in loading, and safety. All goods guaranteed. Address, Springfield, Mass., U. S. A.

**869. Union Metallic Cartridge Company, Bridgeport, Conn.** Metallic ammunition. Q-3 714

Agency, 313 Broadway, New York, N. Y. Depot, 10 Front St., San Francisco, Cal. Ammunition-Pioneer American Factory. Largest facilities; greatest output. Contractors to U. S. and foreign governments. Cartridges, paper and brass shot shells, wads, primers, percussion cups, etc.

**870. Winchester Repeating Arms Company, New Haven, Conn.**

*a* Military small arms and ammunition. Q-3 714

Several systems of military small arms (repeaters and single-loaders). Ammunition for military small arms; for hunting, sporting, target and pastime rifles; for pistols and for shotguns. Awarded grand prize at Paris Exposition, 1889.

*b* Sporting and hunting fire-arms. Reloading tools. 718

Sporting, hunting, target and pastime rifles (repeaters and single-loaders), several systems. Repeating shotguns, two systems. Reloading tools for metallic cartridges. Awarded grand prize at Paris Exposition, 1889.

## GROUP 114.

## Lighting Apparatus and Appliances.

Exhibits in this group are installed in Section N, Blocks 1 and 3.

**871. American Automatic Lighting Co., Meriden, Conn.** Lighting system. N-3 719

**Exhibit No.** **Class'n No.**  
**872. American Brass and Lamp Co., Trenton, N. J.** Lamps; fancy brass and glass articles. N-3 711

Consolidating Clark Bros. Lamp, Brass & Copper Co. and Swan & Whitehead.

**873. Dietz, R. E., Chicago.** Lamps and lanterns. N-3 711

**875. Globe Light & Heat Co., Chicago.** Street lamps, gas and electric fixtures, reflectors and heating specialties. N-3 711

**876. Hohenstein, H., New York.** Lamps and candle shades, candles, etc. N-3 711

**877. Rochester Lamp Company, New York.** Lamps. N-3 711

**878. Schultz Gas Fixture & Art Metal Co., Baltimore.** Gas and electric fixtures; naments. N-3 711

**879. Steam Gauge & Lantern Co., Syracuse, N. Y.** Lamps and lanterns. N-3 711

**880. Tiffany Glass & Decorating Co., New York.**

*a* Gas fixtures. N-1 711

*b* Electric fixtures. N-3 711

## GROUP 115.

## Heating and Cooking Apparatus and Appliances.

Exhibits in this group are installed in Sections O, Blocks 3 and 4; N, Blocks 1 and P, Block 4.

**881. Abendroth Bros., Port Chester, N. Y.**

*a* Furnaces. Q-3 711

*b* Hot water heaters. Q-3 711

*c* Stoves and ranges. Q-3 711

**882. America Heating Company, Buffalo, N. Y.** Hot water heaters. Q-3 711

**883. American Radiator Company, Chicago.** Steam and water radiators. Q-3 711

Largest radiator makers in the world. General offices, 111 and 113 Lake Street, Chicago. Branches, New York, Boston, Philadelphia, St. Paul, St. Louis, Minneapolis and St. Paul. Factories, Detroit, Mich., and Buffalo, N. Y. Awarded grand prize at Paris Exposition 1889.

**884. Beckwith, P. D., Estate of, Detroit, Mich.** Stoves. Q-3 711

Sole manufacturers of round oak stoves and ranges, made as specialties, and for the best of fuel the best in the world. For general manager, O. G. Beach, New York.

**885a. Born Steel Range & Mfg. Co., Cleveland, Ohio.** Ranges. Q-3 711

**886. Bucks Stove & Range Co., New York.** Stoves and ranges. Q-3 711

## Heating and Cooking Apparatus and Appliances.

- | Exhibit No.  | Class No. | Exhibit No.  | Class No. |
|--|-----------|--|-----------|
| 867. Buzzacott, Francis Henry, Fort Sheridan, Ill.   | 0-3 727   | 907. Gorton & Lidgerwood Co., New York.  | 0-3 726   |
| Army ovens, cookers, etc.  |           | House heating boiler.  |           |
| Buzzacott's Army Field Ovens and Portable Camp Cookers as used by the entire U. S. Army, National Guard and Sporting Fraternity for all outdoor cooking, etc.                      | 0-3 727   | For heating houses by steam or hot water. Chicago office, 31 and 33 W. Monroe St.  |           |
| 888. Chapman, H. M., Chicago.  | 0-3 726   | 908. Goodell Company, Austin, N. H.  | 0-3 730   |
| Boiler and heaters.  |           | Apple and potato parers, seed sowers, cherry stoners, etc.   |           |
| 889. Chicago Clothes Dryer Works, Chicago.   | 0-3 727   | 911. Griffing, A. A., Iron Company, Jersey City, N. J.   | 0-3 726   |
| Laundry stoves and clothes dryers.   |           | Radiators.   |           |
| 890. Chicago Stove Works, Chicago.   | 0-4 723   | Largest plant in the world engaged exclusively in the manufacture of cast iron radiators, viz., Bundy Standard and Sectional Radiators, Columbia, Edison, Penn, Defiance, Triumph, Climax, Perfect, Steam or Hot Water.                    |           |
| Ranges and stoves.   |           | Works, Jersey City, N. J. Offices, 15 Dey St., New York, Chicago and Philadelphia.   |           |
| Manufacture the Gold Coin stoves in every style, and for burning any kind of fuel. Office and salesroom at our works, corner Blue Island avenue and Twenty-second Street, Chicago. | 0-4 723   | 913. Hill, Whitney & Co., Boston.  | 0-3 730   |
| 91. Clark, George M., & Co., Chicago.  | 0-3 728   | Cookers, broilers and frying pans.   |           |
| Gas and gasoline stoves.   |           | 914. Howard Thermostat Company, Syracuse, N. Y.  | 0-3 728   |
| Under the name of "Jewel" we manufacture fifty-seven gas stoves, forty gasoline stoves, and one oil-heating stove. Fullest line of loves of their kind in the world.               | 0-3 728   | Heat regulators.   |           |
| 92. Collins & Burgie Co., Chicago.   | 0-4 727   | 915. Huette-Barler Manufacturing Company, Chicago.   | 0-3 728   |
| Stoves and ranges.   |           | a Gas heaters.   | 0-3 728   |
| 93. Co-operative Foundry Company, Rochester, N. Y.   | N-4 727   | b Oil heaters.   | 0-3 729   |
| Stoves and heaters.  |           | 916. Jackson, Edwin A., & Bros., New York.   | 0-3 724   |
| 94. Cortland Howe Ventilating Stove Company, Cortland, N. Y.   | 0-3 727   | Grates.  |           |
| Heating stoves.  |           | 917. Johns & Co., Philadelphia.  | 0-3 727   |
| 95. Cribben, Sexton & Co., Chicago.  | 0-4 727   | Stoves and metal polish.   |           |
| Stoves and ranges.   |           | No brush or water. Will not burn or wash off.  |           |
| 96. Daggett, W. A., & Co., Vineland, N. J.   | 0-3 724   | 918. Kahn, F. & L., & Bros., Hamilton, Ohio.   | 0-3 727   |
| Roaster and baking pan.  |           | Stoves and ranges.   |           |
| 97. Dangier Stove & Manufacturing Co., Cleveland, Ohio.  | 0-3 726   | 919. Kelsey Furnace Company, Syracuse, N. Y.   | 0-3 725   |
| Vapor stoves and ranges.   |           | Furnaces.  |           |
| 98. Enterprise Manufacturing Company, Philadelphia.  | 0-3 730   | 919a. Kingsley & Davis, Barrington Centre, R. I.   | 0-4 730   |
| Hardware specialties.  |           | Nutmeg mill.   |           |
| 99. Edwards Parlor Lamp Stove Co., Chicago.  | 0-3 729   | 922. Magee Furnace Company, Boston.  | 0-4 725   |
| Parlor lamp stove.   |           | Furnaces.  |           |
| 100. Farquhar Heating Company, Chicago.  | 0-3 729   | Stoves and ranges.   | 0-4 727   |
| Furnaces and heaters.  |           | Fine work a specialty. Branches, 86 Lake Street, Chicago; 242 White Street, New York.  |           |
| 101. Fuller, Warren Company, Milwaukee, Wis.   | 0-4 726   | 923. Mason & Davis Company, Chicago.   | 0-4 727   |
| Furnaces and heating apparatus.  |           | Ranges and laundry stoves.   |           |
| 102. Troy, N. Y.   | 0-3 729   | Wrought steel ranges for families, restaurants and hotels. Coal, wood or gas and combination ranges to burn coal or wood in one section, and gas in the other. Also canopies, broilers and laundry stoves. Agents in all principal cities. |           |
| Largest producers of stoves, ranges and furnaces in the world. Exclusive manufacturers of P. P. Stewart stoves and ranges.   | 0-3 729   | 924. Messelbach, A. F., & Bros., Newark, N. J.   | 0-3 730   |
|  |           | Can openers.   |           |
|  |           | "Columbia" high grade, warranted.  |           |
|  |           | 925. Michigan Stove Company, Detroit, Mich.  | 0-4 727   |
|  |           | Stoves and ranges.   |           |
|  |           | 926. Milford Manufacturing Company, Milford, Ohio.   | 0-3 730   |
|  |           | Carpet sweepers.   |           |

## Heating and Cooking Apparatus and Appliances.

Exhibit No.	Class'n No.	
927. Miller, Wm., Range & Furnace Co., Cincinnati.		
a Ranges, stoves and ovens.	O-3	727
b Kitchen utensils.		730
928. Milwaukee Gas Stove Company, Milwaukee, Wis. Gas ranges and heaters.	O-3	728
929. New Era Fuel Appliance Company, Chicago. Gas ranges, heaters, etc.	O-3	728
Clothes-dryers for dwellings, flats and hotels. Laundry stoves, gas ranges.		
929a. Nevins, Laura, Range & Heating Co., Minneapolis, Minn. Stoves and ranges.	O-3	727
930. North-Western Stove Repair Company, Chicago. Stove repairs, water-backs, etc.	O-3	727
930a. Ohmer Flour Bin Co., Dayton, Ohio. Flour bins and sifters.	P-4	730
931. Pease, J. F., Furnace Company, Syracuse, N. Y. Hot water, steam and combination heaters.	O-4	725
932. Peninsular Stove Company, Detroit, Mich.		
a Furnaces.	O-4	725
b Stoves, ranges.		727
933. Powers Duplex Regulator Company, Chicago. Temperature regulators.	O-3	726
934. Pugh & Grovenor, Casselton, N. D. Stoves and drums.	O-3	727
935. Rathbone, Sard & Co., Chicago. Stoves and ranges.	O-4	727
936. Reading Stove Works, Reading, Pa. Stoves, heaters, ranges and hot air furnaces.	O-4	727
937. Resor, Wm., & Co., Cincinnati. Stoves and ranges.	O-4	727
938. Richardson & Boynton Co., Chicago.		
a Furnaces, ranges and steam heating apparatus.	O-4	725
b Heating apparatus.		726
c Ranges.		727
940. Ridgway Furnace Company, Boston. Furnaces.	O-3	725
Revolving open fire pot heaters. Awarded gold medal by Mass. Char. Mch. Assn. in 1892.		
942. Ronalds & Co., New York. Boilers and copper ware.	O-3	727
942a. Schlueter, A. & F., Oakland, Cal. Oil cans.	P-4	730
943. Smith & Anthony Stove Co., Boston.		
a Heaters.	O-3	726
b Ranges and furnaces.		727

Exhibit No.	Class'n No.	
943a. Southern Stove Works, Evansville, Ind. Washing machines.	O-3	730
944. Spicer Stove Company, Providence, R. I.		
a Furnaces.	O-3	727
b Stoves and ranges.		727
This company has made a phenomenal success of their productions since they commenced business in 1850. The Model Ranges and Parlors are the most perfect constructions yet made. Their "Model Grands" represent the very latest ideas of one of the most progressive makers in the world.		
946. Stone M'fg Co., Columbus, Ohio. Clothes wringers.	O-3	730
947. Stroud, Jas., New York. Roasting pans and rollers.	O-3	730
947a. Superior Furnace Co., Little Falls, N. Y. Hot air furnaces.	O-3	727
948. Tuttle & Bailey Mfg. Co., New York. Registers, ventilators, screen pedestals, etc.	O-3	727
Also at Boston. Every variety of registers for heating and ventilation; of superior movements, finish and designs. Awarded first prize Centennial Exhibition, 1876.		
948a. Thomas, Roberts, Stevenson Company, Philadelphia. Stoves and ranges.	O-3	727
The horizontal boiler ranges made by this company take no brick work, occupy less space, make more hot water for the bath than a vertical boiler twice its size.		
948b. Traub, S. B., Range Co., Chicago.		
a Ranges and broilers.	O-3	727
b Carving table.		730
948c. Universal Sad Iron Co., Milwaukee, Wis. Charcoal irons.	O-3	730
949. Warner, J. W., Oneida, N. Y. Hot water heater and boiler.	O-3	727
Most rapid circulating boiler ever made.		
951. Wilcox Water Heater Company, Chicago.	O-3	
a Hot water heater and radiator.		730
b Dish washer.		730
952. Woods, Sherwood & Co., Lowell, Mass. White wire household goods.	O-3	730
953. Woven Down Duster Company, Chicago. Dusters.	O-3	730
954. Wrought Iron Range Company, St. Louis.		
a Furnaces.	O-3	727
b Stoves and ranges.		727
c Kitchen utensils.		730

## Refrigerators, Hollow Metal Ware, Tinware, Enameled Ware.

## GROUP 116.

## Refrigerators, Hollow Metal Ware, Tinware, Enameled Ware.

Exhibits in this group are installed in sections P, Blocks 3 and 4; H, Block 3; G, Block 4; O, Block 2, and N, Block 4.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 54a. Adams & Westlake, Chicago. Oil cans, flour sifters, etc.   | G-4 739     |
| 55. Alaska Refrigerator Company, Muskegon, Mich. Refrigerators, beer coolers, etc.  | P-4 731     |
| 56. Belding Manufacturing Company, Chicago. Refrigerators.  | P-4 731     |
| 57. Chapman Manufacturing Company, Meriden, Conn. Hardware specialties.   | P-3 733     |
| 57a. Daemicke, Paul J., Chicago. Refrigerators and cooling rooms. Market fixtures, butchers' supplies, etc. Office and factory, Halsted and Fulton Sts.   | P-4 731     |
| 58. Grand Rapids Refrigerator Company, Grand Rapids, Mich. Refrigerators.   | P-4 731     |
| 59. Especially for the use of families, restaurants, grocers and butchers. The Leonard variable system of refrigeration excels all others.  |             |
| 60. Griswold Manufacturing Company, Erie, Pa. Cast iron hollow ware.  | G-4 732     |
| 61. Manufacturers of the celebrated extra finished Erie Hollow Ware American Dampers, American Waffle Irons, and all kinds of stove furniture. Send for catalogue.  |             |
| 62. Hurd Refrigerator Company, Duluth, Minn. Refrigerators.   | P-4 731     |
| 63. The celebrated Hurd household refrigerators. Butchers' cooling rooms, beer coolers, ice bank, saloon, store fixtures.   |             |
| 64. Iron Clad Manufacturing Company, New York. Enameled ware; milk cans.  | N-4 734     |
| 65. Keen & Hagerty, Baltimore. Tinware.   | G-4 733     |
| 66. Lippincott, Chas. & Co., Philadelphia. Soda water apparatus.  | H-3 731     |
| 67. Soda water apparatus; copper and iron plating machinery and generators, copper steel fountains, extracts, fruit juices, etc. Branches: Chicago, St. Louis, Minneapolis, San Francisco, Boston, Cincinnati and Waco. |             |
| 68. Low Art Tile Company, Chelsea, Mass. Soda fountain.   | H-3 731     |
| 69. Most artistic and best ever made.   |             |

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 967. Matthew, John, Apparatus Company, New York. Soda water apparatus.  | H-3 731     |
| 968. Northern Refrigerator Company, Grand Rapids, Mich. Refrigerators.  | P-4 731     |
| 969. Manufacturers of the famous Glacier cold dry-air refrigerators.  |             |
| 969. Puffer, A. D., & Sons, Boston. Soda water apparatus.   | H-3 731     |
| 971. Shirk, G. M., Manufacturing Co. Chicago. Refrigerators.  | P-4 731     |
| 972. Smith & Anthony Stove Co., Boston. Kettles.  | G-4 732     |
| 973. Sperry, D. R., & Co. Batavia, Ill. Cooking utensils.   | G-4 732     |
| 974. Caldrons, bailed kettles, steam jacket kettles, vacuum pans, drug mortars, amalgam retorts, "The Profit" farm boilers, hollow-ware, etc. Send for catalogue.   |             |
| 975. Summit Refrigerator Co., Michigan City, Ind. Refrigerators.  | O-2 731     |
| 976. Thomson, J. S., Erie, Pa. Refrigerators.   | P-4 731     |
| 977. Tufts, Jas. W., Boston. Soda water apparatus.  | H-3 731     |
| 978. Vienna Enamel & Stamping Co., Chicago. Enameled steel ware.  | P-4 734     |
| 979. 149 Lake st., Chicago. Works, Porter, Ind.   |             |
| 979. Vollrath, The Jacob J., Manufacturing Company, Sheboygan, Wis. Iron ware.  | N-4 734     |
| 980. Wagner Manufacturing Company, Sidney, Ohio. Hollow ware.   | H-3 732     |
| 981. Wickes Refrigerator Co., Chicago. Cooling room.  | H-3 732     |
| 982. Wilke, Fred A., Richmond, Ind. Portable china kilns.   | P-4 732     |
| 983. For firing decorated china.  |             |
| 984. Wisconsin Refrigerator Company, Eau Claire, Wis. Hardwood household refrigerators.   | P-4 731     |
| 985. Established 1889. High grade refrigerators. Perfect system of circulation. Cleansable flues, use of which makes refrigerator always sweet and prevents disagreeable odor found in all other refrigerators. Mineral wool filled. Awarded highest prize (gold medal) Jamaica Exposition, 1891. |             |
| 986. Zwietusch, Otto, Milwaukee, Wis. Soda water and dispensing apparatus.  | H-3 731     |
| 987. Columbian draft apparatus; steel fountains. Highest medal Centennial Exposition, 1876. Chicago Branch, 419 Dearborn St.  |             |

## Wire Goods and Screens, Wrought Iron and Plain Metal Exhibits.

## GROUP 117.

## Wire Goods and Screens, Perforated Sheets, Lattice Work, Fencing, Etc.

Exhibits in this group are installed in Sections Q, Blocks 2 and 3; H, Block 3, and N, Block 1.

Exhibit No.	Class'n No.
980. Baackes Wire Nail Company, Cleveland, Ohio. Wire of every description.	Q-3 735

981. Burrowes, E. T., & Co., Portland; Me. Wire window screens and doors.	Q-3 738
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Screen factories, the largest in the world. Specialty, screening new houses to order; 35,000 fine houses screened by us in 42 states. Offices in all large cities.

982. Clinton Wire Cloth Company, Clinton, Mass. Wire of all kinds.	Q-3 735
--	---------

983. Gilbert & Bennett Manufacturing Co., Chicago. Wire goods.	Q-3 735
--	---------

Oldest and leading makers of galvanized wire goods, wire cloth and fencing in America; 75 years in business. Georgetown, Ct.; 44 Cliff St., New York; 148 Lake St., Chicago.

983a. New Jersey Wire Cloth Co., Trenton, N. J. Wire lath.	H-3 735
--	---------

984. Roebbling's, John A., Sons Company, Chicago. Wire of all descriptions.	Q-2 735
---	---------

Bare and insulated copper wire for all purposes; telegraph wire; wire cloth and nettings. Offices and warehouses: 171-173 Lake St., Chicago; 117 Liberty St., New York; 25 Fremont St., San Francisco.

984a. Tiffany Glass & Decorating Co., New York. Artistic lattice work.	N-1 740
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985. Translucent Fabric Company, Clinton, Mass. Translucent fabrics for windows and transoms.	Q-3 735
---	---------

986. Trenton Iron Co., Trenton, N. J. Wire of various kinds.	Dept. G 742
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987. United States Wire Mat Company, Decatur, Ill. Wire mats and matting.	Q-3 741
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988. Washburn & Moen Manufacturing Co., Worcester, Mass. Wire of all kinds.	Q-3 742
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Attention is called to the Washburn & Moen M'fg Co.'s advertisement in the Official Directory of the World's Columbian Exposition; also to their exhibit, located in the Manufactures and Liberal Arts Building, Section Q, 3, N. E. space 23.

## GROUP 118.

## Wrought Iron and Plain Metal Exhibits.

Exhibits in this group are installed in Sections G, Block 4; H, Block 3; P, Block 4, and N, Block 1.

Exhibit No.	Class'n No.
989. Barnum, E. T., Detroit, Mich. Wire and ironwork.	H-3 743
990. Bayer & Scherbner, New York. Artistic wrought iron, grille work, etc.	H-3 743

Manufacturer and patentee of folding gates for elevator and store entrances.

991. Bryant & Watson, Crawfordsville, Ind. Crest tile.	H-3 743
--	---------

992. Canton Steel Roofing Company, Canton, Ohio. Sheet metal roofing, siding, etc.	H-3 743
--	---------

992a. Capewell Horse Nail Co., The, Hartford, Conn. Horse shoe nails.	P-4 746
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Organized 1880. Makers of the Capewell horse nail, famous as "the best horse nail in the world," and of the Capewell patent corrugated horse nail, which does not need clinching. Used in U. S. Army. Chicago branch, 15 S. Jefferson St.

993. Central Iron & Steel Works, Brazil, Ind. Wrought iron turnbuckles.	H-3 745
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994. Champion Iron Company, Kenton, Ohio. Ironwork and ornamental iron.	H-3 745
---	---------

996. Cortright Metal Roofing Company, Philadelphia. Metal tiles and shingles.	H-3 745
---	---------

996a. Desmond, Cornelius, Pittsfield, Mass. Horse shoes.	G-4 746
--	---------

997. Hainsworth, F. & Son, Chicago. Iron grille work.	H-3 743
---	---------

998. Hogar, John, Fitchburg, Mass. Horseshoes.	G-4 746
--	---------

998a. Nielsen, N. P., Chicago. Horse shoes.	G-4 746
---	---------

999. North Western Horse Nail Manufacturing Company, Chicago. Horseshoes and nails.	G-4 746
---	---------

Manufacturers of highest grade nails. Large and small heads for general use. Makers of the Doble nail, the Kent special and the finest plate nails for the shoeing of trotters, pacers and race-horses. All styles and sizes shown in exhibit.

1000. Omniform M'fg Co., New Brunswick, N. J. Horseshoes, and methods of shoeing horses.	G-4 746
--	---------

1001. Putnam Nail Company, Boston. Horseshoe nails.	G-4 746
---	---------

Hot forged by hammer blows from the rod

## Wrought Iron and Plain Metal Exhibits, Vaults, Safes, Hardware, Tools, Cutlery.

Exhibit No.	Class'n No.
and hammer pointed without shearing. Highest award at Philadelphia Centennial. Government standard.	
1002. Rhode Island Perkins Horseshoe Company, Providence, R. I. Horseshoes and toe calks.	G-4 746
1003. Russell, Wm., Cincinnati. Horseshoes.	G-4 746
For best display of morbid specimens of horses' feet caused by improper shoeing. For best display of handmade horse shoes. For best display of horse shoers' tools. Russell on scientific horse shoeing.	
1003a. Seidels, Paul, Ornamental Architectural Iron Works, Chicago. Ornamental iron forgings.	H-3 743
1003b. Tiffany Glass & Decorating Co., New York. Wrought iron work, artistic forgings.	N-1 743
1004. Van Every, C. M., Jr., Bronson, Mich. Iron and steel forgings.	H-3 745&746
1005. Wedekind, Wm., Hagerstown, Ind. Horse shoes and horse shoe tools.	H-3 746
1006. Winslow Bros. Company, Chicago. Ornamental iron.	H-3 743
Stairs, railings, elevator enclosures, grille work, hammered leaf, or artistic wrought iron work, finished in our Bower-Barff rustless process, electro-plated in bronze, brass, copper or silver. Solid aluminum duplex electro-bronze and fire gilding.	

## GROUP 119.

## Vaults, Safes, Hardware, Tools, Cutlery.

Exhibits in this group are installed in Sections P, Blocks 3 and 4; O, Block 3; Q, Block 2; and Gallery, Section F.

1007. American Screw Company, Providence, R. I. Screws, bolts, rivets, etc.	P-3 747
1007a. American Vault, Safe and Lock Co., Chicago. Vaults, safes and locks.	O-3 752
1008. Ames, Oliver Sons Corporation, North Easton, Mass. Shovels, spades, etc.	P-4 748
1009. Atlas Tack Corporation, Boston. Tacks, brads, nails, glaziers' points, etc.	P-3 747
Established 1810, consolidated 1891. The oldest and largest manufacturers in the world of tacks, brads, nails, tufting, buttons, escutcheon pins, glaziers' points, eyelets, rivets, staples, pilgrim spring beds, and other articles. Chicago office, 239 Lake street.	

Exhibit No.	Class'n No.
1010. Bardsley, Jos., New York. Wooden door knobs, door springs, checks and checking spring hinges.	P-3 747
1011. Barney & Berry, Springfield, Mass. Ice and roller skates.	P-4 751
1012. Baker, L. A., & Co., Elgin, Ill. Single nailing machine.	P-4 748
1013. Blount Manufacturing Company, Boston. Hardware specialties.	P-3 747
1014. Bohanan, Wilson, Brooklyn, N. Y. Latches, locks, handles, etc.	Q-2 747
1015. Bommer Bros., Brooklyn, N. Y. Spiral spring hinges.	Q-2 747
With improvements of great importance.	
1017. Buck Bros., Millbury, Mass. Light edge tools.	P-4 749
1018. Buck, Chas., Millbury, Mass. Edge tools.	P-4 749
1019. Campbell Cutlery Company, Syracuse, N. Y. Cutlery.	Gal. F-4 751
1019a. Capewell, G. J., Hartford, Conn. Hammer and nail puller.	P-4 748
1020. Carey Safe Company, Buffalo, N. Y. Safes.	Q-2 752
1021a. Check-Controlled Lock Co., Cleveland, Ohio. Check controlled lock.	P-4 747
1022. Chicago Spring Butt Company, Chicago. Builders hardware.	P-3 747
Spring hinges our main line. To swing heavy or light doors, one or both ways. Special hinges for fire engine house doors. In general use in the United States, England, France and Germany. Catalogue by mail.	
1023. Cincinnati Tool Company, Cincinnati. Mechanics' tools.	P-4 748
1024. Clausen Shear Company, Fremont, Ohio. Shears, scissors and knives.	P-3 751
1026. Deal & Bremizer, Canton, Ohio. Combination locks.	Q-2 747
1027. Detroit Cork Screw Co., Detroit, Mich. Corkscrews; knife and corkscrew combined.	P-4 751
Cut worm screws a specialty.	
1028. Detroit Safe Company, Detroit, Mich. Safes, vaults, vault doors and locks.	Q-2 752
1028a. Disston, Henry & Sons (Inc.), Philadelphia.	
a Plumbs, levels, squares and bevels.	748
A full and complete line.	
b Files and rasps.	750
One of the largest manufacturers in the United States, making a complete line.	
1029. Eagle Lock Company, Terryville, Conn. Locks, keys and hardware specialties.	P-3

## Vaults, Safes, Hardware, Tools, Cutlery.

- | Exhibit No.                                   | Class'n No. | Exhibit No.                                  | Class'n No. |
|---|-------------|--|-------------|
| 1030. Geneva Tool Company, Geneva, Ohio.      |             | 1052. Nicholson File Company, Providence,    |             |
| Hand farming and garden tools. P-4            | 748         | R. I. Files and rasps. P-3                   | 750         |
| 1031. Gibson, Wm. D., Company, Chicago.       |             | 1053. Northfield Knife Company, North-       |             |
| Springs. P-3                                  | 747         | field, Conn. Pocket cutlery. P-4             | 751         |
| 1033. Hatch Cutlery Co., South Milwaukee,     |             | 1054. Norton Door Check & Spring Co.,        |             |
| Wis. Shears, scissors, pocket cutlery and     |             | Boston. Door check and spring for doors.     |             |
| razors. P-3                                   | 751         | P-4  | 747         |
| 1035. Herring-Hall-Marvin Co., Cincin-        |             | 1055. Osborne, C. S., & Co., Newark, N. J.   |             |
| nati. Vaults, safes, locks, etc. Q-2          | 752         | Saddle and harness tools. P-4                | 748         |
| 1038. Iowa Farming Tool Company, Ft.          |             | Estab. 1826. Our tools are used in all parts |             |
| Madison, Iowa. Hand farming tools.            |             | of the world. Write for illust. catalogue.   |             |
| P-4   | 748         | 1055a. Plumb, Fayette R., Philadelphia.      |             |
| 1039. Ives, Hobart B., & Co., New Haven,      |             | a Hammers, sledges, etc. P-4                 | 748         |
| Conn. Sash locks and bolts. P-4               | 747         | b Edge tools. P-3                            | 749         |
| The double eccentric mechanism applied to     |             | The largest, most complete, and best fin-    |             |
| the Ives Patent Sash Lock provides for lock-  |             | ished line of hammers, hatchets, broad       |             |
| ing when either opened or closed, and for     |             | axes, cleavers, sledges, railroad, miners'   |             |
| bringing the meeting rails together easily    |             | and blacksmiths' tools made in the world.    |             |
| and locking securely has no rival.            |             | I challenge competition. The highest         |             |
| 1040. Jennings, C. E., & Co., New York.       |             | awards received at the Centennial Ex-        |             |
| Carpenters' tools. P-4                        | 749         | position, 1876; Sydney, New South Wales,     |             |
| 1041. Kearney & Foot Co., New York.           |             | 1879; also Cotton Centennial Exposition,     |             |
| Files and rasps. P-3                          | 750         | New Orleans, 1885.                           |             |
| Main office, 100 and 102 Reade St., New       |             | 1056. Rhode Island Tool Company, Provi-      |             |
| York. Works, Paterson, N. J., U. S. A.        |             | dence, R. I. Machinists' supplies. P-4       | 747         |
| "Files" for general mechanical use. "Rasps"   |             | 1057. Rose, Wm., & Bros., Sharon Hill,       |             |
| for blacksmiths' or farriers' and wood-       |             | Pa. Mechanics' tools. P-4                    | 748         |
| workers' use. Daily shipment from works,      |             | 1058. Russell & Erwin Manufacturing Co.,     |             |
| 1,500 dozen a day. Business connections       |             | New Britain, Conn. Hardware; house           |             |
| desired in all parts of the world.            |             | furnishing goods. Q-2                        | 747         |
| 1042. Knickerbocker Ice Co., Chicago.         |             | 1059. Schenck, M. B., & Co., Meriden,        |             |
| Ice cutting tools. Dept. G                    | 749         | Conn. Casters. P-3                           | 747         |
| 1043. Lynch Manufacturing Company,            |             | 1060. Snell Manufacturing Company, Fisk-     |             |
| Madison, Wis. Lock buckles and illus-         |             | dale, Mass. Boring tools. P-4                | 749         |
| trations. P-4                                 | 747         | 1061. Stanley Rule & Level Co., New          |             |
| For bicycles, grips, trunk and case straps.   |             | Britain, Conn. Carpenters' tools. P-4        | 749         |
| 1044. Maydole, David, Hammer Company,         |             | Improved labor-saving carpenters' tools,     |             |
| Norwich, N. Y. Hammers. P-4                   | 748         | including Bailey's patent adjustable bench   |             |
| David Maydole began making hammers in         |             | planes.                                      |             |
| 1835; was first maker of adze-eye hammers.    |             | 1061a. Stanley Works, New Britain, Conn.     |             |
| Estab. 1845; works on site now occupied.      |             | Builders and cabinet hardware. Q-2           | 747         |
| First prize, Am. Inst., 1849; Maryland Inst., |             | 1062. Sternbergh, J. H., & Son, Reading,     |             |
| 1852; Centennial Ex., Phila., 1876. His ham-  |             | Pa. Bolts, nuts, rivets, screws, etc. Q-2    | 747         |
| mers are sold in nearly every country in the  |             | 1062a. Stover Manufacturing Co., Freeport,   |             |
| world; best reputation of any hammer made.    |             | Ill. Builders' hardware. Dept. A             | 747         |
| 1045. McCaffrey File Company, Philadel-       |             | 1063. Torrey, J. R., Razor Co., Worces-      |             |
| phia. Files and rasps. P-3                    | 750         | ter, Mass. Razors. P-4                       | 751         |
| Highest premium wherever exhibited.           |             | 1064. Van Wagoner & Williams Co.,            |             |
| 1046. Miller Lock Company, Philadelphia.      |             | Cleveland, Ohio. Hinges; spring. P-3         | 747         |
| Locks, padlocks and P. O. lock boxes. P-3     | 747         | 1065. White, J. C., Waseca, Minn. Nail       |             |
| Illustrated catalogue free by mail.           |             | counter. P-4                                 | 747         |
| 1048. Mosler, Bahmann & Co., Cincinnati.      |             | 1066. Withington & Cooley Manufacturing      |             |
| Fire and burglar proof safes, vaults, locks,  |             | Co., Jackson, Mich. Hand, farm and gar-      |             |
| etc. Q-2                                      | 752         | den tools. P-4                               | 749         |
| 1051. National Safe & Lock Co., Cleveland,    |             | Works established in 1848. Line comprises    |             |
| Ohio. Safes, vaults and vault fronts. Q-2     | 752         | hoes, forks, garden and lawn rakes, potato   |             |
|   |             | hooks, scythe-snaths, handles, etc. Product  |             |
|   |             | sold throughout the world.                   |             |

## Plumbing and Sanitary Materials, Miscellaneous Articles of Manufacture.

## GROUP 120.

## Plumbing and Sanitary Materials.

Exhibits in this group are installed in Section N, Block 4.

Exhibit No.	Class'a No.
1067. Alberene Stone Company, New York.	
Sanitary and plumbing specialties.	755
1068. Dawes & Myler, New Brighton, Pa.	
Bath tubs, laundry trays, etc.	753
1069. Day Manufacturing Company, Detroit, Mich.	
Self-heating bath tubs and bath tub heaters.	753
1070. Instantaneous Water Heating Company, Chicago.	
Water heaters used with gas.	753
1072. Kilbourne & Jacobs Manufacturing Co., Columbus, Ohio.	
Wrought steel sinks.	755
1073. Lang, E. M., & Co., Portland, Me.	
Stick, drop and wire solder.	756
1074. Lehner, Johnson, Hoyer Manufacturing Company, Chicago.	
Plumbers' brass goods.	756
1075. McCambridge & Co., Philadelphia.	
Brass material for plumbing, porcelain basins, tubs, etc.	753
1076. Mosely Folding Bath Tub Company, Chicago.	
Folding bath tubs and water heaters.	753
1077. Norton Bros., Chicago.	
Sanitary water closets.	754
1078. Oswego Indurated Fibre Company, Oswego, N. Y.	
Bath tubs, laundry trays, sinks, etc.	753
1079. Peck Bros. & Co., Chicago.	
Brass work for plumbers, etc.	756
1080. Randolph & Clowes, Waterbury, Conn.	
Copper range boilers and brass kettles.	756
1081. Smith & Anthony Stove Co., Boston.	
Water closets, lavatories, bath tubs, sinks, etc.	754
1082. Standard Manufacturing Company, Pittsburg, Pa.	
a Bath tubs, hollow ware.	753
b Plumbers' iron ware and sanitary goods.	756
1083. Steel Clad Bath Tub Co., Detroit, Mich.	
Bath tubs.	753
1084. Stewart Ceramic Company, New York.	
a Wash tubs, sinks, etc.	755
b Bath tubs.	753
1085. Strong, Boyce & Co., Indianapolis, Ind.	
Water closets, washstands, bowls and fixtures.	754

## GROUP 121.

## Miscellaneous Articles of Manufacture Not Heretofore Classed.

Exhibits in this group are installed in Sections P, Block 4; Q, Block 1, and Gallery Sections F and G.

Exhibit No.	
1086. Alpena Spool Co., Alpena, Mich.	
Spool and curtain poles.	Gal. F-1
1088. Brown Bros. M'fg Co., Chicago.	
Vault lights.	Gal. F-1
1092. Campbell Cutlery Co., Syracuse, N. Y.	
Display trays for cutlery, etc.	Gal. F-4
1092a. Cummins, B. F., Co., Chicago.	
Perforating ticket dater. Exit gates.	
1092b. Cushman & Denison, New York.	
Pocket oil cans.	Gal. F-1
Perfect pocket oilers for bicycles, typewriters and sewing machines, etc., etc.	
1094. Daemicke, Paul J., Chicago.	
Counter block, etc., for butchers.	P-4
1095. Diamond Match Company, Chicago.	
Matches.	Gal. F-1
Manufacturers of all kinds of matches for export and domestic use. See match exhibit. See World's Fair Store, 17 Midway Plaisance. Chicago store, 56 Michigan Av.; New York store, 88 Hudson Street, and stores in all other large cities.	
1095a. Excelsior Burglar Alarm Co., Cleveland, Ohio.	
Burglar alarms. Dept. A	
1096. Faries, Robert, Decatur, Ill.	
Display fixtures for stores.	Gal. F-1
Revolving stands a specialty.	
1096a. Haynes, N. B., Co., Chicago.	
Display rack.	Gal. G-5
1096b. Hicks, F. M., & Co., Chicago.	
Footlights and skylights.	Gal. F-1
1097. Hoffman, Geo. Wm., Indianapolis, Ind.	
Metal polishes.	Gal. F-1
1098. Home Embroidery Machine Co., Kansas City, Kas.	
Embroidery machine and sample work.	Gal. G-5
1099. Improved Cloak Rack Co., New York.	
Revolving cloak stands for exhibiting cloaks.	Gal. G-5
1101. International Identification Card Co., Chicago.	
Identification card.	Gal. F-4
1102a. Major, A., New York.	
Cement for rubber and leather goods and crockery ware.	Gal. F-1
1102. Leger, Edward, & Son, Chicago.	
Display stands and fixtures.	Gal. F-1
1103. Matchless Metal Polishing Co., Chicago.	
Metal polishes.	

## Clothing and Costumes.

- Exhibit No.** **Class'n No.**
664. **Lehman, Chas. F., Brooklyn, N. Y.** Cork helmets. Gal. G-7 654
665. **Lewis Knitting Company, Janesville, Wis.** Woolen underwear, knit goods, hosiery, etc. P-1 657
- Full fashioned underwear. A high grade of Derby ribbed underwear made in combination suits and separate garments for men, women and children, from silk, wool, merino, lisle and balbriggan. All garments regular made, tailor trimmed and made in weights for all seasons.
666. **Mayer, Strouse & Co., New York.** Corsets. Gal. G-4 658
- The C/ B a la Spirite are the only corsets manufactured in the United States which have received the highest award, the gold medal at Paris Exhibition, 1889.
- 669a. **McFarlan, A., & Co., Amsterdam, N. Y.** Knit goods and hosiery. P-1 657
670. **Midland Woolen Mills Co., Denver, Colo.** Knitted underwear. P-1 657
672. **Millen, E., & Co., New York.** Shirts. Gal. G-8 658
673. **National Knitting Co., Milwaukee, Wis.** All-wool gloves and mittens, heavy hosiery, lumbermen's socks, knit boots. P-1 657
678. **New Albany Hosiery Mills, New Albany, Ind.** Woolen hosiery. P-1 657
679. **New Home Sewing Machine Company, Otange, Mass.** Sewing machines. Gal. G-2 659
681. **Norfolk & New Brunswick Hosiery Co., New Brunswick, N. J.** Woolen, cotton and mixed underwear. P-1 657
682. **Northrup Glove Company, Johnston, N. Y.** Gloves. Gal. G-8 657
683. **Potter, Thos., Sons & Co., Philadelphia.** Oil cloth. Gal. F-12 636
684. **Rothschild, E., & Bros., Chicago.** Men's clothing. Gal. G-10 652
693. **Self-Threading Sewing Machine Co., New York.** Sewing machine attachment. Gal. G-5 659
- Patent open-eyed needle and attachment for sewing machines. No threading needle by hand. Thread only in needle while going down through the cloth, therefore avoids wear of thread in eye, and sews with silk shoes as easily as other thread. No breaking of needles or thread. Easy tension.
694. **Seybel, F. W., New York.** Ladies' hats. Gal. G-5 655
696. **Siegel Bros., New York.** Ladies' underwear and muslin. Gal. G-3 658
697. **Siegel, F., & Bros., Chicago.** Cloaks. Gal. G-9 653

- Exhibit No.** **Class'n No.**
698. **Singer Manufacturing Company, New York.** Sewing machines. Gal. G-2 654
- For family and manufacturing purposes displayed in Machinery Hall, Manufactures and Liberal Arts, Shoe and Leather Trade Bldgs., agencies in all countries throughout the civilized world. Address Agent Singer Sewing Machine, in all cities and towns and you will receive attention.
701. **Standard Sewing Machine Company, Cleveland, Ohio.** Sewing machines. Gal. G-2 654
702. **Star Knitting Co., Chicago.** Knit goods, hosiery, etc. P-1 657
704. **Stetson, John B., Company, Philadelphia.** Hats. Gal. G-7 654
705. **Stiehl, G. H., & Co., New York.** Head wear. Gal. G-8 654
- Leading manufacturers of novelties of boys and children's cloth and straw headwear. Awarded gold medal, New Orleans, 1885.
706. **Strawbridge & Clothier, Philadelphia.** Costumes and wraps. Gal. G-5 653
707. **Swits Conde, Oswego, N. Y.** Knit goods. P-1 657
709. **Ulrich, Jean, Chicago.** Ladies' tailor made clothing. Gal. F-1 653
710. **United Shirt & Collar Co., Chicago.** Collars, cuffs and shirts; aprons and underwear. Gal. G-9 659
711. **Van Orden Corset Co., New York.** Corsets. Gal. G-3 658
713. **Wachsmuth, L. C., & Co., Chicago.** Ready-made clothing. Gal. G-10 652
- Manufacturers of the celebrated "Happy Home" brand of guaranteed clothing, made of all wool fabrics, and the only clothing in the world guaranteed by the manufacturer through the retail dealer to the consumer.
714. **Waukenhose Co., Boston.** Knit goods, hosiery, etc. P-1 657
718. **Weingarten Bros., New York.** Corsets. Gal. G-4 658
722. **White Sewing Machine Company, Cleveland, Ohio.** Sewing machines. Gal. G-2 659
723. **Wilde, James Jr., & Co., Chicago.** Men's, boys' and children's clothing. Gal. G-9 652
725. **Wire Buckle Suspender Company, Williamsport, Pa.** Suspenders, garters, shoulder braces, etc. Gal. G-6 658
727. **Worcester Corset Company, Worcester, Mass.** Corsets. Gal. G-5 658
- Chicago salesrooms 260 and 262 Fifth ave. New York office, 454 Broadway. The Royal Worcester W. C. C. corsets, combine the

**Furs and Fur Clothing, Laces, Embroideries, Trimmings, Hair Work.**

**Exhibit No.**  
**Class'n No.**  
 highest skill known to the corset art. Style, comfort, economy. 100 styles. Popular prices. Sold direct to retailers. Our salesmen cover U. S. Send for hand book.

**GROUP 105.****Furs and Fur Clothing.**

Exhibits in this group are installed in Section G, Block I.

**73a. Berkhardt, [redacted] Company, The,**  
 Cincinnati. Fur [redacted] 660  
 Importers, manufacturers and exporters. American raw [redacted]. Established 1866. Chicago branch, 702 Columbia Memorial Building, corner State and Washington Sts. Correspondence invited.

**73b. Gunther's, C. G., Sons, New York.**  
 Furs and skins, stuffed animals. 660  
 54 Fifth Ave., New York. Establis'd 1820. Ladies' furs of every description. Fur lined and fur trimmed garments. Gentlemen's fur lined overcoats. Fur rugs and robes, pelts and skins, mounted heads and horns. Correspondence and inspection invited. Medal awarded Expos'n Universelle, Paris, 1867.

**73c. Liebes, H., & Co. (Inc.), San Francisco.** Manufactured furs. 662  
 The world's headquarters for sealskin garments and fine furs of every description. 310 to 139 Post St. Chicago office during exposition, 808 Columbus Memorial Bldg., State and Washington Sts.

**73d. Shayne & Co., Chicago.** Furs, fur garments and pelts. 660  
 C. Shayne, 124-126 W. 42d st., New York; E. T. Shayne, 191-193 State st., Chicago, exporters, manufacturers and manufacturers of high class furs. Seal and mink garments a specialty. Correspondence solicited.

**73e. Treadwell, Geo. C., Company, Albany, N. Y.** Seal fur garments. 662  
 Seal of Treadwell's Dye, which has been in constant use since 1852. Seals own from raw skins to highest grade of garments made.

**73f. Wolf & Perolat, Chicago.** Furs and garments, mounted animals. 660

**GROUP 106.**

**Embroideries, Trimmings, Artificial Flowers, Fans, etc.**

Exhibits in this group are installed in Section N, Block I and Gallery, Sections F and G.

**Ball & Socket Fastener Co., Boston.**  
 Fasteners for gloves, coats, bags, etc.  
 Gal. F-1 668

**Exhibit No.**  
**Class'n No.**

**739. Rodeamann, Johannes, Chicago.** Embroideries. Gal. F-1 669

**740. Crotty & Mitchell, Weedsport, N. Y.** Dress stays. Gal. F-1 668

**753. Excelsior Quilting Company, New York.** Fancy stitching and quilting. Gal. F-4 665

**757. Gerschel, Victor, & Co., New York.** Pearl buttons. Gal. G-6 668

**775. New England Pin Company, Winsted, Conn.** Pins. Gal. F-4 668

**776. New England Whalebone Manufacturing Company, New York.** Articles made from whalebones. Gal. F-4 668

**783. Richardson & DeLong Bros., Philadelphia.** Patent hooks and eyes. Gal. G-3 668

**784. Samaha, A., Philadelphia.** Gold and silver embroideries. Gal. F-1 669

**785. Tiffany Glass & Decorating Co., New York.**

a Needle work, etc. Gal. N-1 665  
 b Art embroidery. 669

**786. Tiffany & Co., New York.** Jade fan and ostrich feather fans. N-1 667

**GROUP 107.****Hair Work, Coiffures and Accessories of the Toilet.**

Exhibits in this group are installed in Gallery, Sections F and G.

**807. Burnham, E., Chicago.** Hair goods, jewelry, tools, etc. Gal. F-7 673

**807a. Blumenthal, M. & B., Chicago.** Hair goods and novelties. Gal. F-7 672

**808. India Rubber Comb Company, New York.** Combs and brushes. Gal. F-4 675  
 "I. R. Comb Co.'s unbreakable combs;" every comb warranted. Imperial rubber brushes warranted not to split or warp. Agents for United States Comb Co. and Atlantic Comb Co.

**810. Nicol & Co., Chicago.** Hair tools and heaters. Gal. G-7 674

**811. Palmetto Fibre Company, Chicago.** Brushes. Gal. F-1 675

Manufacturers of all kinds of palmetto-fibre brushes. Known to be the best fibre for scrub and horse brushes discovered. Will clean quicker, last longer than brushes made of any other material. See World's Fair exhibit. Chicago store, 56 Michigan ave. Factory, Frederick, Md.

## Traveling Equipments, Toilet Cases, Etc., Rubber Goods, Toys and Fancy Articles.

## GROUP 108.

**Traveling Equipments, Valises, Trunks, Toilet Cases, Fancy Leather Work, Canes, Umbrellas, Parasols, etc.**

Exhibits in this group are installed in Section N, and Gallery, Sections F and G with one exception.

Exhibit No.	Class'n No.	
812. Cheval Standard Co., New York.		
Horse measuring canes.	Gal. F-4	681
813. DeMuth, Wm., & Co., New York.		
a Smokers' articles.	O-1	680
b Walking canes.		681
814. Ebel, Rev. Adolph, Chicago. Carved meerschbaum pipe.	Gal. G-11	680
814a. Gorham Manufacturing Co., Providence, R. I.		
a Fancy bags, purses, card cases, etc.	N-1	680
b Canes.		681
c Umbrellas and parasols.		682
815. Hacker, J. C., New York. Leather goods and novelties.	Gal. G-8	680
816. Hirsh & Bro., Philadelphia. Umbrellas and parasols.	Gal. G-10	682
820. Palica, F. J., Racine, Wis. Trunks.	Gal. G-8	679
821. Raab, J. David, Chicago. Bureau trunks.	Gal. G-8	679
821a. Rosenblatt, H. M., & Co., Chicago. Shawl straps.	Gal. F-7	677
821b. Tiffany & Co., New York.		
a Dressing cases and valises.	N-1	679
b Cases for silverware, jewelry, etc.		679
c Fancy bags, pouches, purses, card-cases, smokers' articles, etc.		680
d Cases, silver and gold mounted.		681
e Umbrellas and parasols, fancy handles.		682
822. Wilt, Chas. T., Chicago. Travelers' equipments.	Gal. G-8	679

## GROUP 109.

**Rubber Goods, Caoutchouc, Gutta Percha, Celluloid and Zylonite.**

Exhibits in this group are installed in Gallery, Section G.

823. American Rubber Co., Boston. Mackintoshes, rubber and oil clothing.	Gal. G-13	683
824. Bailey, C. J., & Co., Boston. Rubber brushes and novelties.	Gal. G-13	683
825. Elastic Tip Company, Chicago. Rubber specialties	Gal. G-11	686

Exhibit No.

826. India Rubber Comb Company, New York. Hard and soft rubber goods.

Gal. E-13 684

Combs, brushes, hair pins, mechanical goods, hard and soft rubber syringes, water bottles, druggists' sundries.

828. Stoughton Rubber Company, Boston. Rubber garments.

Gal. G-13 688

829. Towers, A. J., Boston. Waterproof clothing.

Gal. G-13 688

We lead the world in our celebrated fish brand slickers, hats and horse covers. See catalogue.

## GROUP 110.

**Toys and Fancy Articles.**

Exhibits in this group are installed in Gallery, Sections F and G, with one exception.

830. Atkinson, Geo. F., San Francisco. California wood novelties.

Gal. F-1 686

831. Converse, Morton E. & Co., Woburn, Mass. Toys and novelties.

Gal. F-7 688

Great variety drums, trunks, dolls' furniture, toys, games, novelties, etc. Fine display. Largest wood toy factory in the world.

832. Estes, E. B., & Sons, New York. Turned wooden novelties.

Gal. F-4 684

832a. Hansen, E., Philadelphia. Art novelties; inlaid pearl mosaics.

Gal. F-8 685

832b. Ihling Bros. & Everard, Kalamazoo, Mich. Duplicate whist trays.

Gal. F-14 688

833. Ives, Blakeslee & Williams Co., New York. Mechanical toys.

Gal. F-7 688

834. Jansen, Ed., New York. Fancy baskets.

Gal. G-1 686

Novelties in baskets of fancy and artistic design, decorated and plain.

124 W. 19th St.

835. Joy & Seliger, Newark, N. J. Fancy articles.

Gal. F-1 686

Manufacturers of toilet cases and novelties made from aluminum, white metal, brass and celluloid; makers of patented elastic metal belts of all descriptions. World's Fair novelties and specialties.

836. Mermod & Jaccard Jewelry Co., St. Louis. Monograms and dies.

Gal. G-3 686

837. Parker Bros., Salem, Mass. Parlor games and toys.

Gal. F-4 686

838. Pattberg, Lewis & Bro., Jersey City, N. J. Fancy goods.

Gal. F-7 684

Estab. 1859. Medals, Phila. and Paris.

839. Pia, Peter F., New York. Peter toys.

Gal. F-7 688

## Scales, Weights and Measures, Material of War, Etc.

Exhibit No.		Class'n No.
840.	Rice & Hochster, New York. Tor- toise shell articles. Gal. F-4	695
841.	Rosenblatt & Co., Chicago. Plush and leather boxes, etc. Gal. F-7	694
842.	Ross, M. B., Cambridgeboro, Pa. Game. Gal. G-11	693
843.	Tiffany & Co., New York. a Bonbonieres and fancy boxes, etc. N-1	694
	b Fancy leather and gold pocket- books, blotters, etc.	695
844.	Wahl, Emil, Fancy Bone Manufac- turing Company, Philadelphia. Fancy bone goods. Gal. F-4	695

## GROUP 112.

## Scales, Weights and Measures.

Exhibits in this group are installed in Section Q, Block 1.

845.	Buffalo Scale Company, Buffalo, N. Y. Scales.	706
846.	Chicago Scale Co., Chicago. Scales. Stock Pavilion	707
846a.	Chicago Spring Balance Co., Chicago. Scales and balances. Q-1	707
847.	Fairbanks, E. & T., Co., St. Johns- bury, Vt. Scales, weights and measures.	706
	Fairbanks' scales, the world's standard. Over one thousand modifications.	
848.	Kirk & Bailey, Cincinnati. Family scales, bicycle grindstones, etc.	706
849.	Metric Metal Company, Erie, Pa. Gas meters.	711
850.	Mogul Manufacturing Company, New York. Spring scales.	706
851.	National Meter Company, Brooklyn, N. Y. Water meters.	711
	Makers of the noted Crown, Gem, Nash and Empire meters. All sizes for all duties.	
852.	Neptune Meter Co., New York. Water meters.	711
853.	Springer Torsion Balance Company, New York. Scales.	706
854.	Thomson Meter Company, Brooklyn, N. Y. Water meters.	711
	Made entirely of bronze composition except the disk, which is steel covered with hard rubber. Our latest product, the "Bee," is interchangeable in every part. Sizes $\frac{1}{4}$ to 6 inches. Accurate, durable, low priced and the very best. Used in over 500 cities. Sales in 1892, 13,000. Silver medal, Paris, 1889.	
854a.	Troemner, H., Philadelphia. Balance scales. Q-1	708

Exhibit No.		Class'n No.
855.	Worthington, Henry R., New York. Water meters. Dept. F	711
	London office, 153 Queen Victoria St.; Paris, 43 Rue Lafayette; Berlin, 48 Kaiser Wilhelm St.; Brussels, 12 Boulevard du Nord; Am- sterdam, Keizersgracht 745; Glasgow, 21 W. Nile St., Vienna, 7 Reichsraths St.; Calcutta, 1 Lall Bazar; Sydney, 58 Pitt St.; Copen- hagen, Buda Pesth; Milan, Naples.	

## GROUP 113.

## Material of War; Ordnance and Ammunition; Weapons and Apparatus of Hunting, Trapping, etc.; Military and Sporting Small Arms.

Exhibits in this group are installed in Sections Q, Block 3, P, Block 4, and N, Block 1.

856.	Bannerman, Francis, New York. Guns. Q-8	714
	Shot guns—8 shots in 3 seconds, 6,000 in use. Riot guns, regltn. U. S. A. prison guard gun.	
856a.	Bethlehem Iron Company, South Bethlehem, Pa. Heavy ordnance and its accessories.	716
	Trunnion Hoop, 12 in., B. L. Rifle, smooth forged. Gun hoops. Company makes spe- cialty of steel forgings, hollow shafting, cranks, rolls, guns and armor, rough ma- chined or finished, fluid compressed, hy- draulic forged; nickel-steel "Harvey" armor of great toughness and unrivaled resistance.	
857.	Bridgeport Gun Implement Company, Bridgeport, Conn. Gun implements.	
858.	Brooks, C. C., Arms & Tool Co., Portland, Me. Q-3	718
	a Knives, etc. Q-3	717
	b Shotguns and rifles.	718
859.	Burgess Gun Company, Buffalo, N. Y. Fire-arms. Q-8	714
861.	Colt's Patent Fire-arms Manufac- turing Company, Hartford, Conn. Fire- arms. Q-3	714
861a.	Henderson-Ames Co., Kalamazoo, Mich. Swords. N-1	717
862.	Ideal Manufacturing Company, New Haven, Conn. Gun implements and am- munition. Q-3	718
863.	Jordan, Louis, Chicago. Shotguns. P-4	718
864.	Lefever Arms Company, Syracuse, N. Y. Hammerless guns. Q-3	718
865.	Marlin Fire-arms Company, New Haven, Conn. Fire-arms. Q-3	714

## Material of War, Lighting-Apparatus, Heating and Cooking Apparatus.

**Exhibit No. 866.** **Parker Bros., Meriden, Conn.** **Class'n No. Q-3 718**  
 Manufacturers of the celebrated Parker gun, hammerless and hammer. The oldest and largest manufacturers of breech-loading shotguns in America.

**867. Remington Arms Company, Ilion, N. Y.** **Fire-arms. Q-3 714**  
 Agencies: New York and San Francisco. Est'd 1816. Nearly 2,000,000 Remington rifles in use. M'frs of celebrated Lee magazine rifle; also 50 cal. N. Y. state model and 43 Spanish-Standard arm of S. America; sporting rifles, shotguns, revolvers, high-grade pneumatic bicycles and sewing machines.

**868. Smith & Wesson, Springfield, Mass.** **Revolvers. Q-3 714**  
 Manufacturers of superior automatic, shell-extracting revolvers. Unequaled for force, accuracy, durability, excellence of material, workmanship, beauty of finish, convenience in loading, and safety. All goods guaranteed. Address, Springfield, Mass., U. S. A.

**869. Union Metallic Cartridge Company, Bridgeport, Conn.** **Metallic ammunition. Q-3 714**

Agency, 313 Broadway, New York, N. Y. Depot, 10 Front St., San Francisco, Cal. Ammunition-Pioneer American Factory. Largest facilities; greatest output. Contractors to U. S. and foreign governments. Cartridges, paper and brass shot shells, wads, primers, percussion cups, etc.

**870. Winchester Repeating Arms Company, New Haven, Conn.**

*a* Military small arms and ammunition. **Q-3 714**

Several systems of military small arms (repeaters and single-loaders). Ammunition for military small arms; for hunting, sporting, target and pastime rifles; for pistols and for shotguns. Awarded grand prize at Paris Exposition, 1889.

*b* Sporting and hunting fire-arms. Reloading tools. **718**

Sporting, hunting, target and pastime rifles (repeaters and single-loaders), several systems. Repeating shotguns, two systems. Reloading tools for metallic cartridges. Awarded grand prize at Paris Exposition, 1889.

## GROUP 114.

## Lighting Apparatus and Appliances.

Exhibits in this group are installed in Section N, Blocks 1 and 3.

**877. American Automatic Lighting Co., Meriden, Conn.** **Lighting system. N-3 719**

**Exhibit No. 872. American Brass and Lamp Co., Trenton, N. J.** **Lamps; fancy brass and metal glass articles. N-3 719**  
 Consolidating Clark Bros. Lamp, Brass & Copper Co. and Swan & Whitehead.

**873. Dietz, R. E., Chicago.** **Lamps and lanterns. N-3 720**

**875. Globe Light & Heat Co., Chicago.** **Street lamps, gas and electric fixtures, reflectors and heating specialties. N-3 720**

**876. Hohenstein, H., New York.** **Lamp and candle shades, candles, etc. N-3 719**

**877. Rochester Lamp Company, New York.** **Lamps. N-3 719**

**878. Schultz Gas Fixture & Art Metal Co., Baltimore.** **Gas and electric fixtures; ornaments. N-3 721**

**879. Steam Gauge & Lantern Co., Syracuse, N. Y.** **Lamps and lanterns. N-3 720**

**880. Tiffany Glass & Decorating Co., New York.**  
*a* Gas fixtures. **N-1 721**  
*b* Electric fixtures. **722**

## GROUP 115.

## Heating and Cooking Apparatus and Appliances.

Exhibits in this group are installed in Sections O, Blocks 3 and 4; N, Block 4; and P, Block 4.

**881. Abendroth Bros., Port Chester, N. Y.**

*a* Furnaces. **O-3 725**  
*b* Hot water heaters. **726**  
*c* Stoves and ranges. **727**

**882. America Heating Company, Richmond, Ill.** **Hot water heaters. O-3 727**

**883. American Radiator Company, Chicago.** **Steam and water radiators. O-4 726**  
 Largest radiator makers in the world. General offices, 111 and 113 Lake street, Chicago. Branches, New York, Boston, Denver, Minneapolis and St. Paul. Factories, Detroit, Mich., and Buffalo, N. Y. Highest award Paris Exposition 1889.

**884. Beckwith, P. D., Estate of, Dowagiac, Mich.** **Stoves. O-3 727**

Sole manuf'rs of round oak stoves and furnaces, made as specialties, and for all kinds of fuel the best in the world. Fred E. Lee, general manager, O. G. Beach, sales manager.

**885a. Born Steel Range & M'f'g Co., Cleveland, Ohio.** **Ranges. O-3 727**

**886. Bucks Stove & Range Co., St. Louis.** **Stoves and ranges. O-4 727**

## Heating and Cooking Apparatus and Appliances.

- | Exhibit No.   | Class No. | Exhibit No.  | Class No. |
|---|-----------|--|-----------|
| 7. Buzzacott, Francis Henry, Fort Sheridan, Ill. Army ovens, cookers, etc.  | O-3 727   | 907. Gordon & Lidgerwood Co., New York. House heating boiler.  | O-3 726   |
| Buzzacott's Army Field Ovens and Portable Camp Cookers as used by the entire U. S. Army, National Guard and Sporting Fraternity for all outdoor cooking, etc.                 | O-3 727   | 908. Goodell Company, Astrim, N. H. Apple and potato parers, seed sowers, cherry stoners, etc.   | O-3 730   |
| Chapman, H. M., Chicago. Boiler and heaters.  | O-3 726   | 911. Griffing, A. A., Iron Company, Jersey City, N. J. Radiators.  | O-3 726   |
| Chicago Clothes Dryer Works, Chicago. Laundry stoves and clothes dryers.  | O-3 727   | Largest plant in the world engaged exclusively in the manufacture of cast iron radiators, viz., Bundy Standard and Sectional Radiators, Columbia, Elite, Pyro, Defiance, Triumph, Climax, Perfect, Steam or Hot Water. Works, Jersey City, N. J. Offices, 15 Dey St., New York; Chicago and Phila. |           |
| Chicago Stove Works, Chicago. Ranges and stoves.  | O-4 727   | 913. Hill, Whitney & Co., Boston. Cookers, broilers and frying pans.   | O-3 730   |
| Manufacture the Gold Coin stoves in every size and for burning any kind of fuel, ice and salesroom at our works, corner Madison Island avenue and Twenty-second St., Chicago. |           | Steamless and odorless; made from aluminum and iron; light and indestructible.   |           |
| Clark, George M., & Co., Chicago. Gas and gasoline stoves.  | O-3 728   | 914. Howard Thermostat Company, Syracuse, N. Y. Heat regulators.   | O-3 728   |
| Under the name of "Jewel" we manufacture gas-seven gas stoves, forty gasoline stoves, and one oil-heating stove. Full line of stoves of their kind in the world.              |           | 915. Huette-Barler Manufacturing Company, Chicago.   |           |
| Collins & Burgie, Co., Chicago. Stoves and ranges.  | O-4 727   | a Gas heaters.   | O-3 728   |
| Co-operative Foundry Company, Rochester, N. Y. Stoves and heaters.  | N-4 727   | b Oil heaters.   | 729       |
| Color and cooking. Trade mark, "Red Cross Stoves and Ranges." Western agency, R. Robinson & Sons, Chicago. Northwestern agency, Lindemann & Sons, Milwaukee, Wis.             |           | 916. Jackson, Edwin A., & Bros., New York. Grates.   | O-3 724   |
| Cortland Howe Ventilating Stove Company, Cortland, N. Y. Heating stoves.  | O-3 727   | 917. Johns, B. B., Philadelphia. Stove and metal polish.   | O-3 727   |
| Cribben, Sexton & Co., Chicago. Stoves and ranges.  | O-4 727   | No brush or water. Will not burn or wash off.  |           |
| Daggett, W. A., & Co., Vineland, N. J. Roaster and baking pan.  | O-3 730   | 918. Kahn, F. & L., & Bros., Hamilton Ohio. Stoves and ranges.   | O-3 727   |
| Dangler Stove & Manufacturing Co., Vineland, Ohio. Vapor stoves and ranges.   | O-3 726   | 919. Kelsey Furnace Company, Syracuse, N. Y. Furnaces.   | O-3 725   |
| Enterprise Manufacturing Company, Philadelphia. Hardware specialties.   | O-3 730   | 919a. Kingsley & Davis, Barrington Centre, R. I. Nutmeg mill.  | O-4 730   |
| Edwards Parlor Lamp Stove Co., Chicago. Parlor lamp stove.  | O-3 729   | 922. Magee Furnace Company, Boston. a Furnaces.  | O-4 725   |
| Farquhar Heating Company, Chicago. Furnaces and heaters.  | O-3 729   | b Stoves and ranges.   | 729       |
| Fuller, Warren Company, Milwaukee, Wis. Furnaces and heating apparatus.   | O-4 725   | Fine work a specialty. Branches, 86 Lake Street, Chicago; 242 Water Street, New York.  |           |
| Troy, N. Y. Largest producers of stoves, ranges and furnaces in the world. Exclusive manufacturers of P. P. Stewart stoves and ranges.  |           | 923. Mason & Davis Company, Chicago. Ranges and laundry stoves.  | O-4 727   |
|   |           | Wrought steel ranges for families, restaurants and hotels. Coal, wood or gas and combination ranges to burn coal or wood in one section, and gas in the other. Also canopies, broilers and laundry stoves. Agents in all principal cities.   |           |
|   |           | 924. Meltselbach, A. F., & Bro., Newark, N. J. Can openers.  | O-3 730   |
|   |           | "Columbia," high grade, warranted.   |           |
|   |           | 925. Michigan Stove Company, Detroit, Mich. Stoves and ranges.   | O-4 727   |
|   |           | 926. Milford Manufacturing Company, Milford, Ohio. Carpet sweepers.  | O-3 730   |

## Heating and Cooking Apparatus and Appliances.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
927. Miller, Wm., Range & Furnace Co., Cincinnati.		943a. Southern Stove Works, Evansville, Ind. Washing machines.	0-3 730
a Ranges, stoves and ovens.	0-3 727	944. Spicer Stove Company, Providence, R. I.	
b Kitchen utensils.	730	a Furnaces.	0-3 725
928. Milwaukee Gas Stove Company, Milwaukee, Wis. Gas ranges and heaters.	0-3 728	b Stoves and ranges.	725
929. New Era Fuel Appliance Company, Chicago. Gas ranges, heaters, etc.	0-3 728	This company has made a phenomenal success of their productions since they commenced business in 1850. The Model Ranges and Parlors are the most perfect constructions yet made. Their "Model Grands" represent the very latest ideas of one of the most progressive makers in the world.	
Clothes-dryers for dwellings, flats and hotels.		946. Stone M'fg Co., Columbus, Ohio.	
Laundry stoves, gas ranges.		Clothes wringers.	0-3 729
929a. Nevins, Laura, Range & Heating Co., Minneapolis, Minn. Stoves and ranges.	0-3 727	947. Stroud, Jas., New York. Roasting pans and rollers.	0-3 729
930. North-Western Stove Repair Company, Chicago. Stove repairs, water-backs, etc.	0-3 727	947a. Superior Furnace Co., Little Falls, N. Y. Hot air furnaces.	0-3 725
930a. Ohmer Flour Bin Co., Dayton, Ohio. Flour bins and sifters.	P-4 730	948. Tuttle & Bailey Mfg. Co., New York. Registers, ventilators, screens, pedestals, etc.	0-3 725
931. Pease, J. F., Furnace Company, Syracuse, N. Y. Hot water, steam and combination heaters.	0-4 725	Also at Boston. Every variety of registers for heating and ventilation; of superior movements, finish and designs. Awarded first prize Centennial Exhibition, 1876.	
932. Peninsular Stove Company, Detroit, Mich.		948a. Thomas, Roberts, Stevenson Company, Philadelphia. Stoves and ranges.	0-3 727
a Furnaces.	0-4 725	The horizontal boiler ranges made by this company take no brick work, occupy less space, make more hot water for the bath than a vertical boiler twice its size.	
b Stoves, ranges.	727	948b. Traub, S. B., Range Co., Chicago.	
933. Powers Duplex Regulator Company, Chicago. Temperature regulators.	0-3 726	a Ranges and broilers.	0-3 727
934. Pugh & Grovenor, Casselton, N. D. Stoves and drums.	0-3 727	b Carving table.	729
935. Rathbone, Sard & Co., Chicago. Stoves and ranges.	0-4 727	948c. Universal Sad Iron Co., Milwaukee, Wis. Charcoal irons.	0-3 729
936. Reading Stove Works, Reading, Pa. Stoves, heaters, ranges and hot air furnaces.	0-4 727	949. Warner, J. W., Oneida, N. Y. Hot water heater and boiler.	0-3 725
937. Resor, Wm., & Co., Cincinnati. Stoves and ranges.	0-4 727	Most rapid circulating boiler ever made.	
938. Richardson & Boynton Co., Chicago.		951. Wilcox Water Heater Company, Chicago.	0-3 725
a Furnaces, ranges and steam heating apparatus.	0-4 725	a Hot water heater and radiator.	725
b Heating apparatus.	726	b Dish washer.	729
c Ranges.	727	952. Woods, Sherwood & Co., Lowell, Mass. White wire household goods.	0-3 729
940. Ridgway Furnace Company, Boston. Furnaces.	0-3 725	953. Woven Down Duster Company, Chicago. Dusters.	0-3 729
Revolving open fire pot heaters. Awarded gold medal by Mass. Char. Mch. Assn. in 1892.		954. Wrought Iron Range Company, St. Louis.	
942. Ronalds & Co., New York. Boilers and copper ware.	0-3 727	a Furnaces.	0-3 725
942a. Schlueter, A. & F., Oakland, Cal. Oil cans.	P-4 730	b Stoves and ranges.	727
943. Smith & Anthony Stove Co., Boston.		c Kitchen utensils.	730
a Heaters.	0-3 726		
b Ranges and furnaces.	727		

## Refrigerators, Hollow Metal Ware, Tinware, Enameled Ware.

## GROUP 116.

## Refrigerators, Hollow Metal Ware, Tinware, Enameled Ware.

Exhibits in this group are installed in sections P, Blocks 3 and 4; H, Block 3; G, Block 4; O, Block 2, and N, Block 4.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 54. Adams & Westlake, Chicago. Oil cans, flour sifters, etc.  | G-4 739     |
| 55. Alaska Refrigerator Company, Muskegon, Mich. Refrigerators, beer coolers, etc.  | P-4 731     |
| 56. Belding Manufacturing Company, Chicago. Refrigerators.  | P-4 731     |
| 57. Chapman Manufacturing Company, Meriden, Conn. Hardware specialties.   | P-3 733     |
| 57a. Daemicke, Paul J., Chicago. Refrigerators and cooling rooms. P-4 731   |             |
| 58. Grand Rapids Refrigerator Company, Grand Rapids, Mich. Refrigerators.   | P-4 731     |
| 59. Griswold Manufacturing Company, Erie, Pa. Cast iron hollow ware.  | G-4 732     |
| 60. Manufacturers of the celebrated extra finished Erie Hollow Ware American Dampers, American Waffle Irons, and all kinds of kitchen furniture. Send for catalogue.  |             |
| 61. Hurd Refrigerator Company, Duluth, Minn. Refrigerators.   | P-4 731     |
| 62. Celebrated Hurd household refrigerators. Butchers' cooling rooms, beer coolers, ice bank, saloon, store fixtures.   |             |
| 63. Iron Clad Manufacturing Company, New York. Enameled ware; milk cans.  | N-4 734     |
| 64. Keen & Hagerty, Baltimore. Tinware.   | G-4 733     |
| 65. Lippincott, Chas. & Co., Philadelphia. Soda water apparatus.  | H-3 731     |
| 66. Soda water apparatus; copper and iron cooking machinery and generators, copper steel fountains, extracts, fruit juices, pies, etc. Branches: Chicago, St. Louis, Minneapolis, San Francisco, Boston, Cincinnati and Waco. |             |
| 67. Low Art Tile Company, Chelsea, Mass. Soda fountain.   | H-3 731     |
| 68. Most artistic and best ever made.   |             |

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 967. Matthew, John, Apparatus Company, New York. Soda water apparatus.  | H-3 731     |
| 968. Northern Refrigerator Company, Grand Rapids, Mich. Refrigerators.  | P-4 731     |
| 969. Manufacturers of the famous Glacier cold dry-air refrigerators.  |             |
| 969. Puffer, A. D., & Sons, Boston. Soda water apparatus.   | H-3 731     |
| 971. Shirk, G. M., Manufacturing Co. Chicago. Refrigerators.  | P-4 731     |
| 972. Smith & Anthony Stove Co., Boston. Kettles.  | G-4 732     |
| 973. Sperry, D. R., & Co. Batavia, Ill. Cooking utensils.   | G-4 732     |
| 974. Caldrons, bailed kettles, steam jacket kettles, vacuum pans, drug mortars, amalgam retorts, "The Profit" farm boilers, hollow-ware, etc. Send for catalogue.   |             |
| 975a. Summit Refrigerator Co., Michigan City, Ind. Refrigerators.   | O-2 731     |
| 974. Thomson, J. S., Erie, Pa. Refrigerators.   | P-4 731     |
| 975. Tufts, Jas. W., Boston. Soda water apparatus.  | H-3 731     |
| 976. Vienna Enamel & Stamping Co., Chicago. Enameled steel ware.  | P-4 734     |
| 977. 149 Lake st., Chicago. Works, Porter, Ind.   |             |
| 977. Vollrath, The Jacob J., Manufacturing Company, Sheboygan, Wis. Iron ware.  | N-4 734     |
| 978. Wagner Manufacturing Company, Sidney, Ohio. Hollow ware.   | H-3 732     |
| 978a. Wickes Refrigerator Co., Chicago. Cooling room.   | H-3 732     |
| 978b. Wilke, Fred A., Richmond, Ind. Portable china kilns.  | P-4 732     |
| 979. For firing decorated china.  |             |
| 979. Wisconsin Refrigerator Company, Eau Claire, Wis. Hardwood household refrigerators.   | P-4 731     |
| 980. Established 1889. High grade refrigerators. Perfect system of circulation. Cleansable flues, use of which makes refrigerator always sweet and prevents disagreeable odor found in all other refrigerators. Mineral wool filled. Awarded highest prize (gold medal) Jamaica Exposition, 1891. |             |
| 979a. Zwietusch, Otto, Milwaukee, Wis. Soda water and dispensing apparatus.   | H-3 731     |
| 981. Columbian draft apparatus; steel fountains. Highest medal Centennial Exposition, 1876. Chicago Branch, 419 Dearborn St.  |             |

## Wire Goods and Screens, Wrought Iron and Plain Metal Exhibits.

## GROUP 117.

## Wire Goods and Screens, Perforated Sheets, Lattice Work, Fencing, Etc.

Exhibits in this group are installed in Sections Q, Blocks 2 and 3; H, Block 3, and N, Block 1.

Exhibit No.	Class No.
980. Baackes Wire Nail Company, Cleveland, Ohio. Wire of every description.	Q-3 735

981. Burrowes, E. T., & Co., Portland, Me. Wire window screens and doors.	Q-3 738
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Screen factories, the largest in the world. Specialty, screening new houses to order; 35,000 fine houses screened by us in 42 states. Offices in all large cities.

982. Clinton Wire Cloth Company, Clinton, Mass. Wire of all kinds.	Q-3 765
--	---------

983. Gilbert & Bennett Manufacturing Co., Chicago. Wire goods.	Q-3 735
--	---------

Oldest and leading makers of galvanized wire goods, wire cloth and fencing in America; 75 years in business. Georgetown, Ct.; 44 Cliff St., New York; 148 Lake St., Chicago.

983a. New Jersey Wire Cloth Co., Trenton, N. J. Wire lath.	H-3 735
--	---------

984. Roebling's, John A., Sons Company, Chicago. Wire of all descriptions.	Q-2 735
--	---------

Bare and insulated copper wire for all purposes; telegraph wire; wire cloth and nettings. Offices and warehouses: 171-173 Lake St., Chicago; 117 Liberty St., New York; 25 Fremont St., San Francisco.

984a. Tiffany Glass & Decorating Co., New York. Artistic lattice work.	N-1 740
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985. Translucent Fabric Company, Clinton, Mass. Translucent fabrics for windows and transoms.	Q-3 735
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986. Trenton Iron Co., Trenton, N. J. Wire of various kinds.	Dept. G 742
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987. United States Wire Mat Company, Decatur, Ill. Wire mats and matting.	Q-3 741
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988. Washburn & Moen Manufacturing Co., Worcester, Mass. Wire of all kinds.	Q-3 742
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Attention is called to the Washburn & Moen M'fg Co.'s advertisement in the Official Directory of the World's Columbian Exposition; also to their exhibit, located in the Manufactures and Liberal Arts Building, Section Q, 3, N. E. space 23.

## GROUP 118.

## Wrought Iron and Plain Metal Exhibits.

Exhibits in this group are installed in Sections G, Block 4; H, Block 3; P, Block 4, and N, Block 1.

Exhibit No.	Class No.
989. Barnum, E. T., Detroit, Mich. Wire and ironwork.	H-3 743
990. Bayer & Scherbner, New York. Artistic wrought iron, grille work, etc.	H-3 743

Manufacturer and patentee of folding gates for elevator and store entrances.

991. Bryant & Watson, Crawfordsville, Ind. Crest tile.	H-3 743
--	---------

992. Canton Steel Roofing Company, Canton, Ohio. Sheet metal roofing, siding, etc.	H-3 743
--	---------

992a. Capewell Horse Nail Co., The, Hartford, Conn. Horse shoe nails.	P-4 743
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Organized 1880. Makers of the Capewell horse nail, famous as "the best horse nail in the world," and of the Capewell patent corrugated horse nail, which does not need clinching. Used in U. S. Army. Chicago branch, 15 S. Jefferson St.

993. Central Iron & Steel Works, Brazil, Ind. Wrought iron turnbuckles.	H-3 743
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994. Champion Iron Company, Keaton, Ohio. Ironwork and ornamental iron.	H-3 743
---	---------

996. Cortright Metal Roofing Company, Philadelphia. Metal tiles and shingles.	H-3 743
---	---------

996a. Desmond, Cornelius, Pittsfield, Mass. Horse shoes.	G-4 743
--	---------

997. Hainsworth, F. & Son, Chicago. Iron grille work.	H-3 743
---	---------

998. Hogar, John, Fitchburg, Mass. Horseshoes.	G-4 743
--	---------

998a. Nielsen, N. P., Chicago. Horse shoes.	G-4 743
---	---------

999. North Western Horse Nail Manufacturing Company, Chicago. Horseshoes and nails.	G-4 743
---	---------

Manufacturers of highest grade nails. Large and small heads for general use. Makers of the Doble nail, the Kent special and the finest plate nails for the shoeing of trotters, pacers and race-horses. All styles and sizes shown in exhibit.

1000. Omniform M'fg Co., New Brunswick, N. J. Horseshoes, and methods of shoeing horses.	G-4 743
--	---------

1001. Putnam Nail Company, Boston. Horseshoe nails.	G-4 743
---	---------

Hot forged by hammer blows from the roll

## Wrought Iron and Plain Metal Exhibits, Vaults, Safes, Hardware, Tools, Cutlery.

Exhibit No.	Class'n No.
and hammer pointed without shearing. Highest award at Philadelphia Centennial. Government standard.	
1002. Rhode Island Perkins Horseshoe Company, Providence, R. I. Horseshoes and toe calks.	G-4 746
1003. Russell, Wm., Cincinnati. Horseshoes.	G-4 746
For best display of morbid specimens of horses' feet caused by improper shoeing. For best display of handmade horse shoes. For best display of horse shoers' tools. Russell on scientific horse shoeing.	
1003a. Seidels, Paul, Ornamental Architectural Iron Works, Chicago. Ornamental iron forgings.	H-3 743
1003b. Tiffany Glass & Decorating Co., New York. Wrought iron work, artistic forgings.	N-1 743
1004. Van Every, C. M., Jr., Bronson, Mich. Iron and steel forgings.	H-3 745&746
1005. Wedekind, Wm., Hagerstown, Ind. Horse shoes and horse shoe tools.	H-3 746
1006. Winslow Bros. Company, Chicago. Ornamental iron.	H-3 743
Stairs, railings, elevator enclosures, grille work, hammered leaf, or artistic wrought iron work, finished in our Bower-Barff rustless process, electro-plated in bronze, brass, copper or silver. Solid aluminum duplex electro-bronze and fire gilding.	

## GROUP 110.

## Vaults, Safes, Hardware, Tools, Cutlery.

Exhibits in this group are installed in Sections P, Blocks 3 and 4; O, Block 3; Q, Block 2; and Gallery, Section F.

1007. American Screw Company, Providence, R. I. Screws, bolts, rivets, etc.	P-3 747
1007a. American Vault, Safe and Lock Co., Chicago. Vaults, safes and locks.	O-3 752
1008. Ames, Oliver, Sons Corporation, North Easton, Mass. Shovels, spades, etc.	P-4 748
1009. Atlas Tack Corporation, Boston. Tacks, brads, nails, glaziers' points, etc.	P-3 747
Established 1810, consolidated 1891. The oldest and largest manufacturers in the world of tacks, brads, nails, tufting, buttons, scutcheon pins, glaziers' points, eyelets, rivets, staples, pilgrim spring beds, and other articles. Chicago office, 239 Lake street.	

Exhibit No.	Class'n No.
1010. Bardsley, Jos., New York. Wooden door knobs, door springs, checks and checking spring hinges.	P-3 747
1011. Barney & Berry, Springfield, Mass. Ice and roller skates.	P-4 751
1012. Baker, L. A., & Co., Elgin, Ill. Shingle nailing machine.	P-4 748
1013. Blount Manufacturing Company, Boston. Hardware specialties.	P-3 747
1014. Bohanan, Wilson, Brooklyn, N. Y. Latches, locks, handles, etc.	Q-2 747
1015. Bommer Bros., Brooklyn, N. Y. Spiral spring hinges.	Q-2 747
With improvements of great importance.	
1017. Buck Bros., Millbury, Mass. Light edge tools.	P-4 749
1018. Buck, Chas., Millbury, Mass. Edge tools.	P-4 749
1019. Campbell Cutlery Company, Syracuse, N. Y. Cutlery.	Gal. F-4 751
1019a. Capewell, G. J., Hartford, Conn. Hammer and nail puller.	P-4 748
1020. Carey Safe Company, Buffalo, N. Y. Safes.	Q-2 752
1021a. Check-Controlled Lock Co., Cleveland, Ohio. Check controlled lock.	P-4 747
1022. Chicago Spring Butt Company, Chicago. Builders' hardware.	P-3 747
Spring hinges our main line. To swing heavy or light doors, one or both ways. Special hinges for fire engine house doors. In general use in the United States, England, France and Germany. Catalogue by mail.	
1023. Cincinnati Tool Company, Cincinnati. Mechanics' tools.	P-4 748
1024. Clauss Shear Company, Fremont, Ohio. Shears, scissors and knives.	P-3 751
1026. Deal & Brenizer, Canton, Ohio. Combination locks.	Q-2 747
1027. Detroit Cork Screw Co., Detroit, Mich. Corkscrews; knife and corkscrew combined.	P-4 751
Cut worm screws a specialty.	
1028. Detroit Safe Company, Detroit, Mich. Safes, vaults, vault doors and locks.	Q-2 752
1028a. Disston, Henry & Sons (Inc.), Philadelphia.	
a Plumbs, levels, squares and bevels.	748
A full and complete line.	
b Files and rasps.	750
One of the largest manufacturers in the United States, making a complete line.	
1029. Eagle Lock Company, Terryville, Conn. Locks, keys and hardware specialties.	P-3 747

## Vaults, Safes, Hardware, Tools, Cutlery.

- | Exhibit No.                                  | Class'n No. | Exhibit No.                                  | Class'n No. |
|--|-------------|--|-------------|
| 1030.  |             | 1052.  |             |
| Geneva Tool Company, Geneva, Ohio.           |             | Nicholson File Company, Providence,          |             |
| Land farming and garden tools. P-4           | 748         | R. I. Files and rasps. P-3                   | 750         |
| 1031.  |             | 1053.  |             |
| Gibson, Wm. D., Company, Chicago.            |             | Northfield Knife Company, North-             |             |
| Spring. P-3                                  | 747         | field, Conn. Pocket cutlery. P-4             | 751         |
| 1032.  |             | 1054.  |             |
| Hatch Cutlery Co., South Milwaukee,          |             | Norton Door Check & Spring Co.,              |             |
| Wis. Shears, scissors, pocket cutlery and    |             | Boston. Door check and spring for doors.     |             |
| razors. P-3                                  | 751         |  | P-4 747     |
| 1033.  |             | 1055.  |             |
| Herring-Hall-Marvin Co., Cincin-             |             | Osborne, C. S., & Co., Newark, N. J.         |             |
| nati. Vaults, safes, locks, etc. Q-2         | 752         | Saddle and harness tools. P-4                | 748         |
| 1038.  |             | Estab. 1826. Our tools are used in all parts |             |
| Iowa Farming Tool Company, Ft.               |             | of the world. Write for illust. catalogue.   |             |
| Madison, Iowa. Hand farming tools.           |             |  |             |
|  | P-4 748     | 1055a.                                       |             |
| 1039.  |             | Plumb, Fayette R., Philadelphia.             |             |
| Ives, Hobart B., & Co., New Haven,           |             | a Hammers, sledges, etc. P-3                 | 749         |
| Conn. Sash locks and bolts. P-4              | 747         | b Edge tools. P-3                            | 749         |
| The Ives Patent Sash Lock provides for lock- |             | The largest, most complete, and best fin-    |             |
| ing when either opened or closed, and for    |             | ished line of hammers, hatchets, broad       |             |
| locking the meeting rails together easily    |             | axes, cleavers, sledges, railroad, miners'   |             |
| and for separating them without the use of   |             | and blacksmiths' tools made in the world.    |             |
| any special tools.                           |             | I challenge competition. The highest         |             |
| 1044.  |             | awards received at the Centennial Ex-        |             |
| Jennings, C. E., & Co., New York.            |             | position, 1876; Sydney, New South Wales,     |             |
|  | P-4 749     | 1879; also Cotton Centennial Exposition,     |             |
| 1044.  |             | New Orleans, 1885.                           |             |
| Kearney & Foot Co., New York.                |             | 1056.  |             |
|  | P-3 750     | Rhode Island Tool Company, Provi-            |             |
| 1044.  |             | dence, R. I. Machinists' supplies. P-4       | 747         |
| and P. O. Scale St., New                     |             | 1057.  |             |
| York. U. S. A.                               |             | Rose, Wm., & Bros., Sharon Hill,             |             |
| 1044.  |             | Pa. Mechanics' tools. P-4                    | 748         |
| and P. O. Scale St., New                     |             | 1058.  |             |
| York. U. S. A.                               |             | Russell & Erwin Manufacturing Co.,           |             |
| 1044.  |             | New Britain, Conn. Hardware: house           |             |
| and P. O. Scale St., New                     |             | furnishing tools. Q-2                        | 747         |
| York. U. S. A.                               |             | 1059.  |             |
| 1044.  |             | Schenck, M. B., & Co., Meriden,              |             |
| and P. O. Scale St., New                     |             | Conn. Casters. P-3                           | 747         |
| York. U. S. A.                               |             | 1060.  |             |
| 1044.  |             | Snell Manufacturing Company, Fisk-           |             |
| and P. O. Scale St., New                     |             | dale, Mass. Farm tools. P-4                  | 749         |
| York. U. S. A.                               |             | 1061.  |             |
| 1044.  |             | Stanley Rule & Level Co., New                |             |
| and P. O. Scale St., New                     |             | Britain, Conn. Carpenters' tools. P-4        | 749         |
| York. U. S. A.                               |             | Improved labor-saving carpenters' tools,     |             |
| 1044.  |             | including Bailey's patent adjustable bench   |             |
| and P. O. Scale St., New                     |             | planes.                                      |             |
| York. U. S. A.                               |             | 1061a.                                       |             |
| 1044.  |             | Stanley Works, New Britain, Conn.            |             |
| and P. O. Scale St., New                     |             | Builders and cabinet hardware. Q-2           | 747         |
| York. U. S. A.                               |             | 1062.  |             |
| 1044.  |             | Sternbergh, J. H., & Son, Reading,           |             |
| and P. O. Scale St., New                     |             | Pa. Bolts, nuts, rivets, screws, etc.        |             |
| York. U. S. A.                               |             |  | Q-2 747     |
| 1044.  |             | 1062a.                                       |             |
| and P. O. Scale St., New                     |             | Stover Manufacturing Co., Freeport,          |             |
| York. U. S. A.                               |             | Ill. Builders' hardware. Dept. A             | 747         |
| 1044.  |             | 1063.  |             |
| and P. O. Scale St., New                     |             | Torrey, J. R., Razor Co., Worcester,         |             |
| York. U. S. A.                               |             | Mass. Razors. P-4                            | 747         |
| 1044.  |             | 1064.  |             |
| and P. O. Scale St., New                     |             | Van Wagoner & Williams Co.,                  |             |
| York. U. S. A.                               |             | Cleveland, Ohio. Hinges: spring. P-3         | 747         |
| 1044.  |             | 1065.  |             |
| and P. O. Scale St., New                     |             | White, J. C., Waseca, Minn. Nail             |             |
| York. U. S. A.                               |             | counter. P-4                                 | 747         |
| 1044.  |             | 1066.  |             |
| and P. O. Scale St., New                     |             | Withington & Cooley Manufacturing            |             |
| York. U. S. A.                               |             | Co., Jackson, Mich. Hand, farm and gar-      |             |
| 1044.  |             | den tools. P-4                               | 747         |
| and P. O. Scale St., New                     |             | Works established in 1848. Line comprises    |             |
| York. U. S. A.                               |             | hoes, forks, garden and lawn rakes, prun-    |             |
| 1044.  |             | hooks, scythe-snaths, handles, etc. Prun-    |             |
| and P. O. Scale St., New                     |             | sold throughout the world.                   |             |
| York. U. S. A.                               |             |  |             |

## Plumbing and Sanitary Materials, Miscellaneous Articles of Manufacture.

## GROUP 120.

## Plumbing and Sanitary Materials.

Exhibits in this group are installed in Section N, Block 4.

Exhibit No.	Class'n No.
1067. Alberene Stone Company, New York.	
Sanitary and plumbing specialties.	755
1068. Dawes & Myler, New Brighton, Pa.	
Bath tubs, laundry trays, etc.	753
1069. Day Manufacturing Company, Detroit, Mich.	
Self-heating bath tubs and bath tub heaters.	753
1070. Instantaneous Water Heating Company, Chicago.	
Water heaters used with gas.	753
1072. Kilbourne & Jacobs Manufacturing Co., Columbus, Ohio.	
Wrought steel sinks.	755
1073. Lang, E. M., & Co., Portland, Me.	
Stick, drop and wire solder.	756
1074. Lehner, Johnson, Hoyer Manufacturing Company, Chicago.	
Plumbers' brass goods.	756
1075. McCambridge & Co., Philadelphia.	
Brass material for plumbing, porcelain basins, tubs, etc.	753
1076. Mosely Folding Bath Tub Company, Chicago.	
Folding bath tubs and water heaters.	753
1077. Norton Bros., Chicago.	
Sanitary water closets.	754
1078. Oswego Indurated Fibre Company, Oswego, N. Y.	
Bath tubs, laundry trays, sinks, etc.	753
1079. Peck Bros. & Co., Chicago.	
Brass work for plumbers, etc.	756
1080. Randolph & Clowes, Waterbury, Conn.	
Copper range boilers and brass kettles.	756
1081. Smith & Anthony Stove Co., Boston.	
Water closets, lavatories, bath tubs, sinks, etc.	754
1082. Standard Manufacturing Company, Pittsburg, Pa.	
a Bath tubs, hollow ware.	753
b Plumbers' iron ware and sanitary goods.	756
1083. Steel Clad Bath Tub Co., Detroit, Mich.	
Bath tubs.	753
1084. Stewart Ceramic Company, New York.	
a Wash tubs, sinks, etc.	755
b Bath tubs.	753
1085. Strong, Boyce & Co., Indianapolis, Ind.	
Water closets, washstands, bowls and fixtures.	754

## GROUP 121.

## Miscellaneous Articles of Manufacture Not Heretofore Classed.

Exhibits in this group are installed in Sections P, Block 4; Q, Block 1, and Gallery Sections F and G.

Exhibit No.	Class'n No.
1086. Alpena Spool Co., Alpena, Mich.	
Spool and curtain poles.	Gal. F-1
1088. Brown Bros. M'fg Co., Chicago.	
Vault lights.	Gal. F-1
1092. Campbell Cutlery Co., Syracuse, N. Y.	
Display trays for cutlery, etc.	Gal. F-4
1092a. Cummins, B. F., Co., Chicago.	
Perforating ticket dater. Exit gates.	
1092b. Cushman & Denison, New York.	
Pocket oil cans.	Gal. F-1
Perfect pocket oilers for bicycles, typewriters and sewing machines, etc., etc.	
1094. Daemicke, Paul J., Chicago.	
Counter block, etc., for butchers.	P-4
1095. Diamond Match Company, Chicago.	
Matches.	Gal. F-1
Manufacturers of all kinds of matches for export and domestic use. See match exhibit. See World's Fair Store, 17 Midway Plaisance. Chicago store, 56 Michigan Av.; New York store, 88 Hudson Street, and stores in all other large cities.	
1095a. Excelsior Burglar Alarm Co., Cleveland, Ohio.	
Burglar alarms. Dept. A	
1096. Faries, Robert, Decatur, Ill.	
Display fixtures for stores.	Gal. F-1
Revolving stands a specialty.	
1096a. Haynes, N. B., Co., Chicago.	
Display rack.	Gal. G-5
1096b. Hicks, F. M., & Co., Chicago.	
Footlights and skylights.	Gal. F-1
1097. Hoffman, Geo. Wm., Indianapolis, Ind.	
Metal polishes.	Gal. F-1
1098. Home Embroidery Machine Co., Kansas City, Kas.	
Embroidery machine and sample work.	Gal. G-5
1099. Improved Cloak Rack Co., New York.	
Revolving cloak stands for exhibiting cloaks.	Gal. G-5
1101. International Identification Card Co., Chicago.	
Identification card.	Gal. F-4
1102a. Major, A., New York.	
Cement for rubber and leather goods and crockery ware.	Gal. F-1
1102. Leger, Edward, & Son, Chicago.	
Display stands and fixtures.	Gal. F-1
1103. Matchless Metal Polish Company, Chicago.	
Metal polishes, etc.	Gal. F-1

## Miscellaneous Articles of Manufacture Not Heretofore Classified.

Exhibit  
No.

- 1103a. McDowell Co., New York. Garment drafting machines. Gal. G-5
1104. Meyers Putz Pomade Company, Boston. Liquid metal polish. Gal. F-1
1105. New Haven Car Register Co., New Haven, Conn. Fare registers. P-4
1107. Palmenberg's Sons, J. R., New York. Window display fixtures and forms. Gal. F-1
1108. Palm Letter Company, Cincinnati. Transfer letters and ornaments. Gal. F-1
- 1108a. Palmetto Fibre Co., Chicago. Brushes. Gal. F-1
1109. Paul, John C., & Co., Chicago. Metal polish. Gal. G-11
1111. Queen Silver Polish Company, New York. Silver polish. Gal. F-1
1112. Ridgely & Smith, Springfield, Ohio. Paper trimmer and paper hangers' roller. Gal. G-6
- 1112a. Rodwell Manufacturing Co., Buffalo, N. Y. Sign letters. Gal. F-1
1113. Stafford, N., New York. Metal badges, checks, numbers and signs. Gal. F-1
- 1113a. Taft, Alanson, Providence, R. I. Burglar guard. P-4
1114. Wayne Oil Tank Co., Ft. Wayne, Ind. Self measuring oil tank. Q-1
1116. White, Otis C., Worcester, Mass. Ball and socket and cone joints. Gal. F-1

Electric light supporters for all manufacturing, mining and office uses. With firm grip and power of quick change; these new joints are also used by machinists, dentists, photographers, etc., to hold adjustable any tool or appliance, without regard to weight or size.

1117. Wyckoff, Seamans & Benedict, New York. Typewriters' supplies. Gal. F-2
- "W. S. & B." "Paragon" ribbons are used

exclusively in all departments of the World's Columbian Exposition. The same pre-eminence is accorded "W. S. & B." "Paragon" and "Regent" linen papers and their other typewriter supplies by all users of high class stationery.

Exhibits Classified in Other Departments  
but Installed in This.

## DEPARTMENT K.

## GROUP 142.

Paintings on Ivory, on Enamel, on Porcelain or Other Wares.

Exhibit  
No.

1118. Tiffany & Co., New York. Illuminating on parchment paper, blazonry of heraldic and other devices. N-1

## GROUP 143.

Engravings and Etchings; Prints.

1119. Tiffany & Co., New York. Copper and steel engraving, printing, stamping and illuminating by steel and other dies. N-1

## GROUP 145.

Antique and Modern Carvings; Engravings in Medallions or in Gems; Cameos, Intaglios.

1120. Tiffany & Co., New York.
- a Engraved diamond, rock-crystal, jade and other hard stones. N-1
  - b Series of the Columbus medals (the official Exposition badge) in various metals.

# Collective Exhibit of New England Manufacturing Jewelers' Association of Providence, R. I.

LOCATION—SEC. 0-1.

## GROUP 98.

Exhibit No.	Class'n No.
Arnold & Steere, Providence, R. I.	612
Gold ornaments and rings.	612
Balloon, B. A., & Co., Providence, R. I.	612
Safety pins.	612
Blackinton, W. & S., Attleboro, Mass.	616
Gold plate, silver and fancy chains.	616
Cahoone, Geo. H., & Co., Providence, R. I.	612
General jewelry.	612
Child, D. R., & Co., Swansea, Mass.	616
Buff and collar buttons.	616
Clark & Coombs, Providence, R. I.	616
Plated rings.	616
Devereux, O. C., & Co., Providence, R. I.	616
Plated link and collar buttons, silver ornaments.	616
Fanning, J. H., & Co., Providence, R. I.	616
Gold-plated charm-lockets, chains, etc.	616
Flint, Blood & Co., Providence, R. I.	612
Plated rings.	612
Foster & Bailey, Providence, R. I.	612
a Gold lockets, lace pins, etc.	612
b Gold plated bracelets, chains, etc.	616
Fuller, Geo. H., & Co., Pawtucket, R. I.	612
Jewelers' findings, ornaments and supplies.	612
Grant, J. W., & Co., Providence, R. I.	616
Gold-plated chains, bracelets and silver jewelry.	616
Griffith, R. L., & Son, Providence, R. I.	616
Scarf and lace pins, etc., and shell novelties.	616
Hancock, Becker & Co., Providence, R. I.	612
a Gold rings, mountings, studs, etc.	612
b Gold-plated broaches, etc.	616
Irons, Chas. F., Providence, R. I.	612
a Gold emblems.	612
b Plated charms and rings.	616

Exhibit No.	Class'n No.
16. Lederer, S. & B., Providence, R. I.	616
Plated jewelry, emblems, etc.	616
17. Leland, W. H., & Co., Providence, R. I.	612
Engravings and designs of jewelry.	612
18. Lind, Thomas W., Providence, R. I.	616
Engravings and designs of jewelry.	616
19. Lorsch, A., & Co., Providence, R. I.	613
a Diamonds and other gems.	613
b Agate and other ornaments.	614
c Imitation precious stones.	615
20. Marden & Kettieby, Providence, R. I.	612
Lace and stick pins.	612
21. Moorhead, R. L., & Co., Providence, R. I.	616
Plated lace and scarf pins, chains, etc., and silver novelties.	616
22. Payton & Kelley, Providence, R. I.	616
Plated bracelets, neck and eye-glass chains, etc.	616
23. Pearce, F. T., & Co., Providence, R. I.	612
Gold and silver pens and pencils.	612
24. Providence Stock Co., Providence, R. I.	612
a Gold and silver chains, etc.	612
b Plated chains, necklaces, charms, etc.	616
25. Read, M. L., & Co., Providence, R. I.	612
a Scarf pins, studs, etc.	612
b Plated pins, drops, buttons, etc.	616
26. Seery Manufacturing Co., Providence, R. I.	612
Chains and rings.	612
27. Spencer, E. L., & Co., Attleboro, Mass.	612
Gold, lace and scarf pins, drops, etc.	612
28. Webster, W. E., & Co., Providence, R. I.	612
Gold rings.	612

# Collective Exhibit of United States Potters' Association.

## LOCATION—SEC. Q-1.

GROUP 91.	
Exhibit No.	(Class'n No.)
1. Bennett, Edwin, Pottery Co., Baltimore. Semi-porcelain ware, decorated.	576
2. Brandywine Summit Kaolin & Feldspar Co., Philadelphia. Feldspar and kaolin.	576
3. Burroughs & Mountford Co., Trenton, N. J. Semi-porcelain and specialties in decorated ware.	576
4. Cartwright Bros., E. Liverpool, Ohio.	
a White granite.	575
b Decorated goods.	576
5. Golding & Son Co., Trenton, N. J. Potters' materials.	576
6. Globe Pottery Co., E. Liverpool, Ohio. Yellow and Rockingham goods, plain and decorated.	576
7. Haynes, Bennett & Co., Baltimore. Art pottery and decorated ware.	576
8. International Pottery Co., Trenton, N. J. Semi-porcelain ware. Royal blue decorations.	576
9. Jeffords, J. E., & Co., Philadelphia. Yellow Rockingham and stone ware in colored glaze and decorations.	576
10. Knowles, Taylor & Anderson, E. Liverpool, Ohio. Potters' supplies.	576
11. Knowles, Taylor & Knowles, E. Liverpool, Ohio.	
a Vitreous hotel china and white granite wares.	576
b Plain and decorated china.	577
12. Laughlin, Homer, E. Liverpool, Ohio.	
a White granite.	575
b Decorated ware.	576
13. Lonhuda Pottery Co., Steubenville, Ohio. Art faience.	576
14. Mayer Pottery Co., Trenton, N. J. Majolica and white granite and specialties.	576

Exhibit No.	(Class'n No.)
15. Mayer Pottery Co., Ltd., Beaver Falls, Pa. Plain and decorated ware.	576
16. McNicol, D. E., E. Liverpool Ohio. Rockingham yellow ware and C. C. decorated.	576
17. Mercer Pottery Co., Trenton, N. J. Semi-porcelain and white granite.	576
18. New England Pottery Co., E. Boston, Mass. Decorated semi-porcelain.	576
19. Ohio Valley China Co., Wheeling, W. Va. Art china.	576
20. Onondaga Pottery Co., Syracuse, N. Y.	
a Semi-porcelain, white granite.	576
b Translucent china, decorated ware.	576
21. Ott & Brewer Co., Trenton, N. J. Belleck and semi-porcelain.	576
22. Potters' Co-operative Co., E. Liverpool, Ohio. Dresden china, plain and decorated.	576
23. Peoria Pottery Co., Peoria, Ill. Semi-porcelain ware, plain and decorated.	576
24. Rookwood Pottery Co., Cincinnati. Art faience.	576
25. Sebring Pottery Co., E. Liverpool, Ohio.	
a White granite.	575
b Decorated goods.	576
26. Spencer, Howard, Kaolin, Pa. Kaolin.	576
27. Toronto Pottery Co., Toronto, Ohio. Parisian granite, plain and decorated.	576
28. Thompson, C. C., Pottery Co., E. Liverpool, Ohio. Rockingham Yellow C. C. wares.	575
29. Warwick China Co., Wheeling, W. Va. Semi-porcelain decorated ware.	576
30. Willets Manufacturing Co., Trenton, N. J. Belleck ware, white and decorated.	576

# WOMEN'S DEPARTMENT.

LOCATION—GALLERY, SEC. F, 6 AND 11.

Chemical Products, Colors, Ceramics and Mosaics, Collective Exhibits.

## GROUP 87.

Exhibit No.	Class'n No.
1. Austrian, Lena G., Chicago. Hair tonic and lotion.	549
2. Gage, Mary Mott, Chicago. Toilet preparations.	549
3. Osterhout, Mrs. E. A., Chicago. Toilet soap.	549

## GROUP 88.

4. Hall, Fannie E., New York. Ceramic colors.	555
5. Puissegur, Sophie B., New York. Varnishes.	554

## GROUP 89.

6. Hawes, Mrs. Jessie, Greeley, Col. Decorated card.	557
7. Parks, Annie M., Albany, N. Y. Perforating machine.	564

## GROUP 90.

8. Coffin, Minnie A., Indianapolis, Ind. Portiere.	568
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## GROUP 91.

9. Adams, Isabelle, Englewood, Ill. Decorated china.	577
3. Brown & Eberhardt, Philadelphia. China bric-a-brac, statuary, etc.	576
10a. Bonnell, Mrs. L. B., Helena, Mont. Painted china.	577
1. Bushnell, Mrs. Geo., Denver, Col. Decorated china.	576
5. Case, Mrs. Nettie, Denver, Col. Decorated china.	576
5. Case, Mrs. W. B., Denver, Colo. Painted china.	577
3. Cincinnati Ceramic Art Club, Cincinnati. China decorations.	577
10a. Wilder, Mrs. Eugene, Boulder, Colo. Painted china.	577

Collective Exhibit of Columbian Ceramic Association. Class 577.

9. Adams, Miss E., Troy, N. Y. Painted china plate.	
2. Alison, Mrs. C. W., Chicago. Painted china.	
1. Ayers, Mrs. J. C., Peoria, Ill. Painted china plate.	

Exhibit No.

22. Baker, Miss Amelia, Watertown, N. Y. Painted china tete-a-tete.	
23. Baker, Mrs. Lacy A., Tusculum, Ala. Painted china vase; tete-a-tete set.	
24. Barnes, Miss M. O., Chicago. Painted china jardiniere vase.	
25. Bascone, Mrs. Adele, Chicago. Painted china jardiniere.	
26. Bigelow, Mrs. W. W., Chicago. Painted china plates.	
27. Blakenley, Mrs. Ella, Davenport, Ia. Painted china.	
28. Bliven, Mrs. C. E., Chicago. Painted china tankard.	
29. Bock, Mrs., Omaha, Neb. Painted china vase.	
30. Bond, Mrs. F. N., Chicago. Painted china.	
31. Brown, Mrs. Bernard, Helena, Mont. Painted china comb and brush tray.	
32. Butterfield, Miss M. M., Omaha, Neb. Painted china vase.	
33. Chadwick, Mrs. A. E., Chicago. Painted china vase.	
34. Clark, Mrs. Eva Fern, South Bend, Ind. Painted china pitcher and plates.	
35. Clarke, Mrs. A. E., Chicago. Painted china lamp and vase.	
36. Clarke, Mrs. H. M., Chicago. Painted china vase.	
37. Coy, Miss E. Annie, Rockford, Ill. Painted china platter, tray, etc.	
38. Crawford, Mrs. H. F., Chicago. Painted china jardiniere.	
39. Crittenden, Mrs. F. A., Geneva, Ill. Painted china salad set.	
40. DeWolf, Mrs. W. F., Englewood, Ill. Painted china vase and panels.	
41. Dixon, Mrs. L. B., Chicago. Painted china panel.	
42. Dupee, Mrs. C. A., Chicago. Painted china plaque.	
43. Eaton, Mrs. D. B., Chicago. Painted china jardiniere.	
44. Elee, Miss Sarah, Galena, Ill. Painted china.	
45. Farnum, Mrs. H. C. Portrait of President Palmer in ceramic.	
46. Felgar, Mrs. David, Newton, Kas. Painted china teapot, sugar, etc.	
47. Fink, Miss Juliet R., Hillsboro, Ill. Painted china plate and trinket set.	

## Collective Exhibit of Columbian Ceramic Association.

Exhibit  
No.

48. Fisher, Mrs. L. G., Chicago. Painted china tete-a-tete set.
49. Forsyth, Mrs. M. A., Toledo, Ohio. Painted china vase and plate.
50. Foster, Mrs. Flora D., Peoria, Ill. Painted china plate.
51. Foster, Mrs. W. H., Genesee, Ill. Painted china vase and slab.
52. Fussell, Miss Helen A., Chicago. Painted china vase.
53. Galbreath, Miss Etta, Ft. Arizona. Painted china plaque.
54. Gleason, Mrs. W. H., Chicago. Painted china portrait.
55. Graves, Mrs. Dwight W., Chicago. Painted china medallion head.
56. Gunsolus, Mrs. Annie H., Detroit, Mich. Painted china vase.
57. Hall, Mrs. Olive H., Chicago. Painted china plates and plaques.
58. Hancock, Mrs. F. H., Davenport, Iowa. Painted china.
59. Harris, Mrs. Roswell, Detroit, Mich. Painted china.
60. Harrison, Miss Annie Pratt, Chicago. Painted china jardiniere.
61. Hathaway, Mrs. James, Chicago. Painted china tile.
62. Hearne, Miss Coralie, Dallas, Texas. Painted china vase plate.
63. Henderson, Miss Alouise, Virden, Ill. Painted china.
64. Hendrick, Miss M. Ernestine, Chicago. Painted china.
65. Henermann, Miss Magola, Chicago. Painted china plaques.
66. Hess, Miss Mollie, Chicago. Painted china vase.
67. Hills, Miss Care M., Cambridge, Mass. Painted china cup, saucer, vase and plate.
68. Hiner, Mrs. M. L., Fond du Lac, Wis. Painted china fish set.
69. Hinman, Miss Olivia S., Battle Creek, Mich. Painted china tea set.
70. Holley, Mrs. Avis B., Bellows Falls, Vt. Painted china jardiniere.
71. Holloway, Mrs. Geo., Chicago. Painted china vase, tray and jar.
72. Horlocker, Miss Leta, Kearney, Neb. Painted china vase.
73. Hunt, Miss Salie, Dixon, Ill. Painted china plates.
74. Iglehart, Miss M. E., Chicago. Painted china panel and tray.
75. Irwin, Mrs. I. Kilshaw, Mobile, Ala. Painted china portrait.
76. Jahn, Prof. A., Chicago. Painted china vase.

Exhibit  
No.

77. Jahn, Mrs. A., Chicago. Painted china slab.
78. Jenkins, Mrs. V. B., Chicago. Painted china lamp, plaque and panel.
79. Johnston, Mrs. John, Chicago. Painted china vase and plaque.
80. Jomer, Miss Alice, Polo, Ill. Painted china vase.
81. Kembel, Miss Martha, Hastings, Neb. Painted china plate.
82. King, Mrs. Philo B., Chicago. Painted china umbrella stand.
83. Koehler, Mrs. Florence D., Kansas City, Mo. Painted china vase.
84. Kofel, Miss Caroline, Chicago. Painted china plates.
85. Kramer, Miss Minnie, Chicago. Painted china creamer.
86. Lavaron, Miss Leonide, Chicago. Painted china punch bowl, slab and plaque.
87. Lehman, Miss Carrie, Chicago. Painted china plates.
88. Leman, Mrs. H. W., Chicago. Painted china vase.
89. Leykauf, Mrs. Geo., Detroit, Mich. Painted china punch set.
90. Little, Miss S. R., Chicago. Painted china vase.
91. Lund, Mrs. Virtus, Lyons, Iowa. Painted china.
92. Mason, Mrs. Wm. A., Chicago. Painted china plates.
93. McClellan, Mrs. R. H., Galena, Ill. Painted china jardiniere.
94. McClure, Mrs. Jane D., Peoria, Ill. Painted china platter.
95. McCullough, Mrs. J. W., Davenport, Iowa. Painted china plate and picture.
96. McDowell, Mrs. Gordon, Evanston, Ill. Painted china cup, saucer and plates.
97. McGarry, Miss Cora L., Omaha, Neb. Painted china vase.
98. McKay, Mrs. D. S., Guthrie, Oklahoma. Painted china plates.
99. Miles, Miss Marion, Chicago. Painted china rose bowl.
100. Miller, Mrs. C. J., Peoria, Ill. Painted china platter and chocolate pitcher.
101. Monohan, Mrs., Chicago. Painted china vase.
102. Morey, Mrs. Anna Riorden, Hastings, Neb. Painted china bonboniere.
103. Moulton, Miss May, Neenah, Wis. Painted china vase.
104. Munson, Mrs. T. M., Deannison, Painted china vase and plate.
105. Murray, Mrs. Chas. H., Chicago. Painted china jardiniere.

## Collective Exhibit of Columbian Ceramic Association.

Exhibit No.		Exhibit No.		Class'n No.
66.	Myers, Mrs. M. S., Chicago. Painted china vase.	135.	Strong, Miss Lydia Lyod, Flatbush, N. Y. Painted china brush and comb tray.	
67.	Neely, Miss Anna L., Chicago. Painted china vase and spoon holder.	136.	Swindell, Mrs. E., Rockford, Ill. Painted china vase.	
68.	Neely, Miss Lillian F., Chicago. Painted china bonbon and ink stand.	137.	Swinerton, Miss Carrie P., Chicago. Painted china panel and vase.	
69.	Nevins, Miss Louise R., Brooklyn, N. Y. Painted china plates and jewel box.	138.	Thompson, Miss Gerlina, St. Louis. Painted china soup tureen.	
70.	Norwood, Mrs. F., Chicago. Painted china vase.	139.	Timney, Mrs. P. B., St. Paul, Minn. Painted china plaques.	
71.	Packard, Mrs. Henrietta W., Chicago. Painted china portrait.	140.	Van Auken, Miss Adeline, Rochester, N. Y. Painted china tray.	
72.	Paine, Mrs. H. E., Dixon, Ill. Painted china vase.	141.	Weston, Mrs. E. E., Chicago. Painted china jardiniere.	
73.	Palmer, Mrs. E. J., Spokane, Wash. Painted china vase and tray.	142.	Wheeler, Miss Bianca, Davenport, Ia. Painted china plate, tray and tete-a-tete set.	
74.	Peck, Miss Grace H., Chicago. Painted china vase and tray.	143.	Whitcomb, Miss Maud, Davenport, Ia. Painted china chocolate pot.	
75.	Phelps, Miss Kate, Polo, Ill. Painted china lamp.	144.	White, Miss Kathryn, Springfield, Vt. Painted china ice cream set.	
76.	Phillips, Mrs. Luella Vance, Denver, Col. Painted china panel, vase and plaque.	145.	Wilkinson, Miss R. A. E., Detroit, Mich. Painted china chocolate set.	
77.	Phillips, Miss Mary A., Helena, Mont. Painted china punch bowl and portrait.	146.	Williams, Miss R. M., Chicago. Painted china plaque.	
78.	Poole, Mrs., Polo, Ill. Painted china jardiniere.	147.	Williams, Mrs. W. B., Lapeer, Mich. Painted china boat.	
79.	Quimby, Miss Jessie, Denver, Col. Painted china plates and vase.	148.	Woodrow, Miss Ella M., Pontiac, Ill. Painted china plate and vase.	
80.	Reynolds, Mrs. P. B., Toledo, Ohio. Painted china vase.	149.	Woodrow, Miss Ida W., Pontiac, Ill. Painted china plates.	
81.	Richart, Mrs. Christine F., Buffalo, N. Y. Painted china.	150.	Wright, Mrs. E. H., Waterloo, Ia. Painted china plates, salad bowl and jardiniere.	
82.	Robertson, Mrs. Chas. M., Davenport, Iowa. Painted china vase.	151.	Wright, Mrs. Henry, Minneapolis, Minn. Painted china vase.	
83.	Rodds, Miss Mary A., New Orleans. Painted china panel.	152.	Wright, Miss Josie M., Chicago. Painted china panel and slab.	
84.	Root, Mrs. Enoch, Palm Beach, Fla. Painted china tray.	153.	Conley, Miss Carrie E., Denver, Col. Decorated china.	576
85.	Root, Mrs. E. May Curtis, Council Grove, Kas. Painted china.	154.	Cooley, Miss A. J., Aspen, Col. Decorated china.	576
86.	Schroyer, Miss Pauline, Polo, Ill. Painted china vase.	155.	Covey, Mrs., Pueblo, Col. Decorated china.	576
87.	Seidenberg, Miss Anna, Cincinnati. Painted china vase and plaque.	156.	Dwight, Minnie T., New York. Decorated china.	577
88.	Sheean, Mrs. David, Galena, Ill. Painted china cracker jar, etc.	157.	Failing, Ida C., Denver, Col. Decorated china.	576
89.	Shute, Miss Bertha W., Chicago. Painted china vase.	158.	Healy, M. & E., Washington, D. C. Decorated china and chryso-ceramics.	576
90.	Smith, Miss Mattie, Battle Creek, Mich. Painted china fish set.	159.	Johnson, Mrs. Egbert, Denver, Col. Decorated china.	576
91.	Stanchfield, Miss Marion, Creston, Iowa. Painted china jardiniere.	160.	Kassler, Mrs. Chas., Denver, Col. Decorated china.	576
92.	Staples, Miss Johnnie, Sherman, Texas. Painted coffees, plate and tray.	161.	Lavaron Leonide C., Chicago. Decorated china; punch bowl.	576
93.	Steele, Mrs. F. M., Chicago. Painted china pitcher.	162.	McGregor, Mrs., Denver, Col. Decorated china.	576
94.	Stone, Mrs. M. E., Peoria, Ill. Painted china plate.			

## Stained Glass, Silk, Woolens, Knit Goods, Costumes, Trimmings.

Exhibit No.	Class'n No.
163. Miles, Mrs. Leonide B., Denver, Col.	576
Decorated china.	
164. Miles, Mrs. W. E., Denver, Col.	576
Decorated china.	
165. Miller, Miss Ada, Denver, Col.	576
Decorated china.	
166. Morse, Mrs. Clara R., Newtonville, Mass.	576
Decorated china.	
167. Morse, Gertrude E., Newtonville, Mass.	576
Decorated china.	
168. Olmstead, Mrs. Clarence, Denver, Col.	576
Decorated china.	
169. Perkins, Mrs. Emily D., Denver, Col.	576
Decorated china.	
170. Perkins, Mrs. E. S., Denver, Col.	576
Decorated china.	
171. Pinkney, Miss J. R., Denver, Col.	576
Decorated china.	
172. Porter, Mrs. I. B., Denver, Col.	576
Decorated china.	
173. Quimby, Miss Jessie D., Denver, Col.	576
Decorated china.	
174. Root, Mrs., Denver, Col.	576
Decorated china.	
175. Scott, Cora E., Saratoga Springs, N. Y.	576
Decorated china.	
176. Wilke, Mrs. F. A., Richmond, Ind.	576
Decorated china.	

## GROUP 95.

178. Tillinghast, Miss, New York.	536
Stained glass window.	

## GROUP 100.

180. Arrowsmith, Charlotte, Mercer, Pa.	629
Silk weaving.	

## GROUP 103.

181. Griswold, Mrs. Dr., Mercer, Pa.	649
Woven rug.	

## GROUP 104.

182. Dole, Sarah A., Parkman, Ohio.	653
Woven cape of plant fibre.	
183. Flint, Olivia C., Boston. Corsets and waists.	653
184. Houghland, Mrs. E. G., N. Denver, Col.	653
Night robe.	
185. James, Mrs. Lucy J., Pomona, Cal.	653
Corsets.	
186. Mills, Mrs. S. J., Rochester, N. Y.	653
Dress waist.	
187. Newman, Mme., Corset Co., Chicago.	659
Corsets.	
188. Tracy, Mrs. Harriet Ruth, New York.	659
Sewing machine inventions.	
Rotary shuttle lock and chain stitch sewing machines. The lower bobbins holds over	

Exhibit No.	Class'n No.
1,000 yards of thread and the shuttle take up its own slack.	

## GROUP 106.

190. Ball, Mrs. J. J. T., Denver, Col.	659
Needlework.	
191. Bassett, Mrs. F. E., Brooklyn, N. Y.	659
Tapestry for wall decoration.	
192. Besuzzi, Miss, Denver, Col.	659
Embroidered screen.	
193. Brown, Mrs. J. K., Pueblo, Colo.	659
Drawnwork handkerchief.	
194. Brown, Mrs. W. T., Indianapolis, Ind.	659
Embroidered piano cover.	
195. Cass, Mrs. O. D., Denver, Colo.	659
Lunch cloth.	
196. Clarke, Nellie Goodrich, Economy, Ind.	659
Embroidered centerpiece.	
197. Colcord, Mrs. A. B., Kokomo, Ind.	659
Handmade lace cap.	
198. Cole, Stella M., Indianapolis, Ind.	659
Embroidered curtain.	
199. Conine, Miss, Denver, Col.	659
Infant's dress.	
200. Cutter, Mrs. Edna M., Denver, Colo.	659
Lace handkerchief.	
201. Darrow, Mrs. F. R., Denver, Colo.	659
Handkerchief.	
202. De Andrada, Senora Anna K., Santiago, Chile.	659
Artistic needlework.	
203. Deitz, Mrs. Anna L., Denver, Colo.	659
Lace.	
204. Ellis, Mrs. Henry H., Pueblo, Colo.	659
Needlework.	
205. Ellis, Mrs. Jesse D., Rensselaer, Ind.	659
Embroidered table cloth.	
206. Farwell, Miss C. C., Denver, Colo.	659
Needlework.	
207. Fjelde Sisters, Minneapolis, Minn.	659
Embroidered banners.	
208. Flynn, Miss Mary, Denver, Colo.	659
Needlework.	
211. Gibbs, Mrs. A. R., Denver, Colo.	659
Handkerchiefs.	
212. Harlow, Mrs. Geo. P., Denver, Colo.	659
Embroidery.	
213. Hartwell, Miss Mary, Denver, Colo.	659
Lace cap and handkerchief.	
214. Hawes, Mrs. Jesse, Greeley, Colo.	659
Needlework.	
214a. Holmes, Mrs. Emma, Minneapolis, Kas.	659
Art embroidery.	
215. Jantzen, Miss Clara, Denver, Colo.	659
Embroidered centerpiece.	
216. Jantzen, Miss Hermanna, Denver, Colo.	659
Handmade lace handkerchief.	
218. Kent, Miss Clara M., Denver, Colo.	659
Embroidered doilies.	

## Trimmings, Traveling Equipments, Toys, Cooking Appliances, Refrigerators.

	Class'n No.
Levering, Amelia F., La Fayette, Ind.	669
Embroidered table cloth.	669
Lowe, Miss Elizabeth, Denver, Col.	665
Embroidered doily.	665
Lusk, Miss Ida, Vincennes, Ind.	665
Embroidered towel.	665
Major, Miss Fannie, Shelbyville, Ind.	669
Embroidered cloth.	669
McCardless, Mary E., Pittsburg, Pa.	664
Apple lace from Reform School.	664
McCoy, Mrs. Hattie T., Rensselaer, N. Y.	669
Embroidered cushion.	669
McNary, Mrs. J. T., Logansport, Ind.	669
Embroidered piano cover.	669
Minnis, Sallie, Philadelphia.	665
Embroidered dinner cloth.	665
Moore, Mrs. T. H., Denver, Col.	664
Handmade lace.	664
Nicholson, Mrs., Colorado Springs, Colo.	665
Embroidered centerpiece.	665
Owens, Mrs. E. T., Pueblo, Col.	664
Embroidered handkerchief.	664
Perrian, Mrs. S. J., Highlands, Colo.	664
Embroidered handkerchief.	664
Reeves, Mrs. J. Franklin, Richmond, Ind.	669
Embroidered curtains.	669
Renk, Miss Bertha A., Milwaukee, Wis.	669
Art embroidery.	669
Reynolds, Mrs., South Bend, Ind.	669
Embroidered scarf.	669
Ridgway, Mrs. M. M. G., Indianapolis, Ind.	669
Embroidered cushion cover.	669
Rourke, Mrs. M. E., Denver, Col.	669
Embroidered satin portieres and scarfs.	669
Salada, Mrs., Denver, Col.	664
Handmade lace.	664
Schilling, Miss Ida W., Aspen, Col.	665
Embroidered doilies.	665
Scott, Cora B., Saratoga Springs, N. Y.	669
Art embroideries.	669
Sea, Clara, Indianapolis, Ind.	669
Embroidered table cloth.	669
Skewes, Mrs. Rose Meeker, Greeley, Colo.	664
Handmade lace bertha.	664
Smith, Mrs. Marie Campbell, Boulder, Colo.	665
Infant's dress.	665
Solsbury, Cora, Indianapolis, Ind.	669
Embroidered table decorations.	669
Solsbury, Pearl, Indianapolis, Ind.	669
Embroidered table decorations.	669
Sperry, Mrs. H. L., Indianapolis, Ind.	665
Embroidered table mat.	665
Sternbergh, Emma R., Lawrence, Kan.	665
Needlework.	665
Stevens, Miss E. J., Washington, D. C.	670
Tapestries.	670
Strode, Miss F., Denver, Col.	665
Embroidered scarf.	665

Exhibit No.	Class'n No.
247. Studebaker, Mrs. Clem, South Bend, Ind.	669
Embroidered bedroom furnishings.	669
248. Taylor, Miss Ida, Logansport, Ind.	665
Embroidered table mat.	665
249. Vanatta, Mrs. J. K., Colorado City, Colo.	664
Lace handkerchief.	664
250. Wells, Mrs. S. W., Highlands, Colo.	664
Lace handkerchiefs.	664
251. White, Mrs. Lillian, Eau Claire, Wis.	669
Art needlework.	669
252. Williamson, Mrs. J. A., Indianapolis, Ind.	669
Cushion.	669
253. Williamson, Mary A., Indianapolis, Ind.	669
Art embroideries.	669
254. Williamson, M. A., Indianapolis, Ind.	669
Embroidered table cloth.	669
255. Williamson, Mrs. Sallie A., Indianapolis, Ind.	669
Embroidered table cloth.	669

## GROUP 108.

256. Keen, Louise M., Chicago.	679
Trunk.	679
257. Lightfoot, Annette M., Providence, R. I.	680
Fancy leather frames.	680

## GROUP 110.

258. Angered, Mrs. Constance J., Philadelphia.	695
Jewel box.	695
259. Dexter, Mrs., Chicago.	695
Fancy articles made of rope.	695
260. Sabolewski, Mrs. A. J., Denver, Col.	693
Game and badge.	693

## GROUP 115.

261. Everhard, Mary M., St. Joseph, Mich.	730
Knending board.	730
262. Green, Mrs. M. A., Mt. Clair, Col.	730
Cover holder.	730
263. Hambel, Mrs. A. J., Chicago.	730
Cake beater.	730
264. Lawton, Mrs. Jas. M., New York.	730
Corn scraper.	730
265. Reaney, Mrs. Caroline Wescott, Chicago.	727
Oven fixtures and foot warmer.	727
266. Schumacher, Mrs. W. M., Philadelphia.	730
Sweep box.	730

## GROUP 116.

267. Romney, Mrs. Caroline Wescott, Chicago.	731
Refrigerator and cooling room.	731

## Miscellaneous Articles of Manufacture Not Heretofore Classed.

## GROUP 121.

- Exhibit No.
- 267a. Bourne, Mrs. Henry, Silver Cliff, Col. Patent stocking.
268. Brown, Mrs. Harriet A., Boston. Rule for dressmaking.
269. Buddington, Mr. & Mrs. F. E., Chicago. Machine for dress cutting.
270. Cornwell, Elmira, Chicago. Tailor dress cutting system.
271. Dostin, Mrs. G. W., Johnstown, N. Y. Dress cutting system.

## Exhibit No.

272. Jackson, Mrs. H. A., Co., Chicago. Instruments for cutting patterns.
273. Jackson, H. Ayers, Co., Chicago. Tailor dress cutting system.
274. O'Neill, Mrs. E. J., Leadville, Col. Tidy holder.
275. Schafer, Mrs. M. S., Ravenswood, Ill. Dress cutting system.
276. Stearns, Mrs. B. A., Woburn, Mass. Dress cutting system.
278. Watres, Mrs. L. A., Parkman, Ohio. Invention.

## Collective Exhibit of the Merchant Tailors of the United States.

This special division of the Department of Manufactures exhibits in a separate building, known as the Merchant Tailors' Building, situated on the Lagoon, N. W. of the Fish and Fisheries Building.

## GROUP 104.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 1. Anderson, J. F., Boston. Full dress coat and waistcoat.  | 652         |
| 2. Appel, Dunseath & Co., Denver, Col. Coat, dress suit, sack coat, waistcoat and trousers.                   | 652         |
| 3. Atkinson, Geo. R., Rockford, Ill. Double breasted frock coat, waistcoat, trousers and overcoat.            | 652         |
| 4. Back, Joseph, Chicago. Coat, waistcoat and trousers (full dress).  | 652         |
| 5. Bastable & Mannigan, New York. Overcoat, breeches and leggings.  | 652         |
| 6. Bradley, John C., Pittsburg, Pa. Cutaway frock coat, waistcoat and trousers.                               | 652         |
| 7. Brenk Bros., Milwaukee, Wis. Cutaway coat, waistcoat and trousers.   | 652         |
| 8. Brownell, B. H., St. Louis. Double breasted frock coat, waistcoat, overcoat and trousers.                  | 652         |
| 9. Bruner, C. E., Chicago. Cutaway frock coat, waistcoat and trousers.  | 652         |
| 10. Chase, Thos. W., & Co., Providence, R. I. Prince Albert coat, waistcoat, overcoat and trousers.           | 652         |
| 11. Croft, Fred. W., Chicago. Frock coat, vest, trousers, surtout overcoat.                                   | 652         |
| 12. Degenberg, P. A., & Co., Philadelphia. Dress uniform of "Philadelphia City Troops," Ladies' driving coat. | 652         |
| 13. Doll, Edwin N., New York. Morning coat, Tuxedo coat, vests and trousers.                                  | 652         |

## Exhibit No.

## Class'n No.

14. Finking, R., San Francisco. Suit. 652
15. Fisher, Geo., & Sons, Cincinnati. Coat, waistcoat and trousers (full dress). 652
16. Franklin & Co., New York. Suit for youth. 652
17. Glasser & Rock, Chicago. Overcoat, dress coat, waistcoat and trousers. 652
18. Gleason & Co., Philadelphia. Double breasted frock coat, waistcoat and trousers. 652
19. Grus & Luken, Chicago. Coats. 652
20. Heinig, Frank, Chicago. Dress suit, promenade suit and overcoat cape. 652
21. Hippach & Benson, Chicago. Cutaway frock coat, waistcoat and trousers. 652
22. Hodgkins & Hodgkins, Boston. Gentleman's hunting suit. 652
23. Hoyt, F. A., & Co., Philadelphia. Child's suit with overcoat, etc. 652
24. Hyde, Chas. E., & Co., Chicago. Overcoat, full dress suit. 652
25. Kilmore, J. W., Chicago. Suit and overcoat. 652
26. Lammers, F. J., Kansas City, Mo. Double breasted sack coat, waistcoat and trousers. 652
27. Lawrie, James, & Co., Milwaukee, Wis. Cutaway coat, waistcoat and trousers. 652
28. Lofquist, Oscar, Des Moines, Iowa. Frock coat, vest and trousers. 652
29. Losse, J. W., St. Louis. Dress suit and business suit. 652
30. Lundahl & Co., Chicago. Overcoat, single breasted sack coat, Tuxedo. 652
31. Matthews, G. W., Chicago. Afternoon riding suit, dress suit, etc. 652

## Collective Exhibit of the Merchant Tailors of the United States.

Exhibit No.	Class'n No.
Merchant Tailors' Exchange, Kansas City, Mo. Dress coat, waistcoat and trousers.	652
Merwin, B. R., New York. Dress suit, house jacket, Tuxedo coat, etc.	652
Messenger Bros. & Jones, Boston. Double breasted box driving coat.	652
Mitchell, L. A., Chicago. Double breasted sack coat, vest and trousers.	652
Müller, A. F., New York. Riding habit waist and skirt.	652
Nagel, Conrad F., New York. Dress suit, waistcoat and trousers.	652
Olsen, O. G., Chicago. Coat, waistcoat and trousers.	652
Patterson, John, & Co., New York. Various, overcoat, trousers, etc.	652
Porinton, H. G., Chicago. Promenade overcoat, uniforms, etc.	652
Saalmann, John B., New York. Single breasted box overcoat.	652
Schaub Bros., Chicago. Double breasted box overcoat, dress suit, etc.	652
Schaub Bros., St. Paul, Minn. Dress suit, waistcoat, trousers.	652
Sheridan, W. G., Chicago. Coat, vest and trousers.	652
Somers, Frank D., Boston. Double breasted frock coat, waistcoat, trousers.	652
Turner, Henry, Chicago. Overcoat, dress suit, tourist's coat, trousers.	652

Exhibit No.	Class'n No.
47. Twyeffort, E., New York. Morning hunting coat, waistcoat and breeches.	652
48. Vredenburg & Brooks, New York. Double breasted frock coat and waistcoat, trousers.	652
49. Walshe, R. J., Chicago. Double breasted frock coat, overcoat.	652
50. Weiss, Jules C. & Co., New York. Driving overcoat, dress coat (style 1799), trousers.	652
51. Werno, Henry, Chicago. Dress coat, waistcoat, trousers.	652
52. Wessman, J. P., New York. Overcoat, dress coat, waistcoat and trousers.	652
53. Winter, Julius, Jr., Louisville, Ky. Cutaway frock coat, waistcoat, trousers.	652
54. Wright, R. C. & Co., Denver, Col. Overcoat, dress coat and waistcoat, business suit.	652
55. Yates, John A. & Co., Detroit, Mich. Cutaway suit.	652

## GROUP 106.

56. Washington Exchange, Washington. Table cloth made of 5,830 pieces.	665
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## GROUP 121.

57. Mitchell, John J., New York. American fashion plates.	
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## ARGENTINE REPUBLIC.

LOCATION—SEC. B, BLOCK 4.

Druggists' Supplies, Paints and Dyes, Typewriters, Paper, Ceramics, Mosaics, Etc.

## GROUP 87.

Exhibit No.	Class'n No.
1. Antuono, A., Buenos Ayres. Perfumery.	549
2. Carnasa & Co., Buenos Ayres. Extract of anise.	549
3. Carton, Louis, Goya, Covirantes. Pharmaceutical preparations.	548
4. Colodrero & Carton, Goya. Pharmaceutical preparations.	548
5. Cotti, Jose, Lomas de Zamora, Buenos Ayres. Pharmaceutical preparations.	548
6. Drogueria del Pueblo, Rosario de Sante Fe. Citrate of magnesia.	548
7. Farmacia y Drogueria del Pueblo de Ricardo Mors, Parana, Entre Rios.	
a Pharmaceutical preparations.	548
b Extracts, etc.	549
8. Ferraro, Jose, Buenos Ayres. Pharmaceutical preparations.	548
9. Francois, F., Buenos Ayres. Drugs and pharmaceutical preparations.	547
10. German & Oreste, Buenos Ayres. Florida water.	549
11. Gietz & Navarro, Rosario de Santa Fe. Pharmaceutical preparations.	548
12. Llobet, Prof. Dr. A. F., Buenos Ayres. Chocloina.	549
13. Morelli, F., Buenos Ayres. Perfumes.	549
14. Orejas, T., Buenos Ayres. Dentifrice paste.	549
14a. Pezza, Francisco, Buenos Ayres. Tincture for the hair.	549
15. Roccatagliata, Agustini. Buenos Ayres. Extract.	549
16. Rolls, Formosa. Perfumes.	549
17. Salinas, Buenos Ayres. Hair tonic.	547
18. Segnat, E., Buenos Ayres. Cologne water.	549
19. Vinet, F., Buenos Ayres. Perfumery and soaps.	549
19a. Zambrano & Co., Buenos Ayres. Perfumery.	549
GROUP 88.	
20. Pezza, Francisco, Buenos Ayres. Inks.	552
21. Vilmaux, A., Buenos Ayres. Inks, etc.	552

## GROUP 89.

Exhibit No.	Class'n No.
22. Farmacia del Pueblo de Ricardo Mors, Parana, Entre Rios. Typewriter.	564
23. Fantova, T., Buenos Ayres. Liquid gum.	564
24. Armentano, Vicente, Buenos Ayres. Office desk.	566
25. Baglietto, P., Buenos Ayres. School desk.	566
26. Banks, Francisco, Buenos Ayres. Window blinds.	566
27. Cabalin, Emilio, Cordoba. Model of stairway.	569
28. Mona, Pablo, Buenos Ayres. Billiard table, etc.	566
29. National Board of Education, Buenos Ayres. School desks.	566
30. Rocca, T., Buenos Ayres. Arm chair.	565

## GROUP 91.

31. Barone, T., Buenos Ayres. Mosaics.	560
32. Farina, P., Tucuman. Ceramics.	576
33. Equiazu, Santa Fe. Roof tiles.	578
34. Junor, Guillermo, Buenos Ayres. Roof and floor tiles.	578
35. Pozzo, J., Tucuman.	
a Mosaic floor tiling.	578
b Mosaics.	580
36. Spinedi, B., Buenos Ayres. Mosaics.	580
37. Zamboni, E., Parana, Entre Rios. Mosaics.	580
38. Zambori & Co., Buenos Ayres. Mosaics.	580

## GROUP 93.

39. Lauer, S., Buenos Ayres. Art castings.	585
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## GROUP 94.

40. Zamba & Saumel, Buenos Ayres. Glass engraving.	592
41. Liparelli, Felix, Buenos Ayres. Glass sign painting.	593
42. Mary, Feliciano, Buenos Ayres. Glass engraving.	592
43. Rigolleau, Leon, Buenos Ayres. Glassware.	590-593

wings, Silk, Woven and Felted Goods, Clothing, Furs, Laces, Rubber, Leather, Etc.

GROUP 98.

Exhibit No.	Class No.
Alexander, Octavio, Buenos Ayres. Bone carving.	599
Bonetti, Americo, Buenos Ayres. Wood carving.	598

GROUP 100.

Alietta, T. M., Ranch, Buenos Ayres. Silk in cocoon and thread.	625
Gioda, J., Santa Fe. Silk in cocoon and thread.	625
Toschni & Gatti, Concepcion del Uruguay. Silk in cocoon and thread.	625

GROUP 103.

Acuna, N., Catamarca. Vicuna and silk shawl.	651
Committee, Belen, Catamarca. Vicuna shawl.	651
Isamendi, Gnr. R., Luscatao Salta. Vicuna white and Guanaco shawls.	651
Prat, A., Buenos Ayres. Woolen goods.	641

GROUP 104.

Arbelo & Bro., Buenos Ayres. Footwear.	656
Blattes, L., Buenos Ayres. Shoe patterns.	656
Capelle, Arturo, Buenos Ayres. Footwear.	656
Huergo, Joaquin, Buenos Ayres. Knit goods.	657
Rivas, M., Buenos Ayres. Knit goods.	657
Pallier, A., Buenos Ayres. Gloves.	657
Steinberg & Co., Buenos Ayres. Hirts and neckties.	658
Videla, Juan, Buenos Ayres. Military leather trappings.	658
Viuda, Jori, Buenos Ayres. Book of wool.	658

GROUP 105.

Lopez, Gregorio, Buenos Ayres. Hides and hides for furs.	660
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GROUP 106.

Avalos, Lidia, Corrientes. Nanduty. silk.	665
Diaz, Amalia, Tucuman. Embroidery silk.	665
Fernandez, Rosa, Tucuman. Embroidery in silk.	666
Padilla, Maria, Tucuman. Embroidery silk.	665
Penna, Maria, Tucuman. Embroidery silk.	665
Sanchez, Rita, Tucuman. Embroidery silk.	665

Exhibit

Class

No.	No.
67. Romano & Sister, Buenos Ayres. Artificial flowers.	666
68. Santarelli & Lobato, Buenos Ayres. Artificial flowers.	666
69. Saumel, Maria Luisa, Buenos Ayres. Artificial flowers.	666
70. Vitale & Barbagelata, Buenos Ayres. Artificial flowers.	666
71. Aquistapace, Buenos Ayres. Buttons.	668

GROUP 107.

72. Castano, Juan, Buenos Ayres. Artistic work in hair.	672
73. Scafati, Angel, Buenos Ayres. Artistic work in hair.	672
74. Thiery, E., Buenos Ayres. Horsehair work.	672

GROUP 108.

75. Borok, S. Buenos Ayres. Rubber goods.	683
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GROUP 111.

76. Basabilvaso, R., Mar del Plata, Buenos Ayres. Cowhides.	696
77. Equigorre, J., Concepcion del Uruguay. Leathers.	697
78. Ferrari, L. de, Buenos Ayres. Embossed leather.	700
79. Guerrero, Carlos, Tuyu, Buenos Ayres. Steer hides.	696
80. Guglielmetti, Azul, Buenos Ayres. Hides.	696
81. Lespade & Dupont, Concepcion del Uruguay. Leathers.	697
82. Marra & Liaudat, Capital, Buenos Ayres. Leather straps and belting.	704
83. Meiners, Federico, Esperanza, Santa Fe. a Tanned leathers.	697
b Leather straps.	704
84. Nogues Bros., Reconquista, Santa Fe. Leathers.	697
85. Perez & Cacto, Buenos Ayres. Hides.	696
86. Piazza Bros. & Guglielmetti, Azul. a Hides.	696
b Leathers.	697
87. Resoagli, Francisco, Posadas, Misiones. Cowhides.	696
88. Reverchon & Kepf, Posadas, Misiones. Calfskin.	697
90. Tezanos, Pinto, Alvina & Co., Jujuy. Calf skin.	697
91. Videla, Juan, Buenos Ayres. Leather.	699

GROUP 115.

92. Baeder, Fernando, Buenos Ayres. Brass cook stove.	727
93. Ghio & Linari, Buenos Ayres. Economical cook stove.	727

## Heating Apparatus, Tinware, Wire Goods, Iron and Metal, Safes, Miscellaneous.

Exhibit No.	Class'n No.
93a. Molet, A., Buenos Ayres. Kitchen utensils and other articles for household purposes.	730
94. Paladino, Jose, Buenos Ayres. Economical cook stove.	727

## GROUP 116.

95. Molet, A., Buenos Ayres. Tin plate stamping and tinware.	732
96. Dresco, J. B., Buenos Ayres. Candle patterns.	733

## GROUP 117.

97. Freiz & Co., Buenos Ayres. Fence wire.	742
98. Ottonello & Co., Jose, Buenos Ayres. Bolts and screws.	742

## GROUP 118.

99. Coeur, J., Buenos Ayres. Horse shoes.	746
99a. Gibelli, G., & Co., Buenos Ayres. Artistic forgings.	743
100. Monseny, Francisco, Concepcion del Uruguay, Entre Rios. Iron and bronze castings.	743

## GROUP 119.

101. Blanco, J. A., Buenos Ayres. Carpenter's tools.	749
102. Casals & Vehils, Buenos Ayres. Carpenter's tools.	749
103. Fiocca, A. S., Buenos Ayres. Carpenter's tools.	749
104. Stetson, C. M., Buenos Ayres. Safety bolt.	747

## GROUP 121.

105. Ferrea, Panoni, Buenos Ayres. Advertising match box.	
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Exhibits Classified in Other Departments but Installed in This.

## DEPARTMENT A.

## GROUP 12.

106. Argentine Brewery, Quilmes, Buenos Ayres. Beer.	73
107. Bidart & Luppi, Uruguay, Entre Rios. Beer.	73
108. Bieckert Brewery, Buenos Ayres. Beer.	73
109. Neumayer & Co., Santa Fé. White and export beer.	73
110. Schwab, T., Uruguay, Entre Rios. White and black beer.	78

## DEPARTMENT B.

## GROUP 20.

111. Correa, Concordia, Entre Rios. Red wines.	127
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Exhibit No.	Class'n No.
112. Costa, L., & Co., Buenos Ayres.	
a White wines.	126
b Red wines.	127
c Brandy.	131
113. Doncel, Rosauro, San Juan.	
a White wines.	126
b Red wines.	127
114. Echegaray, Miguel & Carlos, San Juan.	
a White wines.	126
b Red wines.	127
115. Ferreyra & Echegaray, San Juan.	
a White wines.	126
b Red wines.	127
116. Galarza, Concordia, Entre Rios.	
Red wines.	127
117. Macellins Hermanos, Concordia, Entre Rios. Red wines.	127
118. Maradona, Antonio, San Juan.	
a Raisins.	126
b White wines.	126
c Red wines.	127
119. Maurin, Juan, San Juan.	
a White wines.	126
b Red wines.	127
c Brandy.	131
120. Munti, Francisco, Lujan, Buenos Ayres. Brandy.	131
121. Oriol, Concordia, Entre Rios. Red wines.	127
122. Pagano, Jose, San Juan.	
a White wines.	126
b Red wines.	127
123. Ravena & Gambia, Concordia, Entre Rios. Red wines.	127
124. Saletnich & Co., Buenos Ayres.	
White wines.	126
125. Sociedad Industrial de, Entre Rios.	
a White wines.	126
b Red wines.	127
126. Thierney, Juan M., San Juan.	
a White wines.	126
b Red wines.	127

## GROUP 21.

127. Gambaudi, L., & Hermano, Buenos Ayres. Canned fruits and confections.	140
128. Granja, Oriol, Concordia, Entre Rios. Olives.	140

## GROUP 23.

129. Commission of San Juan. Beans.	172
129a. Maradona, Antonio, San Juan. Beans.	172

## GROUP 24.

130. Maradona, Antonio, San Juan. Onion seed.	124
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Miscellaneous.

DEPARTMENT C.

GROUP 34.

- |  |             |
|--|-------------|
| Exhibit No.                              | Class'n No. |
| 34. Mougnier & Seghivitta, Buenos Ayres. |             |
| Ostrich feathers.                        |             |

DEPARTMENT E.

GROUP 43.

2. Cruvellier, Juan, San Juan. Coal. 292

GROUP 44.

3. Colombo, Jose, San Juan. Marble. 296  
4. Parnisari, Emilio, San Luis. Green marble. 296

GROUP 47.

5. Maradona, Antonio, San Juan. Gypsum. 313

GROUP 48.

1. Maradona, Antonio, San Juan. 314  
a Salt.  
b Alum.

DEPARTMENT F.

GROUP 69.

2. Pascuale & Co., Buenos Ayres. Pump. 417  
3. Squarcini & Co., Buenos Ayres. Pump. 417

GROUP 74.

2. Doe, John, Buenos Ayres. Machine for printing in different colors. 468

GROUP 75.

1. Compania Sud Americana de Bilets de Banco, Buenos Ayres. Lithographic bank note specimens. 469  
2. La Velocidad, Parana. Lithographing and printing. 469  
3. Molet, A., Buenos Ayres. Printing in ink and plate. 470  
4. Pangs & Carones, Rosario. Lithographing and printing. 469  
5. Woelflin, F., Rosario. Lithographing and printing. 469

DEPARTMENT G.

GROUP 80.

- Uzin, J. M., Buenos Ayres. Railway tickets. 502

GROUP 83.

- Leon, Domingo, Buenos Ayres. Railway carriages. 521

DEPARTMENT J.

GROUP 126.

- |   |             |
|---|-------------|
| Exhibit No.                                   | Class'n No. |
| 140. Carreras, Buenos Ayres. Lightning rod.   | 769         |
| 141. Sager, C., Buenos Ayres. Insulated wire. | 769         |

DEPARTMENT K.

143. Pinto, Juan, Prof., San Luis. Artistic work representing hymn dedicated to Colombo.  
144. Sassi, Miss Sara, Buenos Ayres. Designs in lead pencil.

DEPARTMENT L.

GROUP 147.

145. Clausolles, Dr., Buenos Ayres. Album with the description of his medical establishment. 829  
146. Sociedades de Beneficencia. Works made in the institutions. 842

GROUP 148.

147. Cruz, & C. E., Buenos Ayres. Physician's medicine and surgical case. 837  
148. Vassilicos Josefa Aguirre de, Buenos Ayres. Model of human cerebrum. 837

GROUP 149.

149. Alumni of the Sixth Normal School at Rio IV., Córdoba. School works. 852  
150. College of our Lady of Huerto, Parana, Entre-Rios. Handicraft work, etc. 843  
151. College of the Sisters of the Good Shepherd, San Juan. Handicraft specimens, etc. 843  
152. English School, Buenos Ayres. Maps and drawings. 845  
153. Escuela Normal de la Plata. Handicraft work, etc. 843  
154. Escuela Normal Mixta de Esquina, Corrientes.  
a Samples of school work 842  
b Samples of handicraft work. 844  
155. Graduate Municipal School No. 2 of Parana, Entre-Rios. School work. 344  
156. Graduate Principal Night School of Parana, Entre-Rios. Book binding. 344  
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78. Zeckert, Johann & Sohn, Meistersdorf (Bohemia). Fancy glassware.	593	98. Robesch, Johann, Vienna. Gold and silverware.	604
<b>GROUP 96.</b>		99. Scheid, G. A., Vienna. Silverware and jewelry.	604
79. Albert, Alexander, Vienna. Ebony work.	598	Silver fancy goods, cigarette cases, match boxes, souvenir spoons, etc. Choice painting, enameling and artistic modeling a specialty.	
80. Amber Turners of Vienna, Collective exhibit: Amber and meerschaum work: Anton Budel, Franz Danes, Franz Irge, Ignaz Kunesch, Johann Lederer, Adolf Lichtblau, Johann Ossana, Brueder Spiller. Pearl and ivory: Rudolf Furtner, Victor I. Wachtel. Smoking articles: Georg Berouschek, Josef Frankenstein, Ludwig Pressler, Amon Reitter, Franz Siroucek, Thomas Straitt. Wood: Mich., Bing & Sohn, Rudolf Breyer, Edler & Vincenz, M. Goldfarb, Franz Hiess & Sohne, H. Kemperling, Karl Kunisch, Leo Langstein, Johann Ledwina, Karl Mueller, Karl Pawlick. Metal: Josef Beran, Josef Homolka, Johann Payer, Johann Persinger, Anton Schall, Julius Zipper.	680	100. Stern, Heinrich, Vienna. Metal goods.	608
81. Bamberger, Carl, Vienna. Ebony work.	598	101. Trnka, Gebraeder, Prague. Metal goods.	608
81a. Hiess, Franz and Soehne, Vienna. Carvings in ivory, amber and shell.	599	102. Unger, Franz, Vienna. Fancy metal goods.	608
82. Klopfer, John, Vienna. Carvings in ebony.	598	103. Zander, Alfred, Vienna. Tableware.	608
82a. Krehan, Karl, Vienna. Carvings in mother of pearl.	599	<b>GROUP 98.</b>	
83. Krejcik, Josef, Prague. Ecclesiastical wood carvings.	598	104. Fuxa, Gebrueder, Kuttenberg (Bohemia). Jewelry.	612
84. Loewy & Fuchs, Vienna. Wood carvings.	598	105. Gerlitzky Josef R., Prague. Garnet articles.	615
85. Pfeiffer, Carl, Vienna. Carved wood.	598	106. Goldschmidt, Michael, Soehne, & L., Hoflieferanten, Vienna. Garnet articles.	615
86. Robitschek, F., Karbitz, Bohemia. Rosaries, crucifixes, etc.	598	107. Heller, Baldwin, Soehne, Teplitz (Bohemia). Jewelry.	612
87. Scheiber & Klein, Vienna. Carvings in ebony.	598	108. Jeiteles, Jakob H. Soehne, Gablonz (Bohemia). a Jewelry. 612 b Pearls. 615	
<b>GROUP 97.</b>		109. Jira, Franz, Prague. Garnet goods.	615
88. Boehm, Herman, Vienna. Gold and silverware.	604	110. Kaminski, D. Prague. Garnet goods.	615
89. Frank Brueder, Vienna. Gold and silverware.	604	111. Kersch, M., Vienna. Garnet goods.	615
90. Gallus & Wolf, Prague. Gold and silverware for the table.	604	112. Kirchner, Marie, Goers (Kustonsand). Jewelry.	612
91. Heller, Baldwin, Soehne, Teplitz, Bohemia. Metal ware.	608	113. Kretsch, Jacques, Vienna. Jewelry.	612
92. Jira, Franz, Prague. Gold ware.	604	114. Paxreiner, Karl, Vienna. Jewelry.	612
93. Langer, Emil Rudolf, Landskron, Bohemia. Gold and silverware.	607	115. Roessler, J., Gablonz (Bohemia). Jewelry.	612
94. Lustig, Karl L., Vienna. Gold and silverware.	604	116. Sailer, Benedict, Vienna. Goods of tortoise-shell and horn.	614
95. Peterka, Johann, Vienna. Metal goods.	608	117. Schier, Franz, Gablonz, near Reichenberg. Jewelry.	612
96. Pick & Fleischner, Vienna. Cane heads.	607	118. Schlechta, Franz, Curma (Bohemia). Garnet goods.	615
97. Porzer, Thomas, Vienna. Cane heads of gold and silver.	607	119. Steiner & Kolliner, Prague. Garnet goods.	615
		120. Tresnak, Johann, Vienna. Garnet goods.	615
		121. Turiet & Bardach, Vienna. Jewelry.	612
		122. Weigend & Poeschner, Tyssa, near Bodenbach (Bohemia). Jewelry.	612
		123. Wuensch, Adolf E., Triest. Jewelry.	612

## Horology, Silks, Yarns, Woven and Felted Goods, Clothing, Trimmings, Etc.

## GROUP 99.

Exhibit No.	Class'n No.
Faza Gebrueder, Kuttenberg (Bohemia). Parts of watches.	618

## GROUP 100.

Hueckls J. Soehne, Neutitschein (Bohemia). Soft and stiff hair and velvet.	630
Leon, Julius, Vienna. Portrait of His Majesty, the Emperor of Austria, woven silk.	620
Neumann, David, Sohn, Zwittau (Bohemia). Silk goods and velvets.	630

## GROUP 101.

Garber, Johann & Sohn, Vienna. Linen goods.	668
Hahl, Johannes, Starkenbach, Bohemia. Linen goods.	639
Helfert, Karl, Freudenthal (Silesia). Cotton goods.	639
Linen and damask goods.	639
Marburg, G., Freudenthal (Silesia). Cotton goods.	638
Linen goods.	639
Plischke, J., & Soehne, Freudenthal. Cotton goods.	638
Linen goods.	639
Siegl, Karl, sen., Maehr, Schoenberg. Linen goods.	639

## GROUP 102.

Aspitz L. Enkel, Brunn. Woolen goods.	641
Jaur & Soehne, Innsbruck. "Loden" (with Alpine photographs).	641
Kurz, Franz, Jagerndorf (Silesia). Linen goods.	641
Matze, Heinrich, Brauns. Woolen goods.	641
Mayer, Jos. J., & Co., Vienna. Linen goods.	641
Oesterreicher, Josef St., Prague. Linen goods.	647
Puttmann, Jakob & Soehne, Proppau. Linen goods.	641
Reich, Friedrich, Bruenn. Woolen goods.	641
Reimon, Jos. J., Reichenberg. Linen goods.	641
Reimck Brueder, Bruenn. Woolen goods.	641
Schwarz, Philipp, Vienna. Small for furniture.	647
Schper, Eduard, & Sohn. Colored linens.	641

## GROUP 104.

Wiedie, Edouard (Maison de Blanc), Linerie.	653
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## Exhibit No.

## Class'n No.

145. Dewideles, Simon, Prague. Gloves.	657
146. Fuerth, Wolf & Co., Strakowitz (Bohemia). Turkish fez.	654
147. Gibian, M., Vienna. Gloves.	657
148. Habig, P., & Co., k. k. Hofhutmacher, Vienna. Felt and silk hats.	654
149. Fta, J. Heintz, Vienna. Felt and silk hats.	654
150. Joss, M., & Loewenstein, Prague. Laundry goods.	658
150a. Kirchner, Marie, Goerz. A jour shoe ware.	656
151. Loewenstein, Adolf R., Vienna. Boots and shoes.	656
152. Maison Olga Edelmann, Vienna. Costumes.	653
152a. Menkes, Ephraim, Elbeteinitz (Bohemia). Model of bureau.	657
153. Stiassny, Franz & Max, Hoflieferanten, Vienna. Gloves.	657
154. Strakosch, B., Vienna. Boots and shoes.	656
155. Suppancic, V., Vienna. a. Shirts.	658
b. Corsets.	658
156. Weiss, Rudolf, Vienna. Gloves.	657
157. Zucker, Mathias, & Co., Vienna. Turkish fez.	654

## GROUP 106.

158. Adler & Langer, Buenauburg (Bohemia). Metal buttons.	668
159. Bruck, F., Teplitz (Bohemia). Buttons of stone-nut.	668
160. Heller Baldwin Soehne, Teplitz (Bohemia). Buttons.	668
161. Jetteles, Jakob, H. Sohn, Gablonz (Bohemia). Fancy buttons and hat trimmings.	668
Agents for U. S. A., Ostheimer Brothers, Philadelphia and New York and in the Austrian section, Chicago exhibition.	
162. Mayer, Sigmund, Vienna. Fans.	667
163. Paechter, Adolf, Bodenbach. Buttons.	668
164. Pick & Fleischner, Vienna. Metal buttons.	668
165. Popp, Hermann, Vienna. Pearl buttons.	668
166. Storcks Karl, Nachfolger, Vienna. Buttons.	668
167. Stupka, Mariette, Vienna. (Collective exhibit of the turners of Vienna.) Fancy buttons.	668
168. Tragsail, Heinrich, Vienna. Fans.	667
169. Traub & Strauss, Vienna. a. Fans.	667
b. Trimmings.	668

Hair Work, Traveling Equipments, Scales, Material of War, Etc., Miscellaneous.

Exhibit No.	Class'n No.
170. Weigend & Pueschner, Tyssa, near Bodenbach (Bohemia). Metal buttons.	668
171. Weisz, Samuel, Vienna. Fans.	667

**GROUP 107.**

172. Mayer, Sigmund, Vienna. Combs.	675
172a. Spieler and Eisler, Vienna. Artistic whalebone.	675
173. Tauber, Johann & Soehne, Vienna. Brushes.	675

**GROUP 108.**

174. Arneth, Franz, Vienna. Fancy leather goods.	680
175. Bachinger, E., Vienna. Fancy leather goods.	680
176. Foerster, A., Vienna. Fancy leather goods.	680
177. Gussmann, Bernhard, Vienna. Fancy leather goods.	680
178. Heller, Karl, Vienna. Fancy leather goods.	680
179. Huebner, Ferdinand, Vienna. Fancy leather goods.	680
180. Lindner, Oswald, Vienna. Umbrellas and canes.	681
181. Mayer, Sigmund, Vienna. Fancy goods.	680
182. Walter, Georg, Vienna.	
a Smokers' supplies.	680
b Canes.	681
183. Weidmann, J., k. k. Hof und Kammerlieferant. Leather fancy goods.	680
184. Willrader, Carl, Vienna. Smokers' supplies.	680
185. Wuerzel, M., & Soehne, Vienna.	
a Leather fancy goods.	680
b Traveling equipments.	678

**GROUP 109.**

186. Trebitsch Brueder, Vienna. Rubber goods.	683
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**GROUP 110.**

187. Gmela, Franz, Unterdorf (Moravia). Fancy case of wood.	695
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**GROUP 111.**

188. Hoffmeier, Julius. Leather imitation for wall decoration.	705
Agent F. W. Maass, 31 Liberty St., N. Y.	
189. Poeschel's, Josef, Soehne, Vienna. Machine straps.	704

**GROUP 113.**

190. Skoda, E., Pilsen (Bohemia). Mitrail-leuses.	715
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**GROUP 115.**

Exhibit No.	Class'n No.
191. Hoschek Brueder, Prague. Steam cooking apparatus.	727
192. Reiss, August, Nathminger, Vienna. Coffee and tea cooking apparatus.	730

**GROUP 116.**

193. Denk, Josef, Vienna. Tin-plate goods.	733
194. Winkler, Alois & Co., Vienna. Tin-plate signs.	734

**GROUP 119.**

195. Egydyer Eisca und Stahl-Industria-Gesellschaft, Vienna. Files of crucible steel.	739
195a. Meintschel, Karl, Nixdorf, Bohemia. Pocket knives, scissors.	731
196. Skoda, E., Pilsen (Bohemia). Steel goods.	749

**GROUP 120.**

197. Dumont, Paul, Vienna. Bathing appliances and attachments.	743
198. Guttman, L., Vienna. Closets.	754
199. Nadhera, A., Vienna. Closets.	754

**GROUP 121.**

200. Hoffmann Josef, Reichenberg. Billiard cues.	
201. Kowarz, Johann, Vienna. Pearl goods.	
202. Krehan, Karl, Vienna. Pearl goods.	
203. Zabokrtsky, Franz, Prague. Billiard cues.	

Exhibits Classified in Other Departments but Installed in This.

**DEPARTMENT K.****GROUP 142.**

Paintings on Porcelain or Other Wares.

204. Komtschek, Anton Wenceslaus, Weinberg near Prague. Glass and porcelain paintings.	
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**DEPARTMENT L.****GROUP 150.**

Literature, Books, Libraries, Journals.

205. Enders, L. V. Noufischeim, Moravia. Stationery and printed goods.	844
206. Engel, Emil M., Vienna. Printed and lithographic work.	844
207. Halauska A., Hallein-Salzburg. Selenotype prints.	844

## BELGIUM.

LOCATION—SEC. 1, BLOCKS 1-2-3-4.

Druggists' Supplies, Paints, Paper, Upholstery, Ceramics and Mosaics.

## GROUP 87.

Exhibit No.	Class'n No.
Burelle, P., Brussels. Chemical products.	546
Coperman's, Alph., Antwerp. Pills.	547
Debin, Jules, Charleroi.	
a Pharmaceutical preparations.	547
b Bandages.	548
De Marbaix, Aug., Antwerp. Perfumery and soap.	549
Demonlin-Fastré, Jacques, Liège. Cosmetics and pomades.	549
"Fortis" Powder and Explosives Company, Limited, Brussels. Powder explosives.	550
Jonas, Aime, Brussels. Essential oils, essences.	549
Mampaey, Pierre, Antwerp. Elixir.	547
Poncelet, Em., Verviers.	
Lozenges; medicinal chocolates.	547
Bandages	548

## GROUP 88.

Ostelberge, Gustave, & Co., Mellemand. Ultramarine.	552
Peyer, Max, Brussels. Ink.	552
Tommen, F., Brussels. Artists' colors.	555
Tempels, Daniel, Brussels. Artists' colors.	555

## GROUP 89.

Wiers & Co., Merbes-le-Chateau. Minerated building-board for roofs.	557
Witois, J., & Co., Jupille-lez-Liège. Minerated building-board.	557
Wriendt, André, Brussels. Wrappaper.	558
Weyer, Maz Brussels. Paper.	560
Wens.	564
Wendmynsbrugge, Victor, London. Writers and stenographic machines.	564

## GROUP 90.

Exhibit No.	Class'n No.
17. Baes, Henri, Brussels. Decorative panels and drawings.	570
18. Damman & Washer, Brussels. Wainscoting, inlaid floors, etc.	571
18a. Demeuter, L., Son & Co., Brussels.	
a Furniture.	567
b Draperies.	568
19. Mazy, L., Brussels. Decorative painting.	571
19a. Meyer, Edouard, Brussels. Decorative panel.	569
20. Petit, J. B., père, Ixelles.	
a Chairs.	565
b Furniture.	567
c Hangings.	568
21. Petit, Julien, Ixelles. Decorative painting.	571
22. Pierrard, Joseph, fils, Brussels. Decorative painting.	571
23. Rosel, F., Brussels.	
a Furniture.	567
b Draperies.	568
24. Société Anonyme des Glaces d'Auvellais, Auvellais. Beveled mirrors.	569
25. Société Anonyme des Glaces de Charleroi, Roux. Beveled mirrors.	569
26. Tasson, Joseph, Brussels. Decorative panels.	570
27. Van Drooghenbroeck, Justinien, Brussels. Designs for paintings, coats of arms, escutcheons, etc.	570
28. Verstraete, Arthur Gand.	
a Easy chairs.	565
b Couches.	567

## GROUP 91.

29. Boch, frères, La Louvière.	
a Porcelain table ware.	577
b Tiles.	578
c Mural decorations.	579
30. Escoyez, Louis, Tervre. Ceramic tiles.	
	578
31. Fieve, G., & Co., Gand. Tiles.	578
31a. Pollard, J., Brussels. Terra cotta ware for decorative purposes.	574
32. Willmart, E., & Co., Bascles, Marble tile.	578

## Mantels, Art Metal Work, Glassware, Jewelry, Etc.

## GROUP 92.

Exhibit No.	Class'n No.
33. Denis, Victor, Brussels. Marble mantels.	583
34. Evrard-Higot, L., Annevoie. Marble mantel.	583
35. Evrard, Léonce, Brussels. Marble mantels and objects of art.	583

## GROUP 93.

36. Compagnie des Bronzes, Brussels. Bronze statues, vases, groups, etc.	585
36a. Seghers, Castelle (Guillaume), Brussels. Screen of forged iron.	585
37. Vandonck, Louis, Brussels. Art bronzes.	585

## GROUP 94.

38. Baudoux, Eugène, Jumet. Window glass.	590
39. Bauthière, Jules, Montigny-sur-Sambre. Window glass.	590
40. Desgais Frères, Lodelinsart. Window glass.	590
41. Lambert & Co., Jumet. Window glass.	590
42. Mondron, Leon, Lodelinsart.	
a Window glass.	590
b Cut glass, engraved and etched.	592
c Fancy glassware.	593
43. Pierson, J., fils, Brussels. Engraved glass.	592
44. Société anonyme des Verreries de la Roue, Lodelinsart. Window glass.	590
45. Société anonyme des Verreries de L'Etoile, Marchienne-au-Pont. Window glass.	590
46. Société des Verreries de Mariemont, Haine-Saint-Pierre. Window glass.	590
47. Société anonyme des Verreries de Jumet, Jumet. Window glass.	590

## GROUP 95.

48. De Taffe, Adolphe, Brussels. Stained glass.	596
49. Pluys, Léopold, Malines. Painted glass windows.	597
50. Willcox, Constant, Malines. Stained glass windows.	596

## GROUP 97.

51. Houy, C., Brussels. Silverware.	604
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## GROUP 98.

52. Brand, George, Brussels. Fancy jewelry.	612
52a. Dufour, Auguste, Brussels. Jewelry.	612

## Exhibit No.

Class'n No.

53. Houy, C., Brussels. Jewelry.	612
54. Vandemaele, Emile, Brussels. Jewelry.	612
55. Van Strydonck, Léopold, Brussels. Jewelry.	612

## GROUP 101.

56. Société anonyme de La Lys, Gand. Jute and tow fibres.	63
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## GROUP 102.

57. Baertsoen & Buysse, Gand. Linen and other fabrics.	63
58. Defraiteur, Eugène, Verviers. Corded goods.	63
59. Eloy & Co., Brussels. Cotton printed goods.	63
60. Société anonyme de Florida, Gand. Cotton fabrics and thread.	63
61. Société anonyme de La Lys, Gand. Linen thread and cord.	63
62. Société anonyme La Dendre, Termonde. Cotton counterpanes.	63
63. Société anonyme linière La Lièvre, Gand. Linen thread and cord.	63
64. Thienpont, L., & fils, Gand. Linen tablecloths, damask, etc.	63
65. Van den Bemden, J. B., Brussels. Candle-wick, etc.	63

## GROUP 103.

66. Darimont, L. & H. & frère, Verviers. Woolen goods.	64
67. Chatin, Joseph & Co., Ensival. Novelty goods.	64
68. Garot, L. & J., Verviers. Woolen goods.	64
69. Lejeune, Leon, Verviers. Carded wool; yarn.	64
70. Lieutenant, Henri, Pepinster. Combed and carded wool; yarn.	64
71. Petit & Follet, Verviers. Woolen goods.	64
72. Pirenne, frères, Verviers. Woolen goods.	64
73. Simonis, Iwan, Verviers. Woolen goods, billiard cloth, etc.	64
74. Société anonyme Belge de Peignage et Filature de Laine La Vesdre, Verviers. Yarns, etc.	64
75. Van Damme & Keuller, Hamme. Carpets.	64
76. Voos, J. J., Verviers. Woolen goods.	64

## GROUP 104.

77. Dutoit & Co., Brussels. Corsets.	64
78. Fontaine, frères, Leuze. Hosiery.	64

Furs, Laces, Traveling Equipments, Material of War, Etc.

Exhibit No.	Class'n No.
79. Gengoux, J. B., Brussels. Boots and shoes.	656
80. Gillet, F., Brussels. Boots and shoes.	656
81. Hepworth & Co., Watteren. Hosiery.	657
82. Manufacture de feutres et chapeaux, Brussels. Hats.	654
83. Vanbuggenhoudt, fils aine & Co., Brussels. Men's ready-made clothing.	652
84. Vaxelaire-Clares Brussels. Ladies' costumes, etc.	653

GROUP 105.

5. Block, C. & Welsch, A., Meirelbeke-lez-Gand. Furs and skins.	660
6. Block, Edmund, Gendbrugge. Furs and skins.	660
7. Jaubert, Edmond, Cureghsem. a Dyed furs and skins.	660
b Muffs, etc.	662
8. Société anonyme "La Fourrure," Alost. Furs and skins.	660

GROUP 106.

9. Campagnie des Indes, Brussels. Laces.	644
10. Dedlercq-Clément, Iseghem. Laces, etc.	664
11. Deroester, R., Brussels. Buttons and military ornaments.	668
12. Goetghebuer, Alida, Brussels. Embroideries.	665
13. Grossé, Joseph, Bruges. Embroidery.	665
14. Houtmans, Adrien-Jean, Brasschaet. a Laces.	664
b Embroideries.	665
15. Lavalette & Co., Brussels. Laces.	664
16. Minne-Dansaert, Mlle., Brussels. Laces.	664
17. Pierson, Joséphine, Ixelles. Embroideries, etc.	665
18. Verbist, M., Brussels. a Laces.	664
b Embroideries.	665

GROUP 108.

Houtain, Emile, Brussels. Pipe bowl.	680
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GROUP 109.

1. De Schampelaer, Pol., Gand. Rubber goods.	683
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GROUP 111.

Exhibit No.	Class'n No.
101. D'Anvers, Charles, Gand. Leather belting, etc.	704

GROUP 112.

102. Foldart, Mathieu, Brussels. Water meters.	711
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GROUP 113.

103. Ancion, J., Liege. a Military small arms.	714
b Sporting fire arms.	718
104. Clément, C., Liège. a Military small arms.	714
b Sporting fire arms.	718
105. Fabrique nationale d'armes de guerre, Herstal. Military small arms, ammunition.	714
106. Heuse-Lemoine, E., Nessonvaux. Gun barrels.	714
107. Lochet-Habran, Laurent, Jupille. Steel gun barrels.	714
108. Nagant, E. & L., Liège. Fire arms.	718
109. Pieper, Henri, Liège. a Military fire arms.	714
b Sporting fire arms.	718

GROUP 114.

110. Bruers, Louis, Brussels. Gas lamps.	721
111. Fraikin & Andrien, Liège. Lamps.	719
112. Schroëter-Aaerts, Malines. Brass chandeliers.	721

GROUP 115.

113. Bertels, Jos., Antwerp. Copper fireplace.	724
114. Fraikin & Andrien, Liège. Petroleum stoves.	729
115. Hepner, Brussels. Grates.	724

GROUP 116.

116. Aubry, Ad. & Fils., Gosselies. Household utensils of enameled iron.	734
117. Thibaut, L., & Co., Viesville. Enameled ware.	734

GROUP 118.

118. De Ceulener, Henri, Brussels. Horse-shoes.	746
119. Forges de la Providence, Marchienne. Shaped iron and steel, etc.	746
120. Mabilie, Valère, Mariemont. Iron and steel beams, girders, columns, etc.	745

## Hardware, Miscellaneous.

Exhibit No.	Class'n No.
121. Schryvers, Prosper, Brussels. Artistic iron work.	743
122. Seghers-Castelle, Brussels. a Wrought iron. b Fire boxes.	743 745
123. Sillen - Emmerechts, A., Blauw. Wrought-iron grating.	743
124. Société anonyme des usines et fonderies de zinc de la Vielle-Montagne; Angleur. Samples of roofing.	744

## GROUP 119.

125. Focroulle, Charles, Kinkempois-Angleur. Jack screws.	747
126. Lukers, Guillaume & Gendarme, Seraing. Jack screws.	747

## GROUP 121.

Exhibit No.	Class'n No.
127. Thomas, Père & Fils, Liège. Builders' hardware.	744
128. Marchal, Louis-Myacinthe, Brussels. Fire-proof clothing.	

Exhibits Classed in Other Department but Installed in This.

## DEPARTMENT L.

## GROUP 147.

Physical Development, Training and Condition—Hygiene.	
129. Wittevooghel, Gastave, Antwerp. Filtering sewer gullies.	748

## BRAZIL.

## LOCATION—SEC. B, BLOCK 1 AND SECS. C AND D.

Druggists' Supplies, Colors, Paper, Upholstery, Ceramics and Mosaics.

## GROUP 87.

bit	Class'n No.
Companhia Industrial de Marahu, Bahia. Toilet soaps.	
Companhia Promotora de Industrias e elhoramentos, Alagoas. Soap.	
Fabrica Allianca, Para. Soap.	
Lang, F.C., Rio Grande do Sul. Toilet aps, etc.	
Oliveira, Domingos J. de, Rio Grande	
Sul. Toilet soaps and various es- sences.	

## GROUP 88.

Companhia Industrial de Tinta, Sar- aha, Rio de Janeiro. Writing ink.	562
Cunha, Manoel Joaquim de, Rio de Ja- iro. Shoe blacking.	552
Kohler, Nicolao, Rio Grande do Sul.	552
a Writing ink.	552
b Varnishes.	555
Mayrink, Tinta, Rio de Janeiro.	552
Writing ink.	552
Monteiro, C., Riode Janeiro. Writing	552
Reis, Domingos T. A. dos, Para.	555
rnishes.	555

## GROUP 89.

Anachoreta & Co., Rio de Janeiro.	568
all paper.	568
Bonora & Ricardo, Rio Grande do Sul.	556
ferent kinds of paper.	556
Companhia Melhoramentos de Sao	566
Mo. Paper.	566

## GROUP 90.

Arsenal de Guerra, Pernambuco.	565
ir.	565
Bahia State Commission, Bahia.	565
Chairs.	565
Tables.	566
Inlaid wood boxes.	570
Borris Freres, Ceara. Turned wood	566
ser.	566
Companhia Fabrica de Moveis, Rio	566
ride do Sul. Table.	566
Companhia Manufactora de Moveis,	566
de Janeiro. Set of furniture of jaca-	567
ia, inlaid with various wood.	567

Exhibit No.	Class'n No.
19. Companhia Marcenaria Brasileira, Rio de Janeiro.	
a Carved arm chair and small chairs.	566
b Mosaic table.	566
20. Companhia Uniao Industrial de Sao, Sebastiao, Rio de Janeiro. Upholstery.	568
21. Faria, Amalia Razalina Correa de, Para. Frame, with picture.	570
22. Kneese, Eduardo B., Sao Paulo. Mo- saic tables.	566
23. Leme, Luiza Paes, Minas Geraca. Frame, with natural flowers.	570
24. Mangini, J. A., Sao Paulo. Mosaic flooring.	571
25. Maranhao State Commission, Maran- hao. Picture frame.	590
26. Marinho Manoel Nunes, Para. Card table.	566
27. Napoleao Irmao & Co., Ceara. Turned wood.	570
28. Ory, Fortunato, Para. Frame with the seal of the state of Para, made of natural leaves.	570
29. Rio de Janeiro State Commission, Rio de Janeiro. Table.	568
30. Sao Joao de Monte Negro, Intenden- cia Municipal. Set of furniture.	567
31. Schanwald, Otto, Rio Grande do Sul. Upholstery.	568
32. Seminario Episcopal de, Porto Alegre, Rio Grande do Sul. Mosaic frame.	570
33. Silva, Fernandes, & Co., Pernambuco. Chairs.	565
34. Souza Ignacio Tavares de, Rio de Janeiro.	
a Mosaic tables, etc.	566
b Mosaic flooring.	571

## GROUP 91.

35. Alagoas State Commission, Alagoas. Pottery.	575
36. Bahia State Commission, Bahia. Pot- tery.	575
37. Companhia Ceramica, Para. Orna- mental bricks.	574

## Ceramics and Mosaics, Carvings, Fabrics, Clothing and Costumes.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
38. Companhia Melhoramentos de Sao Paulo, Sao Paulo.		61. Companhia Cedro e Cachoeira, Minas Geraes. Woven goods of cotton.	61
a Bricks.	574	62. Companhia de Cultura e Tecido Agodao, Sao Paulo. Woven goods of cotton.	62
b Tiles.	578	64. Companhia de Fabricas de Tecido Sao Paulo. Woven goods of cotton.	64
39. Cresta Emanuel & Co., Rio de Janeiro. Hydraulic bricks.	574	66. Companhia Industrial Sabarac Minas Geraes. Woven goods of cotton.	66
40. Esberard, F. A. M., Rio de Janeiro. Pottery and ceramic.	575	67. Companhia Manufactureira, Lins Estrella, Rio de Janeiro. Cotton thread.	67
41. Joao Costa & Co., Para. Pottery.	575	68. Companhia Progresso Industrial Bahia, Bahia. Woven goods of cotton.	68
42. Lobo & Co., Para. Ornamental bricks.	574	69. Companhia Progresso Maranhao, Maranhao. Woven goods of cotton.	69
43. Napoleao Irmao & Co., Ceara. Pottery.	575	71. Companhia Uniao Industrial Sao Bastiao, Rio de Janeiro. Bed coverings and stockings.	71
44. Para State Commission, Para.		72. Fabrica da Cascata, Rio de Janeiro. Seamless bags.	72
a Bricks.	574	73. Fabrica da Torre, Pernambuco. Woven goods of cotton.	73
b Tiles.	578	74. Fabrica de Fiacao e Tecido de Algodao, Rio de Janeiro. Woven goods of cotton.	74
45. Rio de Janeiro State Commission, Rio de Janeiro. Bricks.	574	75. Fabrica de Fiacao e Tecidos Maranhense, Maranhao. Woven goods of cotton.	75
46. Serafim, Zeferino, Sao Paulo. Tiles and ceramic.	578	76. Fabrica de Tecidos Piauihy, Piauihy. Woven goods of cotton.	76
GROUP 94.		77. Fabrica de Tecidos Sao Joao, Rio de Janeiro. Bags.	77
47. Companhia de Crystaes e vidros, Rio de Janeiro. Glasses.	591	78. Fabrica Nacional de Tecidos Sao Aleixo, Rio de Janeiro. Woven goods of cotton.	78
GROUP 96.		81. Pereira Mendes & Co., Sao Paulo. Woven goods of cotton.	81
48. Fabrica de Formas para Calcado, Rio de Janeiro. Shoe forms.	598	82. Pompen Irmao, Ceara. Cotton woven goods of cotton.	82
49. Rio Grande do Sul State Commission, Rio Grande do Sul. Carved wood.	598	GROUP 103.	
GROUP 98.		83. Companhia Industrial Sabarac Minas Geraes. Cassimeres.	83
50. Piauihy State Commission, Piauihy. Gold penholder.	612	GROUP 104.	
51. Weil, J. & Co., Ceara. Jewelry.	612	84. Adolpho Schritzmeyer, Sao Paulo. Men's hats.	84
GROUP 102.		84a. Albuquerque, F. De & Co., Sao Paulo. Men's hats.	84a
52. Anashorata & Co., Rio de Janeiro. Ropes and twines.	638	85. Alves Porto & Co., Sao Paulo. Men's hats.	85
53. Andrade Guerra & Co., Minas Geraes. Woven goods of cotton.	638	86. Arsenal de Guerra, Rio de Janeiro. Army full uniforms.	86
54. Bahia State Commission, Bahia. Antefagum.	638	87. Bahia State Commission, Bahia. Underwear.	87
55. Barreto, J. & Co., Rio Grande do Norte. Woven goods of cotton.	638		
56. Ceara State Commission, Ceara. Cotton goods.	638		
57. Colonia Alfredo Chaves, Rio Grande do Sul.			
a Cotton goods.	638		
b Linen goods.	639		
58. Companhia Alagoana de Fiacao e Tecidos. Woven goods of cotton.	623		
59. Companhia Cachoeira de Macacos, Minas. Woven goods of cotton.	638		
60. Companhia Calxiense, Maranhao. Woven goods of cotton.	638		

Clothing and Costumes, Laces, Embroideries, Traveling Equipments, Etc.

	Class'n No.
Barreiros, José Manoel, Rio de Janeiro. Full dress uniform, cassimere and full dress suits.	652
Betteti, Francisco, Sao Paulo. Cassimere suit.	653
Braza, J. L. Fernandes, Rio de Janeiro. Men's hats.	654
Ceara State Commission, Ceara.	
a Cassimere suit for man.	652
b Cotton shirts.	658
Colonia, Alfredo Chaves, Rio Grande Sul. Cotton stockings.	657
Companhia Parana Industrial, Parana. Men's hats.	654
Companhia Chapelavia Norte Industrial, Bahia. Men's hats.	654
Dupeyrat, Mme. Camille, Rio de Janeiro. Ladies' corsets.	653
Fabrica Nacional de Santa Rosa, de Janeiro. Underwear.	657
Immaculada Conceicao Collegio, Para. Hosiery.	657
Joaquim, Arthur & Irmao, Pernambuco.	
a Trousers.	652
b Shirts.	658
Marcondes Carvalho & Co., Sao Paulo. Men's hats.	654
Mattos, H., Rio de Janeiro. Kid shoes.	657
Nascimento, Manoel Vicente, Ceara. Men's hats.	654
Pereira, Emilia, Piauh. Ladies' hats.	655
Perracini, Irmãos, Parana. Ladies' hats.	653
Piauh. State Commission, Piauh. Hats.	658
Rosa, Maria Amelia, Piauh. Ladies' hats.	655
Santos, Jomo Brighdo dos, Ceara. Hats.	656
Schaitze, Oscar, Rio Grande do Sul. Hats.	658
Weekerle, João, Rio Grande do Sul. Full dress suit.	652

GROUP 105.

Regel, Izidoro, Rio de Janeiro.	660
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GROUP 106.

Morris, Freres, Ceara. Cushion, silk and crochet silk fichu.	665
Barreira, Virginia, Ceara. Crochet work.	665
Id, Lucinda V., Rio de Janeiro. Embroidered picture in frame.	665

Exhibit No.	Class'n No.
116. Companhia Uniao Industrial de Sao Sebastiao, Rio de Janeiro. Pins, hooks and eyes, hair pins and buttons.	668
117. Ferreira, Alzira Nazareth de S. Reis, Minas Geraes. Artificial orange flowers.	666
118. Gomes, Alberta Lydia, Maranhao. Art embroidery on velvet.	665
119. Immaculada Conceicao Collegio, Ceara. Art embroidery.	665
120. Job, Leocadia, Rio Grande do Sul. Embroidered lace handkerchief.	665
121. Maranhao State Commission, Maranhao.	
a Art embroidery on silk, lace handkerchiefs and towel.	665
b Artificial flowers.	666
c Embroidered silk and velvet cushions.	669
122. Menezes, Joaquina Aurelia de, Ceara. Crochet towels.	665
123. Minas Geraes State Commission, Minas Geraes. Embroidered towel and handkerchief.	665
124. Miranda, Silvia da Silva, Maranhao. Art embroidery.	669
125. Para State Commission, Para. Embroidered and crochet work.	665
126. Oliveira, M. Sergino de, Ceara. Crochet fichu.	665
127. Piauh. State Commission, Piauh. Crochet child's dress and embroidered table cloth.	665
128. Santa Casa de Misericordia de Fortaleza, Orphans, Ceara. Lace and embroidery.	665
129. Socio, Elvira Duarte, Maranhao. Art embroidery on velvet.	669
130. Souza, Leopoldo Alves de, Minas Geraes. Crochet towel and embroidered handkerchief.	665
131. Souza, Sophia Teixeira de, Minas Geraes. Crochet bed cover.	665

GROUP 107.

132. Bevilacqua & Co., Ceara. Tortoise shell combs and ornaments.	675
133. Napoleao Irmão & Co., Ceara. Horns, combs and ornaments.	675

GROUP 108.

134. A. de Carvalho & Co., Para. Trunks.	679
135. Alagoas State Commission. Trunks.	679
135a. Amazonas State Commission, Amazonas. Assorted hammocks.	676

## Toys, Material of War, Tinware, Metal Exhibits, Hardware, Miscellaneous.

Exhibit No.	Class'n No.
135b. Borria Freres, Ceara. Hammocks.	676
135c. Ceara State Commission, Ceara. Hammocks.	676
136. Colas, Thomaz de Aquino, Maranhao. Trunks.	679
137. Guimaraes, Laurentino de Souza, Bahia. Trunks.	679
138. Magalhães, Jose de Seixas, Rio de Janeiro. Trunks.	679
138a. Napoleao Irmao & Co., Ceara. Hammocks.	676

## GROUP 110.

139. Borris Freres, Ceara. Little tortoise shell safe with silver trimmings.	695
140. Maranhao State Commission, Maranhao. Dolls.	695

## GROUP 112.

141. Companhia Industrial do Brazil, Rio de Janeiro. Weights and measures.	712
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## GROUP 113.

142. Arsenal de Marinha, Pernambuco. Gunpowder dynamometre.	714
143. Arsenal de Guerra, Bahia.	
a Light artillery gun.	715
b Sword.	717
144. Bezerra, Antonio, Ceara.	
a Rifle.	714
b Silver dagger with fine stones.	717
145. Laboratorio Pyrotechnico do Campinho, Rio de Janeiro. War ammunition.	714

## GROUP 115.

146. Arsenal de Marinha, Pernambuco. Metal rack.	730
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## GROUP 116.

149. Companhia Nacional de Artefactos de Folhas de Flandres, Rio de Janeiro. Tinware.	733
150. Loureiro, Ferreira, Moura & Co., Rio de Janeiro. Coffee pots.	733

## GROUP 118.

152. Arsenal de Guerra de, Pernambuco. Steel horse-bit.	746
153. Companhia Industrial do Brazil, Rio de Janeiro.	
a Iron bars.	745
b Horse-shoes.	746

Exhibit No.	Class'n No.
154. Giacomo, Grigio, Rio Grande do Sul. Horse-shoes.	746
155. Paraes, Guilherme de Souza, Ceara. Wrought iron.	748
156. Guadros, J., Rio de Janeiro. Horse-shoes.	748

## GROUP 119.

158. Ceara State Commission, Ceara. Knives, forks, etc.	751
159. Companhia Fabrica de Pregos Postos de Paris, Rio Grande do Sul. Wire nails.	747
160. Companhia Industrial do Brazil, Rio de Janeiro. Iron and wire nails.	747
161. Berta, E., & Co., Rio Grande do Sul. Iron safe.	752

## GROUP 120.

162. Companhia Industrial do Brazil, Rio de Janeiro. Lead pipes.	759
163. Trompowsky, Oscar, Rio de Janeiro. Clay pipes.	755

## GROUP 121.

164. Companhia Industrial de Sao Paulo, Sao Paulo. Safety matches.	
165. Companhia Industrial de Brazil, Rio de Janeiro. Brooms, brushes and dusters.	759
166. Peterson & Kaiser, Rio Grande do Sul. Brooms, brushes, dusters, etc.	759

Exhibits Classified in Other Departments but Installed in This.

## DEPARTMENT A.

## GROUP 9.

167. Companhia de Canhamaco, Maranhao. Hemp.	759
168. Companhia Industrial Paulo Morense, Minas Geraes, Alvinopolis. Cotton.	759
169. Companhia Tecelagem Santa Lúcia, Rio de Janeiro. Hemp for bags.	759

## BULGARIA.

LOCATION—SEC. B, BLOCK 2.

## Collective Exhibit.

Collective Exhibit made by the Bulgarian  
Government of Products of the Country.

## DEPARTMENT A.

## GROUP 1.

Exhibit No.	Class'n No.
Ahmed, Hafaz, Philippopolis.	Rice. 6
Petroff, Evan Haji, Bourgas.	Wheat 11
Riza Ibrahim, Oghlou, Philippopolis.	ice. 6

## GROUP 2.

Petroff, Evan Haji, Bourgas.	Semolina. 15
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## GROUP 3.

Damyanioff, G. C., Bratzigovo.	Leaf tobacco. 48
Elioff, K., Haskovo.	Leaf tobacco. 48
Gergoff, A., Hijiels.	Leaf tobacco. 48
Ginoff, A. C., Perushtitza.	Leaf tobacco. 48
Haliloff, Hassan, Harmanly.	Leaf tobacco. 48
Mishaykoff, Gregor D., Sofia.	Leaf tobacco. 48
Racheff, A., Dubnitsa.	Leaf tobacco. 48
Stavridi, D., & Co., Hajielas.	Tobacco and leaf tobacco. 48
	Cigarettes. 52

## GROUP 11.

Anastasoff, N., Varna.	Whisky. 66
Anastasoff, Chr. N., Varna.	Whisky. 66
Andrieff, St., Lovech.	Whisky. 66
Boeff, N., Varna.	Whisky. 66
Boeff & Radavensky, Lovech.	Whisky. 66
Boyajieff, David, Lovech.	Whisky. 66
Christoff Bros., Karnobad.	Whisky. 66
Christoff, E., Aitos.	Whisky. 66
Pinkoff, G. H., Sistovo.	Whisky. 66

Exhibit No.	Class'n No.
23. Evanoff, K., Ferdinandovo, Lome.	Whisky. 66
24. Furiadis, Bazakas, Kustendil.	Whisky. 66
25. Ganeff, Yordan, Rustchuk.	a Whisky. 66
	b Vermouth. 69
26. Georgieff, Ev., Carlovo.	Whisky. 66
27. Geusheff, Toma, Hajielis.	Whisky. 66
28. Georgieff, Ev., Lovech.	Whisky. 66
29. Hesapchieff, Ev. Chr., Gabrovo.	Whisky. (Prune.) 66
29a. Ikononoff, St. P., Troyan.	Whisky. 66
30. Kostadinoff, G., Kustendil.	Whisky. 66
31. Kostoff, Jordan, Lovech.	Whisky. 66
32. Lazaroff, Tz., Lovech.	Whisky. 66
33. Macheff & Pavlitoff, Haskovo.	Whisky. 66
34. Manoloff, E., Anhielo.	Whisky. 66
35. Marinoff, T. C., Troyan.	Whisky. 66
36. Marinoff, Tohal, Teteven.	Whisky. 66
37. Mikhoff, G., Sevlizevo.	Whisky. 66
38. Minckoff, M., Karnobad.	Whisky. 66
39. Mineff, C. Tz. Bros., Lovich.	Whisky. 66
40. Monoleff, Petko, Harmanly.	Whisky. 66
41. Nedeff, A. T., Lovech.	Whisky. 66
42. Nedelkoff, Anton, Varna.	Whisky. 66
43. Nicheff, Theodore, Teteven.	Whisky. 66
44. Pervanoff, Gotzo, Ferdinandovo, Lome.	Whisky. 66
45. Petkoff, N., Berkovitz.	Whisky. 66
46. Petkoff, U., Sistovo.	Whisky. 66
47. Popoff, M., Lovech.	Whisky. 66
48. Radeff, Kosta P., Sevlizevo.	Whisky. 66
49. Russelieff, P., Burgas.	Whisky. 66
50. Shipkoventzky, P., Troyan.	Whisky. 66
51. Shwartz, Binder, T. Chirpan.	Whisky. 66
52. Siromashky, D., Kustendil.	Whisky. 66
53. Staneff, At., Philippopolis.	Whisky. 66

## Collective Exhibit.

Exhibit No.	Class'n No.
54. Staneff, Donchou, Sistovo. Whisky.	66
55. Staneff, M., Shumla. Whisky.	66
56. Sterianoff, Chr., Varna. Whisky.	66
57. Trifonoff, Chr., Varna. Whisky.	66
58. Tzekoff, Tr., Kustendil. Whisky.	66
59. Yancheff, E., Shumla. Whisky.	66
60. Yancheff, Jelko, Hermanly. Whisky.	66

## GROUP 18.

61. Argiroff, H. P. H., Philippopolis. Candles.	97
62. Fortuna Bros., Varna. Soap.	96
63. Staneff, A., Philippopolis. Candles.	97
64. Topoff, D., Widdin. Decorated candles.	97

## DEPARTMENT B.

## GROUP 20.

65. Altanoff, Penon T., Sivliyovo. Red wine.	127
66. Andrieff, St., Lovech. Red wine.	127
67. Belomvostakoff, D., Vratza. White wine.	126
68. Boeff, Nickola, Varna. White wine.	126
69. Boyajieff, K., Harmanly. Red wine.	127
70. Boyajisky, A., T. Bazarjik. Black wine.	127
71. Boyajieff, David, Lovech. Red wine.	127
72. Brechkhoff, S. Ev., Sistovo. Red wine.	127
73. Buchvaroff, Zlatan, Sofia. Wines.	127
74. Daskoloff, Chr. A., Philippopolis. a White wine.	126
b Red wine.	127
75. Dinkoff, G. H., Sistovo. a White wine.	126
b Black wine.	127
76. Drumeff, Dimitar, Rustchuk. Red wine.	127
77. Eisvora Co., Philippopolis. White wine.	126
78. Evanoff, T. K., Harmanly. Red wine.	127
79. Foshlach, Bazakas, Kustendil. White wine.	126
80. Ganef, Yordan, Rustchuk. a White wine.	126
b Black and Pelin wine.	127
81. Gancheff, Stewitzza, Kustendil. White wine.	126
82. Gorgieff, Peter, Berkovitzza. a White wine.	126
b Red wine.	127
83. Gospodinoff, Ev., Harmanly. White wine.	126

Exhibit No.	Class'n No.
84. Karapetroff, St. P., Plevna. Red wine.	127
85. Kitsoff, Nachko, Shumla. White wine.	126
86. Kostoff, Ev., Shumla. White wine.	126
87. Kostadinoff, D., Varna. Red and black wine.	127
88. Kurskeleff, St., Vratza. White wine.	126
89. Macheff, Pavlitoff, Haskeso. a Black and red wine.	127
b Brandy.	126
90. Nedelkoff, Anton, Varna. a White wine.	126
b Black wine.	127
91. Nedelkoff, Petko, Sivliyovo. Red wine.	127
92. Panteleff, T., Sistovo. Red wine.	127
93. Parvanoff, Gotzo, Lome. White wine.	126
94. Peeff, Petko N., Plevna. Red wine.	127
95. Petkoff, Ev., Sistovo. Red wine.	127
96. Shwartz, Binder, T. Chirpan. Wines.	127
97. Staneff, At., Philippopolis. a Red wine.	127
b Brandy.	126
98. State Model Farm, Sadovo. a White wines.	126
b Red wines.	127
99. Tiefnoff, Chr., Varna. Black wine.	127
100. Trifonoff, G. & Sons, Sofia. Pink wine.	126
101. Vachkoff, Marcok, Sivliyovo. Red wine.	127
102. Vatzoff, G. Ev., Plevna. Red wine.	126

## GROUP 21.

103. Sherkerjy, Yanco, A., Berkovitzza. Raspberry wine.	126
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## DEPARTMENT G.

## GROUP 83.

104. Vajaroff, Ev. P., Philippopolis. Harness, halter, etc.	52
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## DEPARTMENT H.

## GROUP 87.

105. Christoff, Christo, Kazanlik. Perfumery.	52
106. Holstein, Herm A., Kazanlik. Perfumery.	52
107. Keuibachieff, S. N., Karlovo. Perfumery.	52
108. Kouzaroff, A. J., Karlovo. Perfumery.	52

## Collective Exhibit.

Exhibit No.	Class'n No.
Pappazoglou, Betu & Co., Kazanlik. Perfumery.	549
Pappazoglou, D., Kazanlik. Perfumery.	549
Saroff, Chr., Sofia. Toilet soaps.	549
Shipkoff & Co., Kazanlik. Otto of roses.	549
Shipkoff's Otto of roses is guaranteed absolutely pure; for strength and sweetness of it has never been surpassed. Branches, Paris, London and New York.	

## GROUP 88.

Mai & Co., Philippopolis. Ink.	552
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## GROUP 89.

Mai & Co., Philippopolis. Mucilage.	564
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## GROUP 90.

Brounkha, Ivan, Sofia. Sofas.	567
Feye, Leon, Sofia. Table.	566
Kalpazanoff, Ev. K., Gabrova. Carpets, portieres, etc.	568

## GROUP 91.

Technick Co., Rustchuk. Vase, bowls, cups, etc., earthenware.	576
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## GROUP 98.

Kolokitoff, Geo. V., Widdin. Silver jewelry.	612
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## GROUP 100.

Kalpazanoff, Ev. K., Gabrovo.	
a Silk dress goods.	627
b Table covers.	629
State Model Farm, Sadova. Raw silk.	625
Pandoursky, Tz. D., Trevna. Silk ties, chains, etc.	632
Panteleyeva, Philippopolis.	
a Dress goods and table covers.	629
b Silk mittens and knittings.	630

## GROUP 101.

Vajaroff, Ev. P., Philippopolis. Mat.	635
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## GROUP 102.

Panteleyeva, Philippopolis. Cotton ties.	638
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## GROUP 103.

Alexander Factory, Gabrovo. Woolen ties.	640
Chervenokoff & Co., Gabrovo. Woollen trimmings.	647
Ferdinand Factory, Gabrovo. Woolen ties.	640

Exhibit No.	Class'n No.
Georgieff, Ev. Carlowo. Cheviots.	644
Geshoff, Christo M., Slivna. Serge.	643
Kalpazanoff, Ev. K., Gabrovo. Broadcloth, cashmere, etc.	641
Koleva, Maria, Tzaribrod. Carpets.	649
Boyajioff & Co., Slivna. Coarse cloth (Abba).	648
Caraivanoff, St., Slivna.	
a Broadcloth.	641
b Cheviot.	644
Stochoff, H. P. & Co., Gabrovo. Woolen trimmings.	647
Zadgorsky, Ev. P., Slivna. Cheviots.	644

## GROUP 104.

Dospotoff, T., Sofia. Costume.	653
Evanoff, Midco, Sevlizevo. Clothing.	652
Evanoff, Taa, Sevlizevo. Clothing.	652
Hieff, H., Bros., Yambol. Boots.	656
Kantarjieff, G. P., Sevlizevo. Shoes.	656
Malkoff, T. K., Sofia. Military costumes.	658
Maneff, K., Orehovo. Slippers.	656
Mouleff, N. D., Philippopolis. Slippers.	656
Natcheff, Stephan, Sevlizevo. Clothing.	652
Papazoff, M. V., Shumla. Boots and shoes.	656
Sildaroff, P. G., Sofia. Boots and shoes.	656
Staneff, U., Jumayah. Slippers.	656
Tomanoff, M. C., Drenovo. Slippers.	656
Tzanoff, Y. P., Gabrovo. Sandals.	656

## GROUP 105.

Koleff, M., Breznick. Fur coats.	662
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## GROUP 106.

Aivazian, Stephan, Sofia. Bulgarian embroidery.	665
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## GROUP 111.

Caraivanoff, D., Sevlizevo.	
a Dressed skins.	696
b Leather.	697
Pandoursky, Tz. D., Trevna. Embroidered patent leather.	699
Tzanoff, Y. P., Gabrovo. Kid skin.	697

## Collective Exhibit.

## DEPARTMENT L.

Exhibit No.	GROUP 150.	Class'n No.
156.	Danoff, G. Christo, Philippopolis. Topographical map of Bulgaria.	864

## GROUP 151.

157.	Danoff, D. Kavra, Philippopolis. Photographs.	871
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Collective Exhibit made by the Ethnographic Museum of Sofia of Products from Various Provinces.

## DEPARTMENT A.

## GROUP 1.

1.	Ethnographic Museum, Sofia, Haskovo. Wheat.	1
2.	Ethnographic Museum, Sofia, Hajias. Oats.	3
3.	Ethnographic Museum, Sofia, Harmanly. Wheat.	1
4.	Ethnographic Museum, Sofia, Philippopolis.	
	a Wheat.	1
	b Barley.	4
	c Rice.	6
5.	Ethnographic Museum, Sofia, Varna.	
	a Wheat.	1
	b Corn.	2
	c Oats.	3
6.	Ethnographic Museum, Sofia, Stara Zagora. Wheat.	1
7.	Ethnographic Museum, Sofia, Hajias. Wheat.	1
8.	Ethnographic Museum, Sofia, Razgrad. Barley.	4
9.	Ethnographic Museum, Sofia, Chirpan. Wheat.	1
10.	Ethnographic Museum, Sofia, Kounovsh. Rye.	5
11.	Ethnographic Museum, Sofia, Haskovo.	
	a Wheat.	1
	b Corn.	2
	c Oats.	3
	d Barley.	4
12.	Ethnographic Museum, Sofia, T. Bazarjik.	
	a Corn.	2
	b Rice.	6
13.	Ethnographic Museum, Sofia, Roupchous. Oats.	3
14.	Ethnographic Museum, Sofia, Haskovo. Vetches.	9
15.	Ethnographic Museum, Sofia, Shumla. Vetches.	9

## Exhibit No.

## GROUP 4.

Class'n No.

16.	Ethnographic Museum, Sofia, Kounovsh. Lentils.	28
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## GROUP 5.

17.	Ethnographic Museum, Sofia, Harmanly. Peas.	32
18.	Ethnographic Museum, Sofia, Haskovo. Peas.	32
19.	Ethnographic Museum, Sofia, Philippopolis. Beans.	32
20.	Ethnographic Museum, Sofia, Razgrad. Peas.	32

## GROUP 8.

21.	Ethnographic Museum, Sofia, Hajias. Spices.	47
22.	Ethnographic Museum, Sofia, Philippopolis. Leaf tobacco.	48

## GROUP 9.

23.	Ethnographic Museum, Sofia, Perushtetza. Cocoons.	61
24.	Ethnographic Museum, Sofia, Vratsa. Cocoons.	61

## GROUP 18.

25.	Ethnographic Museum, Sofia, Tironovo. Decorated candles.	97
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## DEPARTMENT B.

## GROUP 21.

26.	Ethnographic Museum, Sofia, Drenitza. Dried cherries.	139
27.	Ethnographic Museum, Sofia, Kuntendil. Dried plums and prunes.	139

## GROUP 24.

28.	Ethnographic Museum, Sofia, Simnigora. Colza seed.	184
29.	Ethnographic Museum, Sofia, Vratsa. Colza seeds.	184
30.	Ethnographic Museum, Sofia, T. Bazarjik. Colza seed.	184
31.	Ethnographic Museum, Sofia, Harmanly. Millet seed.	184
32.	Ethnographic Museum, Sofia, Haskovo. Millet seed, anise seed and linseed.	184
33.	Ethnographic Museum, Sofia, Kuntendil. Hemp seed.	179
34.	Ethnographic Museum, Sofia, T. Bazarjik. Bird seed.	184
35.	Ethnographic Museum, Sofia, Drenitza. Hemp seed.	78
36.	Ethnographic Museum, Sofia, Kounovsh. Anise and mustard seeds.	184

## Collective Exhibit.

## DEPARTMENT G.

Exhibit No.	GROUP 83.	Class'n No.
	Ethnographic Museum, Sofia, Harness and saddlery.	523

## DEPARTMENT H.

## GROUP 90.

	Ethnographic Museum, Sofia, Tzarigrad. Curtains.	568
	Ethnographic Museum, Sofia, Curtains.	568
	Ethnographic Museum, Sofia, Shumla. Silk curtains.	568

## GROUP 91.

	Ethnographic Museum, Sofia, Eskima. Water jugs.	575
	Ethnographic Museum, Sofia, Philopolis. Water jug.	576

## GROUP 106.

	Ethnographic Museum, Sofia, Shumla.	
a	Table cover.	629
b	Silk veiling.	630
	Ethnographic Museum, Sofia, Vratza.	
a	Raw silk.	625
b	Silk dress goods.	627
c	Bedspreads and table cover.	629
d	Silk crapes and veiling.	630
	Ethnographic Museum, Sofia, Sevovo. Silk bedspread.	629
	Ethnographic Museum, Sofia, Tirnov. Embroidered cushion.	629
	Ethnographic Museum, Sofia, Roustuk. Silk veiling.	640
	Ethnographic Museum, Sofia, Sofia.	
a	Table covers.	629
b	Tidies, handkerchiefs, etc.	630
	Ethnographic Museum, Sofia, Philopolis. Bedspread, table covers, etc.	629
	Ethnographic Museum, Sofia, Philopolis. Silk veilings, embroidered ties, scarfs, etc.	630
	Ethnographic Museum, Sofia, Gabrovo. Divan covers and cushions.	629
	Ethnographic Museum, Sofia, Tzarigrad. Table and divan covers.	629
	Ethnographic Museum, Sofia, Silistra. Shion.	629
	Ethnographic Museum, Sofia, Widdin. Embroidered cushion.	629
	Ethnographic Museum, Sofia, T. Bazark. Embroidered tidies and towels.	630
	Ethnographic Museum, Sofia, Lovech. Embroidered cushion.	629
	Ethnographic Museum, Sofia, Stara Zagora. Embroidered cushion.	629

H-6

Exhibit No.	GROUP 101.	Class'n No.
58.	Ethnographic Museum, Sofia, Carlovo. Rug.	635

## GROUP 102.

59.	Ethnographic Museum, Sofia, Sofia. Raw cotton wool.	638
60.	Ethnographic Museum, Sofia, Shumla. Cotton veiling.	638
61.	Ethnographic Museum, Sofia, Vratza. Counterpane.	638
62.	Ethnographic Museum, Sofia, Slivna. Cotton table cover.	638
63.	Ethnographic Museum, Sofia, Gabrovo. Counterpanes and cotton yarn.	638

## GROUP 103.

64.	Ethnographic Museum, Sofia, Elena. Rug.	642
65.	Ethnographic Museum, Sofia, Berkovitz. Rugs.	642
66.	Ethnographic Museum, Sofia, Ak-Kadenlar. Rug.	642
67.	Ethnographic Museum, Sofia, Kurd-boonar. Rugs.	642
68.	Ethnographic Museum, Sofia, Tzarigrad. Rugs.	642
69.	Ethnographic Museum, Sofia, Varna. Goat's hair carpet.	651
70.	Ethnographic Museum, Sofia, Gabrovo. Woolen yarn.	640
71.	Ethnographic Museum, Sofia, Philopolis. Rugs.	642
72.	Ethnographic Museum, Sofia, Sofia.	
a	Rug.	642
b	Carpets.	649
73.	Ethnographic Museum, Sofia, Roustchuk. Rug.	642
74.	Ethnographic Museum, Sofia, Tirnovo. Woolen shawl.	642
75.	Ethnographic Museum, Sofia, Slivna. Rugs.	642
76.	Ethnographic Museum, Sofia, Vratza. Woolen blankets.	642
77.	Ethnographic Museum, Sofia, Shumla.	
a	Woolen apron.	640
b	Horse blanket.	642
c	Goat's hair carpet, sack, etc.	651
78.	Ethnographic Museum, Sofia, Lovech.	
a	Horse blanket.	642
b	Goat's hair carpet.	651
79.	Ethnographic Museum, Sofia, Kotel.	
a	Rugs.	642
b	Goat's hair carpet.	651

## GROUP 104.

80.	Ethnographic Museum, Sofia, Rahovo. Costumes.	653
81.	Ethnographic Museum, Sofia, Vratza. Costume.	653
82.	Ethnographic Museum, Sofia, Sofia. Costumes.	653

## Collective Exhibit.

Exhibit No.	Class'n No.
83. Ethnographic Museum, Sofia, Kavakli. Costume.	653
84. Ethnographic Museum, Sofia, Ikhtiman. Costume.	653
85. Ethnographic Museum, Sofia, Lome. Costume.	653
86. Ethnographic Museum, Sofia, Roupchous. Costume.	653
87. Ethnographic Museum, Sofia, Gabrovo. Costume.	653

## GROUP 105.

88. Ethnographic Museum, Sofia, Plevna. Fur vest.	660
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## GROUP 111.

89. Ethnographic Museum, Sofia, Sevliyev. Dressed skins.	696
90. Ethnographic Museum, Sofia, Philippopolis. Dressed skins.	696
91. Ethnographic Museum, Sofia, Gabrovo. Dressed skins.	696

## GROUP 115.

92. Ethnographic Museum, Sofia, Sofia. Wash basin.	730
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## GROUP 116.

93. Ethnographic Museum, Sofia, Stara Zagora. Copper pans, trays, cups, etc.	732
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Exhibit No.	Class'n No.
94. Ethnographic Museum, Sofia, Lovech. Copper frying pan.	732
95. Ethnographic Museum, Sofia, Sofia. Kettle.	732
96. Ethnographic Museum, Sofia, Philippopolis. Copper caldron and plate.	732

## DEPARTMENT L.

## GROUP 158.

97. Ethnographic Museum, Sofia, Roupchous. Bag-pipe.	931
98. Ethnographic Museum, Sofia, Karauluk.	931
a Shepherd's flute.	931
b Shepherd's pipe.	931
99. Ethnographic Museum, Sofia, Razgrad. Violin.	931
100. Ethnographic Museum, Sofia, Troyan.	931
a Shepherd's flute.	931
b Shepherd's pipe.	931
101. Ethnographic Museum, Sofia, Philippopolis. Violin strings.	931

## DEPARTMENT N.

102. Ethnographic Museum, Sofia, Dubuitza. Wooden cups, spoons, crosses, etc.	110
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## CANADA.

LOCATION—SEC. B AND SEC. C, BLOCK 1.

Druggists' Supplies, Paints, Paper, Upholstery, Ceramics and Mosaics, Silk.

## GROUP 87.

Exhibit No.	Class'n No.
Evans & Sons, Montreal.	Lessive
under.	549
Lyman Sons & Co., Montreal.	
a Pharmaceutical products.	547
b Perfumery.	549
Taylor, Charles, St. John, N. B.	Ex-
act soap bark.	

## GROUP 88.

Canada Paint Co., Montreal.	
a Paints, colors.	552
b Varnishes, etc.	554

## GROUP 89.

Brown Bros., Toronto.	Blank and	
mount books.		561
Dominion Type Foundry, Montreal.		
pe.		564
Knott & McLaren, Hamilton, Ont.		
stand.		564
Rolland Paper Co., Montreal.		
a Paper.		556
b Cardboards.		557
Toronto Paper Co., Cornwall, Ont.		
per.		556
Walker Mining Co., Ottawa, Ont.		
acils.		564
gold medal and decoration legion of		
Paris Exposition, 1878. See Company's		
lete plumbago exhibit, Mining Bldg.		
Watson, John C., & Co., Montreal.		
li papers.		68

## GROUP 90.

Anderson, C. E., London, Ont.	Chairs.	
		565
Cobban Mfg. Co., Toronto.		
Bamboo furniture.		567
Mantels.		570
Moldings.		571
Courtney, Edward, Peterboro, Ont.		
ure inlaid in wood.		572
Dodge & Adams, St. John, N. B.	In-	
adjustable and extension chairs.		565
lward Chair Co., Toronto.	Dental	
invalid chairs.		565
oble & Davidson, Toronto.	Inlaid	
c.		566

## GROUP 91.

Exhibit No.	Class'n No.
16. Roseburgh, R. M., Toronto.	Ventil-
ating window.	571
18. Brown, Miss Bessie, Halifax.	Painted
china.	577
18a. Crookshank, Miss, St. John, N. B.	
Painted china.	577
19. Don Valley Pressed Brick Works,	
Toronto. Pressed bricks, terra cotta.	574
19a. Edwards, Mrs. H. N., Ottawa, Ont.	
Painted china.	577
19b. Miller, Mrs., Galt, Ont.	Painted
china.	577
19c. Ontario Depository of Ladies' Work,	
Toronto. Painted china.	577
20. Pigot & Bryan, London, Ont.	Deco-
rated china and earthenware.	576
20a. Reid, Miss, St. John, N. B.	Painted
china.	577
20b. Weese, D. A., Belleville, Ont.	Patent
wall binder.	574
21. Welding, W. E., Brantford, Ont.	
Stone and Rockingham ware.	575
21a. Zeland, Miss, Hamilton, Ont.	Painted
china.	577

## GROUP 92.

22. Anthistle, W. J., London, Ont.	Stone
sepulchre.	581

## GROUP 94.

24a. Ness, J. W., Montreal.	Telephones,
insulators, etc.	591

## GROUP 96.

25. Kurrle, Wm., Montreal.	Wood carv-
ing.	598
26. Ostler, Kasper, Hamilton, Ont.	Carved
wood.	598

## GROUP 100.

28. Basso, Michael, Toronto.	Silk reeled
from cocoon.	625
29. Belding, Paul, & Co., Montreal.	
a Silk thread.	626
b Ribbons.	631
30. Corticelli Silk Co., St. Johns, P. Q.	
Spool silks.	636

## Yarns, Woolen Goods, Clothing, Laces.

## GROUP 102.

Exhibit No.	Class'n No.
31. Canadian Colored Cotton Mills Co., Montreal. Cotton fabrics.	638
32. Consumers' Cordage Co., Montreal. Twine, flour bags.	688
Largest manufacturers of cordage and binder twine in Canada. Head office, Montreal, Que. Factories at Montreal, Que.; Quebec, Que.; Lachute, Que.; Halifax, N.S.; St. John, N.B.; Toronto, Ont.; Port Hope, Ont.; Brantford, Ont.; Winnipeg, Man., and Vancouver, B. C.	
33. Dominion Cotton Mills Co., Montreal. Cotton fabrics.	638
34. Montreal Cotton Co., Montreal. Textile fabrics.	638

## GROUP 103.

35. Auburn Woolen Co., Peterboro, Ont. Tweeds, etc.	644
36. Cascade Narrow Fabric Co., Coaticook, Que. Mohair and llama braids.	651
37. Globe Woolen Mills Co., Montreal. Meltons, tweeds, etc.	644
38. Newlands & Co., Galt, Ont. Imitation furs.	651
39. Oxford Mfg. Co., Oxford, N. S. Tweeds.	644
41. Toronto Carpet Co., Toronto. Ingrain carpet and mats.	649
42. Trent Valley Woolen Mfg. Co., Cambridgeford, Ont. Woolen goods.	641

## GROUP 104.

44. Coaticook Knitting Co., Coaticook, Que. Underwear.	657
45. Desorineau, Z. Z., & Co., Montreal. Gloves.	657
46. Norfolk Knitting Co., Port Dover, Ont. Underwear.	657
46a. Ontario Straw Goods Manufacturing Co., Toronto. Straw and felt hats.	654
47. Peninsula Knitting Mills, Thorold, Ont. Underwear.	657
48. Penman Mfg. Co., Paris, Ont. Underwear, hosiery, etc.	657
50. Slater, Geo. T., & Sons, Montreal. Boots, shoes and slippers.	656
51. Sandford, W. E., & Co., Hamilton, Ont. Ready-made clothing.	652
We are the largest manufacturers in Canada. Retail stores, Oak Hall, Toronto, Hamilton, London, St. Catharines and Windsor. Clothing of all kinds made of English and Canadian cloth at one-half American prices.	

## GROUP 106.

Exhibit No.	Class'n No.
52. Allan, Miss, Regina, N. W. Territories. Tray cloth.	660
52a. Allan, Miss M., Regina, N. W. Territories. Embroidery on linen.	669
52b. Appleby, Miss, Oakville, Ont. Doilies.	669
52c. Allan, Mrs. W. A., Ottawa, Ont. a Point lace doilies and scarf.	664
b Crewel work scarf.	669
53. Bagwell, Mrs. K., Hamilton, Ont. Five pieces art needlework.	669
53a. Baker, Miss, Oakville, Ont. Crochet work.	665
53b. Barrett, Miss R., Ottawa, Ont. Embroidered bed spread.	669
54. Barrett, Mrs. D. A., Ottawa, Ont. Embroidered screen.	669
54a. Bate, Miss Ethel, Ottawa, Ont. Embroidered linen tea cloth.	669
55. Bawlf, Mrs. N., Winnipeg, Man. Darning on net.	663
55a. Beament, Mrs., Ottawa, Ont. Embroidered chamois skin.	669
56. Beard, Miss Pauline St. J., St. John, N. B. Drawn work.	669
56a. Beaton, Miss M., Kingston, Ont. Crochet bed spread.	665
57. Beemer, Miss M., Aylmer, Ont. Lace handkerchiefs.	664
58. Bowen, Mrs. A., Quebec. Embroidered tea cosy.	669
58a. Burritt, Miss, Ottawa, Ont. Embroidered screen.	669
58b. Cameron, Miss, Toronto. Hand-made tapestry.	670
58c. Clemow, Mrs. F., Ottawa, Ont. Embroidered stole.	669
58d. Cox, Miss G., Ottawa, Ont. Embroidered bed spread.	669
58e. Cox, Mrs., Ottawa, Ont. Table spread, ivory embroidery.	669
58f. Currier, Mrs. T. W., Ottawa, Ont. Embroidered sofa pillow and table cloth.	669
59. Davies, Miss L. H., Toronto. Roman embroidery.	669
59a. Dean, Miss, Quebec. Photo frames, Syrian embroidery.	669
60. Deadman, Mrs. A. G., Lambeth, Ont. Kensington embroidery.	669
60a. Duncan, Miss, Regina. Table cloth, ivory embroidery.	669
61. Douglas, Miss B., St. Catharines, N. S. Tapestry.	670
62. Duff, Mrs. J. A., Myrtle. Knitting.	665
63. Edwards, Edgar W., Vancouver, B. C. Tapestry.	670

## Laces, Embroideries, Trimmings, Artificial Flowers, Etc.

bit	Class'n No.	Exhibit No.	Class'n No.
Edwards, Miss Ida, Ottawa, Ont.		78. McMorran, Mrs. R. M., Ottawa, Ont.	
Embroidered fire screen.	669	Embroidery.	669
Gilroy, Miss, Regina, N. W. Territories. Crochet work.	665	79. Montreal Society of Decorative Art, Montreal.	
Gerrard, Mrs., Lambeth, Ont. Needlework.	669	a Art embroidery and needlework.	669
Glashan, Miss, Ottawa, Ont. Embroidered bureau scarf.	669	b Tapestry.	670
Gosin, Fanny M., Richmond, Que. Embroidery.	669	79a. Moore, Mrs. I., Victoria, B. C. Slippers, Chinese embroidery.	669
Grant, E. Florence, St. John, N. B. Embroidered doilies.	669	81. Muir, Miss Laura, Grimsby, Ont. Embroidery and needlework.	669
Handyside, Mary B., Ottawa, Ont. Embroidered fans and table spread.	669	82. Munro, Belle, Ottawa, Ont. Embroidered fan.	667
Hume, Miss, Ottawa, Ont. Embroidered photo frames.	669	82a. Murphy, Miss Kate, Montreal. Tatted parasol cover.	665
Huntton, Miss E., Ottawa. Embroidered bed spread.	669	83. Nellis, Mrs. H. H., London, Ont.	
Johnstone, Mrs. C., Askin, Ont. Embroidery.	669	a Lace.	664
Jones, Miss E., Quebec, P. Q. Embroidered table center and doilies.	669	b Crochet work.	668
Kidd, Jessie E., Ottawa, Ont. Embroidered screen.	669	83a. Newton, Miss E., Quebec. Landscape in embroidery.	669
Kirby, Mrs. Halder, Ottawa, Ont. Fan.	667	84. Odell, Lillie E., Ottawa, Ont. Portiere and sofa cushion.	669
Embroidered tea cloth.	669	85. Ontario Depository of Ladies' Work, Toronto.	
Lea, Mrs. Fred, Toronto. Crochet work.	665	a Crochet work.	665
Little, Miss A., Waterford, Ont. Embroidered scarf.	669	b Embroidery.	669
Lord, Mrs. T. Elbery, Hull, Que. Embroidered screen.	669	86. O'Rielly, Mrs. E., Aylmer, P. Q. Embroidered table cover.	669
Macdonald, Mrs., Montreal, P. Q. Embroidery.	665	87. Perley, Henry M., Ottawa, Ont. Embroidered tea cloths.	669
Macdonald, Mrs. De Belle-feuille, Montreal. Lace.	664	88. Perley, Mrs. H., Ottawa, Ont. Embroidered table centers.	669
Tapestry.	670	89. Peters, Miss H., St. John, N. B. Embroidered pulpit drape.	669
Maritime Women's Christian Temperance Union, Cow Bay, N. S. Fancy work.	665	90. Powell, Miss Polly, Halifax, N. S. Embroidered coat of arms.	669
Marshall, Miss, Halifax. Embroidered tea cloth and tea cosy.	669	90a. Robertson, Mrs. T. F., Oakville, Ont. Table center.	669
Martin, Mrs. C. H., Ottawa, Ont. Thread handkerchief.	669	90b. Roche, Miss Gussie, Kingston, Ont. Knitted shoes.	665
McDonald, Mrs. F., Toronto. Needlework.	665	90c. Rowand, Miss, Quebec. Tablespread and cushions.	669
McKenzie, Mrs. Wm., Teeswater, Ont. Crochet work.	665	90d. Romeril, Mrs., Quebec. Dolls, crochet work.	665
McKichan, Mrs., Winnipeg. Crochet work.	665	91. Quayle, Thos., Montreal. Tapestry.	670
McLean, Miss, Toronto. Tablecloth, eastern embroidery.	669	92. Scott, Mrs. John, Hull, Que. Point lace.	664
McLean, Sarah M., Ottawa, Ont. Embroidered screen.	669	92a. Scott, Miss H., Ottawa, Ont. Embroidered bed spread.	669
Fan.	667	92b. Scott, Miss M., Ottawa, Ont. Embroidered bed spread.	669
		93. Seagram, Miss, Toronto. Knitting in wool.	665
		93a. Seybold, Mrs. A., Ottawa, Ont. Embroidered table spreads, ivory work.	669
		94. Skinner, Miss Constance, Prescott, Ont. Crochet work.	667

## Hair Work, Cooking Appliances, Refrigerators, Hardware, Etc.

Exhibit No.	Class'n No.
95. Smith, Mrs. Sydney, Ottawa, Ont.	
<i>a</i> Embroidered fan.	667
<i>b</i> Embroidered screen.	669
95a. St. Joseph's Convent, Toronto.	
<i>a</i> Lace handkerchief.	664
<i>b</i> Embroidered panel and cushion.	669
95b. Sulte, Miss, Three Rivers, Quebec.	
Box in jewel embroidery.	669
96. Thistle, F. Mary, Ottawa, Ont. Embroidered fan.	667
96a. Thompson, Mrs. J., Fergus, Ont. Doilies.	665
96b. Thompson, Mrs. R., Ottawa. Table spread embroidered, and mats embroidered.	669
96c. Todhunter, Mrs., Toronto. Fine knitting, stockings.	665
97. Walker, Miss, Ilderton, Ont. Crochet trimming.	665
98. Wills, Miss Tilley, Ottawa, Ont. Embroidered sofa pillow.	669
98a. Welsh, Mrs., Quebec. Oriental embroidery.	669
98b. Wilson, Mrs., Ottawa, Ont. Embroidered tea cloth, cosy and table center.	669
98c. Wurtele, Mrs. Ernest, Quebec. Embroidered initials.	669

## GROUP 107.

99. Trancle, J., Armand & Co., Toronto. Hair goods, coiffures, etc.	673
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## GROUP 108.

101. Turner, J. J., & Son, Peterboro, Ont. Tents, awnings and hammocks.	676
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## GROUP 109.

102. Atkinson Bros., Toronto. Celluloid novelties.	686
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## GROUP 110.

103. Atchinson Bros., Toronto. Fancy articles.	695
103a. Whelpley & Co., J. A., Greenwich, N. B. Toys.	693

## GROUP 111.

104. Beardmore & Co., Toronto. Sole and harness leather.	697
107. Breithaupt Leather Co., Berlin, Ont. Sole and harness leather.	697
108. Gourdeau, Felix, Quebec. Leather.	697

## GROUP 112.

110. Wilson, C., & Son, Toronto. Scales.	706
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## GROUP 114.

Exhibit No.	Class'n No.
111. Atkinson Bros., Toronto. Lamp shades.	719

## GROUP 115.

112. Boyd, R. A., Belleville, Ont. Smoothing iron and friller.	730
113. Garney, E. & Co., Co., Toronto.	
<i>a</i> Hot water heaters.	736
<i>b</i> Ranges and stoves.	738
114. Ives, H. R., Montreal. Hot water heaters.	736
117. McClary Mfg. Co., London, Ont.	
<i>a</i> Stoves and ware.	737
<i>b</i> Kitchen furnishing.	739
118. Nicholson, M., Goderich, Ont. Hot water heater.	736
119. Strachan, D. K., Goderich, Ont. Hot water heater.	736
120. Trouillard, A., Montreal. Hot water heaters.	736
121. Walker Mining Co., Ottawa, Ont. Stove polish.	735
See Company's exhibit, Mining Building.	

## GROUP 116.

123. Wilson, C., & Son, Toronto. Refrigerators.	731
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## GROUP 118.

126. Groves, Samuel, Hamilton, Ont. Horse shoes.	746
126a. Nugent, W. D., Millbrook, Ont. Horseshoes.	746
127. Toy, Wm., Intervales, N. S. Horse shoes.	746

## GROUP 119.

129. Canadian Screw Co., Hamilton, Ont. Screws, bolts and rivets.	747
131. Halifax Shovel Co., Halifax, N. S. Spades, shovels, etc.	749
132. Shurley & Dietrich, Galt, Ont. Saws.	750

## GROUP 120.

134. Malcolm, W. B., Toronto, Ont. Sanitary earthenware.	755
135. Perkins, S. C., Ottawa, Ont.	
<i>a</i> Bath.	753
<i>b</i> Sink traps.	754

## Miscellaneous.

**Exhibits Classed in Other Departments  
but Installed in This.**

**DEPARTMENT G.****GROUP 88.**

**Vehicles and Methods of Transportation  
on Common Roads.**

Exhibit  
No.

136. Starr Manufacturing Co., Halifax,  
N. S. Acme skates.

This exhibit contains one hundred pairs of  
nickel, silver and gold plated acme, skele-  
ton, hockey and racing skates. This com-  
pany are the original and sole makers of the  
genuine Acme skates, renowned all over the  
skating world, and which are considered  
the best skates in existence.

137. Whelpley & Co., J. A., Greenwich,  
N. B. Skates.

**DEPARTMENT K.****GROUP 142.**

**Paintings on Ivory, Enamel, etc.**

Exhibit  
No.

138. Auerbach, Miss, Montreal.  
Painted screen.

139. Holmes, Mrs. G. B., Ottawa, Ont.  
Painting on silk.

140. Macdonell, Miss, Montreal.  
Designs for china in water color.

141. Montreal Society of Decorative Art.  
Painted doilies.

142. Morley, Miss E. W., St. John, N. B.  
Painted screen.

143. Ridd, Miss, Windsor, N. S.  
Doilies painted on silk.

# CEYLON.

## LOCATION—C, BLOCK 8.

### Collective Exhibit.

#### Collective Exhibit.

The Ceylon Government makes a comprehensive exhibit of products of the island in the Ceylon Main Court, in the north end of the grounds, near the French government building.

### DEPARTMENT A

#### GROUP 1.

Exhibit No.	Class'n No.
1. Ceylon Commission. Paddy, unhulled rice, 42 varieties.	

#### GROUP 2.

2. Ceylon Commission. Arrowroot flour.	16
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#### GROUP 3.

3. Ceylon Commission.	
<i>a</i> Jaggery (palm sugar), black, white crystallized and syrups.	21
<i>b</i> Honey.	26

#### GROUP 8.

4. Aberdeen Estate. Tea.	45
5. Alton Estate. Tea.	45
6. Ardlaw and Wishford Estate. Tea.	45
7. Blackstone Estate. Tea.	45
8. Bloomfield Estate. Tea.	45
9. Broad Oak Estate. Tea.	45
10. Brunswick Estate. Tea.	45
11. Bunyon and Ovaka Estate. Tea.	45
12. Callander Estate. Tea.	45
13. Chascienab Estate. Tea.	45
14. Claremont Estate. Tea.	45
15. Clyde Estate. Tea.	45
16. Columbia Estate. Tea.	45
17. Dambetenne Estate. Tea and coffee.	45
18. Dambolagalla Estate. Tea.	45
19. Denmark Hill Estate. Tea.	45
20. De Soysa, J. W. C. Tea.	45
21. Dunottar Estate. Tea.	45
22. Edinburgh Estate. Tea.	45
23. Esperanza Estate. Tea.	45
24. Fairlawn Estate. Tea.	45
25. Forest Hill and Mousakanda Estate. Tea.	45

Exhibit No.	Class'n No.
26. Gangarooka Estate. Tea.	45
27. Gartmore Estate. Tea.	45
28. Gerunella Estate. Tea.	45
29. Glenalla Estate. Tea.	45
30. Glen Devon Estate. Tea.	45
31. Glen Taaffe Estate. Tea.	45
32. Gonadika Estate. Tea.	45
33. Gomanke Estate. Tea.	45
34. Goomera Estate. Tea.	45
35. Great Western Estate. Tea.	45
36. Haputale Estate. Tea.	45
37. Hatale Estate. Tea.	45
38. Henford Estate. Tea.	45
39. Hethersett Estate. Tea.	45
40. Holmwood Estate. Tea.	45
41. Kintyre Estate. Tea.	45
42. Kurundu-oya Estate. Tea.	45
43. Langapella Estate. Tea.	45
44. Laxapana Estate. Tea.	45
45. Lawrence Estate. Tea.	45
46. Leanegaha-ella Estate. Tea.	45
47. Leymastotte Estate. Tea.	45
48. Luccombe Estate. Tea.	45
49. Maha Coodagalla Estate. Tea.	45
50. Maskeliya Estate. Tea.	45
51. Monerakande Estate. Tea.	45
52. Mousakelle Estate. Tea.	45
53. Mouskanda Estate. Tea.	45
54. Newton Estate. Tea.	45
55. North Matale Estate. Tea.	45
56. Ooonagalla Estate. Tea.	45
57. Oriental Bank Estate Co. Coffee and cocoa.	45
58. Osborne Estate. Tea.	45
59. Pedro Estate. Tea.	45
60. Pooprassie Estate. Tea.	45
61. Porlswood Estate. Tea.	45
62. Rahatungoda Estate. Tea.	45
63. Rookwood Estate. Tea.	45
64. Sandringham Estate. Tea.	45
65. Scottish Tea Co. Tea.	45
66. Shrubs Hill Estate. Tea.	45
67. Sinnepitiya Estate. Tea.	45
68. St. John del Rey Estate. Tea.	45
69. Tillyrie Estate. Tea.	45
70. Udaradella Estate. Tea.	45
71. Vellai-oya Estate. Tea.	45
72. Wariagalla Estate. Tea.	45
73. Yapame Estate. Tea.	45

Collective Exhibit.

	Class'n No.
Ceylon Commission. Vanilla, cinnamon, cardamoms, cloves, mace and nutmegs.	47
Darley, Butler & Co. Cinnamon.	47

GROUP 9.

Aitken, Spence & Co. Coir and kitul rope, coir, etc. (70 exhibits).	59
Ceylon Commission. Vegetable rope, coir, etc. (70 exhibits).	59
Darley, Butler & Co. Coir yarn.	59
De Mege, Reid & Co. Coir fibre and yarn.	59
Layley & Co., C. P. Coir yarn.	59

GROUP 11.

Ceylon Commission. Milk wine.	67
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GROUP 13.

Ceylon Commission. Models of an alk distillery.	75
Deccaratine, Don A. Model of an alk distillery.	75

GROUP 14.

Ceylon Commission. Model showing cultivation of tea, rice and coconuts.	80
Model of a Kandyan grain store.	82

GROUP 16.

Ceylon Commission. Farming tools (exhibits).	84 to 86
Manabokke, T. B. Model of a sickle.	86

GROUP 17.

Ceylon Commission. Horns and tusks.	90
De Mege, H. B. Tusks.	90
De Mege, Ratemahatmaya. Tusks.	90

GROUP 18.

Ceylon Commission. Vegetable oils.	95
Ceylon Government. Coconut and mon oil.	95
Darley, Butler & Co. Coconut oil.	95
De Mege Reid & Co. Citronella oil.	95
Soysa, Charles. Coconut oil.	95
Wassen, Peter A. Coconut oil.	95

DEPARTMENT B.

GROUP 21.

Soysa, Charles. Desiccated coconut and powder.	139
Wassen, D. P. Preserves.	141
Wassen, J. A. Preserves.	141

GROUP 22.

Exhibit No.	Class'n No.
96. William Brothers. Bulbs from Henaragoda gardens.	153
97. Mackwood & Co. Seeds, croton, annatto, etc.	171

GROUP 23.

98. Heyzer, Julian. Table sauce.	177
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DEPARTMENT D.

GROUP 37.

99. Colombo Museum. Specimens of Ceylon fish.	239
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GROUP 38.

100. Ceylon Commission. Deep sea fishing tackle, nets, etc.	254
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GROUP 39.

101. Ceylon Commission. Nets and appliances for fresh water fishing.	267 to 270
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GROUP 40.

102. Ceylon Commission.	
a Box of shanks.	272
b Pearl oysters and pearls.	277
c Model of Ceylon pearl fishery, boat, etc.	279

DEPARTMENT E.

GROUP 46.

103. Aitken, Spence & Co. Plumbago.	298
104. Ceylon Commission. Plumbago.	298
105. Ceylon Government. Plumbago.	298
106. Darley, Butler & Co. Plumbago.	298
107. De Mege, Jacob. Plumbago.	298
108. Fernando, W. A. Plumbago.	298
109. Mackwood & Co. Plumbago.	298
110. Smith, W. M. & Co. Pipe clay.	304

DEPARTMENT F.

GROUP 77.

111. Ceylon Commission.	
a Jewelers' and gem polishers' tools.	481
b Silversmiths', tin makers', comb makers' and net makers' tools, medicine cutter and sandalwood grinder.	486
112. Ceylon Commission. Pestle and mortar, grinding stones and rollers.	486

DEPARTMENT G.

GROUP 83.

113. Ceylon Commission. Low-country bullock cart, up-country bullock cart, racing hackery and models of bullock carts, hackeries and other vehicles.	510
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## Collective Exhibit.

## GROUP 85.

Exhibit No.	Class'n No.
114. Ceylon Commission. Katamaran, padda boat with net, river rowing-boat, Galle fishing boat, double canoe and models of native boats of various kinds.	528
115. Karunaratne, Miss. Model of outrigger and madel boat.	528

## DEPARTMENT H.

## GROUP 87.

116. Ceylon Commission. Pomatum and various drugs and barks.	549
117. Hayley, C. P. & Co. Essential oils.	549

## GROUP 88.

118. Ceylon Commission.	
<i>a</i> National whitewash, terracotta wash, laterite wash, sulphuret of antimony and dorene-tel for mixing paints.	552
<i>b</i> Brass stylus, bundle of olas and native ink.	555
119. Heyser, Julian. Writing fluid.	552

## GROUP 90.

119a. Colombo Museum. Book rest.	572
120. De Soysa, Charles. Chairs, couches, sofas, book cases, stands, etc., in ebony, camander, camarind and other woods, with elephant's tusk ornaments, etc. (32 exhibits).	582
120a. Panabokke, T. B. Kandyan shades.	568

## GROUP 91.

120b. Ceylon Commission. Painted pottery of native manufacture.	575
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## GROUP 92.

120c. Ceylon Commission. Biers, coffin cloth, model of pyre for cremating.	584
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## GROUP 93.

121. Ceylon Commission. Brass trays, lamps, boxes, pounder, vases, bowls, rice pans, etc. (92 exhibits).	585
121a. Ceylon Government. Bronze from Anuradhapura.	585
122. Colombo Museum. Brass goblet, trays and dishes.	585
123. Perera, M. J. Brass betel tray.	585
124. Subhute, Terunnase. Brass lamp and cuspidors.	585

## GROUP 96.

125. Ceylon Commission.	
<i>a</i> Carved ebony boxes, cocdanuts, etc.	598
<i>b</i> Carved ivories, inlays, etc. (40 exhibits).	599

## Exhibit No.

126. Colombo Museum.	
<i>a</i> Carved ebony box, etc.	
<i>b</i> Carved ivory box, etc.	
127. De Silva, B. L. Ivory elephant with precious stones, and ivory elephant with gold trappings.	
128. Elyas, Don.	
<i>a</i> Ebony elephants and boxes.	
<i>b</i> Ivory elephants.	
129. Manuel, L. B. Ebony elephant althira.	
130. Mohama Mohammed. Carved box.	
130a. Perera, M. J. Kalutara baskets.	
131. Silva, D. D. Ivory casket and rings and tortoise-shell work.	

## GROUP 97.

132. Ceylon Commission. Silver bag etc.	
133. Colombo Museum.	
<i>a</i> Silver betel box and tobacco box.	
<i>b</i> Spoon rack.	
134. Guru, N., Josa. Silver box.	
135. Markar, S. L., Omer Lebbe. Silver box.	

## GROUP 98.

135a. Appu, W. D., Sebastian. Tortoise shell head-dress.	
136. Ceylon Commission. Hand-dresses, necklaces, combs, bangles, chains, chokers, chatelaines, rings and set of jewelry.	
137. Colombo Museum: Gold and silver ornaments for the person, tortoise combs, bangles, etc. (34 exhibits).	
138. Elyas, Don. Cat's eye.	
139. Guru, N., Josa. Silver chain.	
140. Ismail, A. H. Gold bracelets, of Arabic coins, antique bridal necklace and crown.	
141. Ismail, Lebbe & Sons, M. C. Necklace.	
142. Ismail, Magdon A. String of pearls.	
143. Markar, Mohama, Macan, O. Necklace of cat's eyes and diamonds.	
144. Mohama Mohammed, A. L. M. Necklace, bracelets and brooches of precious stones.	
145. Mohammed, A. L. M. Necklace of bangles of moonstone, and rubies, and necklace with sapphires.	
146. Perera, M. J. Silver and tortoise shell combs, head-dresses, etc.	
147. Silva & Co., D. D. Sapphires, stones, bracelets and brooch.	
148. Thomas, A. Silver bangles.	

Collective Exhibit.

GROUP 102.

Exhibit	Class'n No.
Ceylon Commission. Kandyian tunadu cloth.	638
Spinning & Weaving Co., Ltd. artificiala and other cloths.	638

GROUP 104.

Ceylon Commission;	
a Sinhalese jackets, gowns, etc.	653
b Fishers' hats, caps, etc.	654
c Embroidered head dress, etc.	655
d Iguana and brown shoes.	656
Colombo Museum. Colombo chelty	654

GROUP 106.

Ceylon Commission. Artificial flow-	666
Colombo Museum. Kandyian betel	665
Perera, M. J. Cloths for teapoyes.	665
Silda, Don Hendrick. Antimacassars	665
d mats for flower stand.	665

GROUP 110.

Candappa, T. B. Baskets, fancy	695
trays, etc. (88 exhibits).	695
Ceylon Commission. Painted tea-	
boxes, stands, tortoise shell work,	
ony and iplay work, elephants' feet	
unted, etc. (70 exhibits).	695
Colombo Museum. Tortoise shell	
amander ebony and ivory boxes (9 ex-	
ists).	695
Fernando, A. H. Lacquered buttons.	695
Karunaratue, Miss. Kalartara bas-	695
Karunaratue, Mrs. Mats and pillow.	695
Lebbe, Ismail, M. C. Tortoise shell	695
cy work.	695
Perera, M. J. Bracket of shells,	695
kets, hats, etc.	695
Theodoris & Co., Don. 'Elephants'	
mounted in silver and ivory.	695

GROUP 111.

Ceylon Commission. Skins, hides	
leather (18 exhibits).	

GROUP 112.

Ceylon Commission. Measures for	
and oil.	713

GROUP 113.

Ceylon Commission.	
Old Kandyian pistols.	714
Kandyian knives, swords, spear-	
heads, etc. (24 exhibits).	717

Exhibit No.	Class'n No.
169. Gunaratua, E. R. Mudaliyar's dress sword.	717
170. Jeyvers, R. W.	
a Ancient gun.	714
b Swords.	717

GROUP 119.

171. Colombo Museum. Arecaunt cutter representing Tamil lady.	749
172. Panabokke, T.B. Arecaunt cutter.	749

DEPARTMENT K.

GROUP 142.

173. Ceylon Commission. Painted plates, plaques, pottery, vases, etc. (47 exhibits).	
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GROUP 145.

174. Ceylon Commission. Carved ebony elephants, and tom tom beaters in ivory (30 exhibits).	
175. Columbo Museum. Ebony elephant.	

DEPARTMENT L.

GROUP 149.

176. American Mission School, Uduvil Jaffna. Specimens of fancy work.	843
177. Buena Vista Orphanage, Galle. Specimens of lace.	843
178. Church. Missionary Instituein, Kotte. Lace and embroidery.	843
179. Convent Boarding School, Jaffna. Jacket and needle case.	843
180. Convent of the "Holy Family," Kurunegala. Embroidery, etc.	843
181. Galle Pau Day School, Colombo. Lace.	843
182. Galle Pau School. Jackets.	843
183. Galle Schools. Embroideries.	843
184. Good Shepherd Convent, Colombo. Lace.	843
185. Kahawa Vernacular, Girls' School. Skein of coir.	843
186. Malay Girls' School, Colombo. Embroideries.	843
187. Native Government School, Point Pedro. Jacket.	843
188. Nolloire Girls' School. Jaffna fans and fancy work.	843
189. Sangamitta Girls' School. Model of hackery and fancy work, photographs of the school and of the Wesleyan girls' school.	843
190. St. Stephen's Orphanage, Colombo. Fancy work.	843
191. Trimmas's School, Mrs., Jaffna. Embroidery.	84

## Collective Exhibit.

Exhibit No.	Class'n No.
192. Udavil Girls' School, Jaffna. Fancy work.	843
193. Venbuchi Girls' School. Patel work.	843
194. Village School, near Colombo. Grass pots.	843
195. Vennappuwa Boarding School, Convent of the Holy Family. Embroidery and fancy work.	843

## GROUP 150.

196. Bastian, Don.	
a Kaviminti Barana, Kalaña Mutu Ruwana, etc.	854
b Sinhalese newspaper.	859
c Sinhalese price lists.	860
197. Ceylon Government Printer.	
a Books and literature of Ceylon, the Abhidhanappadipika, Mahawansa, Loka Kathawa, etc.	854
b School books in Sinhalese and English.	855
c Newspapers.	858
d Catalogue of Sanskrit, Pali and Sinhalese works.	860
e Government publications, blue book census, etc. (60 exhibits).	863
198. Perara, G. L., Gabriel. Map of Ceylon, with pen and ink sketches.	864
199. Surveyor-General. Large map of Ceylon.	864

## GROUP 152.

200. Ceylon Commission. Model of rattan bridge.	158
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## GROUP 153.

201. Postmaster-General, Ceylon. Model of the Jaffna and Dambulla mail coach, with bags and spears carried by letter carriers.	893
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## GROUP 154.

202. Ceylon Commission. Collection of coins (350 exhibits).	897
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## GROUP 157.

203. Ceylon Commission. Photographs, views of Ceylon.	871
204. Leechman & Co. Photographs.	871
205. Plate, A. W. A. Photographs, views of Ceylon.	871
206. Skeen & Co., W. L. H. Photographs, 126 views of Ceylon.	871

## GROUP 158.

207. Ceylon Commission. Figures used in Marionette show, and masks used in comedy (63 exhibits).	938
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Exhibit No.	Class'n No.
208. Colombo Museum. Drum, flute, and other native musical instruments.	

## DEPARTMENT M.

## GROUP 160.

209. Ceylon Commission.	
a Model of Sinhalese hut, with articles of daily use (82 exhibits).	
b Maldivian articles, consisting of articles in daily use (290 exhibits).	
210. Ceylon Government. (Presented the late Sultan Ibrahim Mooredin Iskander.) Maldivian articles, consisting of clothing, adornment, articles of daily use, etc. (170 exhibits).	

## GROUP 162.

211. Ceylon Commission. Wild animal skins, horns, teeth, etc.	
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## GROUP 163.

212. Colombo Museum. Olinda board.	
212a. Ceylon Commission. Swing, chess board, games, etc.	

## GROUP 164.

213. Appuhami, W. Don Chas. Buddha and Ivory Buddha.	
214. Ceylon Commission. Models of Buddha man and woman, with articles used by the Vedddhas, models of natives (41 exhibits).	
215. Ceylon Commission.	
a Figures of Buddha and other gods, religious subjects, devil dance masks, etc. (50 exhibits).	
b Biers, etc., and model of funeral pyre.	
216. Colombo Museum. Figures of Buddha, Dagobas, and silver of Dagoba, model of Buddha's tooth.	

## GROUP 165.

217. Ceylon Government. Bronzes from Anuradhapura.	
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## GROUP 172.

218. Ceylon Commission. Baskets, mats, bags, embroidery, lace, etc. (10 exhibits).	
219. Kumari Hamy. Baskets, bags, etc.	

## Collective Exhibit.

Exhibit No.	DEPARTMENT N.	Class'n No.
220.	<b>Ceylon Commission.</b>	
a	Timbers and cabinet woods, exhibits botanically named and described.	95 99
b	Worked native timbers in construction of Ceylon court.	100
c	Iron wood, ebony, satin wood, sandal wood and 18 other varieties of Ceylon ornamental wood, worked and carved, used in construction of Ceylon court, cases, etc.	101

Exhibit No.		Class'n No.
4	Medicinal plants, barks and leaves, varieties, botanically named and described.	108
221.	<b>Ceylon Commission. Collected by W. C. Twynam, C. M. G., government agent for the Northern Province. Collective exhibit of the products of the Palmyra and cocoa palm, comprising upward of 500 exhibits.</b>	108
222.	<b>Oriental Bank Estates Co. Cinchona.</b>	108

## CHINA.

## LOCATION-SEC. K, BLOCK 4.

Clays, Monuments, Enamels, Jewelry, Silks, Yarns, Costumes, Toys, War Material.

## GROUP 90.

Exhibit No.		Class'n No.
1.	<b>Kee Chun Quan, Canton.</b>	
a	Fancy chairs.	565
b	Fancy tables.	566
c	Artistic furniture, cabinets and screens.	572
d	Sewing and embroidery.	573

## GROUP 91.

	<b>Kee Lee Kwong, Kinkiang.</b>	
a	Stoneware and pottery.	575
b	China, semi-porcelain, etc.	576
c	Porcelain.	577
	<b>Kee Chun Quan, Canton.</b>	
a	Stone, china, and semi-porcelain ware.	576
b	Porcelain, white and colored.	577

## GROUP 96.

	<b>Kee Chun Quan, Canton.</b>	
a	Wood carving.	598
b	Ivory carving.	599
c	Metal carving.	601

## GROUP 100.

	<b>Kee Chun Quan, Canton.</b>	
a	Raw silk.	625
b	Thrown or twisted silk, skeins, sewing silk.	625
c	Figured silk.	629
d	Crapes, gauzes, brocades, etc.	630

## GROUP 101.

Exhibit No.		Class'n No.
6.	<b>Shewan &amp; Co., Canton. Chinese matting.</b>	693

## GROUP 104.

7.	<b>Kee Chun Quan, Canton. Shoes.</b>	
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## GROUP 105.

8.	<b>Kee Chun Quan, Canton. Furs and skins.</b>	660
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## GROUP 106.

9.	<b>Kee Chun Quan, Canton.</b>	
a	Embroideries, needlework and fans.	667
b	Tapestries.	670

## GROUP 108.

10.	<b>Kee Chun Quan, Canton.</b>	
a	Canes.	681
b	Umbrellas and parasols.	682

## GROUP 110.

11.	<b>Kee Chun Quan, Canton.</b>	
a	Fancy boxes.	694
b	Fancy articles.	695

## GROUP 114.

12.	<b>Kee Chun Quan, Canton. Lanterns, lamps, etc.</b>	720
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## DENMARK.

LOCATION—SEC. B, BLOCK 1.

Stationery, Upholstery, Ceramics and Mosaics, Art Metal Work, Glass, Carvings.

## GROUP 89.

Exhibit No.	Class'n No.
3. Levison, L., Jr., Copenhagen.	
a Christmas and New Year's cards.	557
b Writing paper.	560
c Decorated paper.	562

## GROUP 90.

5. Andersen, Kr., & Co., Copenhagen.	
Joiners' work for building purposes.	571
6. Hansen, C. B., Copenhagen.	
Furniture.	567
7. Henning, Hansen, Odense, Funen.	
Oak cabinet.	567
8. Kjar, Miss Ingrid, Copenhagen.	
Pokerwork table.	572
9. Lassoe, Miss Augusta, Copenhagen.	
Pictures burned in wood.	572
10. Larsen & Andersen, Copenhagen.	
Carved furniture.	567
11. Meyer, E., Copenhagen.	
Lacquer work.	572
12. Plum, Chr. & Vald., Copenhagen.	
Dining-room furniture.	567
13. Prior, Miss Maud, Copenhagen.	
Pokerwork chair.	572
14. Topp, I. Wilk, Copenhagen.	
Book case.	567
15. Topp, N. Chr., Copenhagen.	
Book case.	567

## GROUP 91.

16. Budde-Lund, C., Copenhagen.	
Terra cotta work.	574
17. Elkjær, P. M., Copenhagen.	
Imitated stone mosaic.	580
18. Godthaab Terra Cotta Manufactory, Copenhagen.	
Terra cotta and glazed ware.	574
20. Ipsens, P., Enke, Copenhagen.	
Terra cotta work.	574
21. Jorgensen, L. P., Copenhagen.	
Terra cotta.	574
22. Jorgensen, Miss L., Ronnede, Sealand.	
Painted tableware.	576
23. Kahler, Herman A., Nestved, Sealand.	
Ceramic work.	576
23a. Konstantin-Hansen, Miss E., Copenhagen.	
Ceramic work.	576

Exhibit No.	Class'n No.
24. Nielsen, E., Copenhagen.	
Bisque and granite ware.	578
25. Royal Porcelain Manufacturing Company, Copenhagen.	
Porcelain.	577
Pitkin & Brooks, representatives, China Merchants, State and Lake Sts., Chicago.	
26. Skovgaard, Miss S. C., Copenhagen.	
Ceramic work.	578

## GROUP 92.

27. Fishback, P. M., Aarhus, Jutland.	
Memorial plates for a grave.	582

## GROUP 93.

28. Birk, Miss Dagmar, Copenhagen.	
Engraved copper; brass work.	585
29. Christensen, Z., Copenhagen.	
Engraved articles.	585
30. Dalhoff, H., & Son, Copenhagen.	
Art metal work.	585
31. Doberck, Fr., & Son, Copenhagen.	
Art metal work.	585
32. Jensen, Rasmus, Horsens, Jutland.	
Enamel work.	585
33. Rasmussen, Lauritz, Copenhagen.	
Bronzes.	585

## GROUP 94.

34. Bendz, Miss M., Copenhagen.	
Painted glass plates.	585
35. Jacobsen, E. P., Copenhagen.	
Ceiling.	585

## GROUP 95.

36. Duvier, Aug., Copenhagen.	
Stained glass windows.	585
37. Gotke, E. J., Copenhagen.	
Stained glass and glass paintings.	585

## GROUP 96.

38. Berthelsen, Miss Inger M., Copenhagen.	
Wood carvings.	585
39. Crone, Miss Ellen, Copenhagen.	
Carved wood.	585
40. Dallerup, Baroness U., Copenhagen.	
Wood carvings.	585
41. Ernst, Søren, Copenhagen.	
Screen with painting.	585

## Plate, Jewellery, Fabrics, Furs, Lace, Embroideries, Etc.

Exhibit No.	Class'n No.
1. Iagemann-Olsen, A., Copenhagen. Wood carving.	598
3. Müller, G. Y. J., Copenhagen. Wood carving.	598
4. Thomsen, Miss Elizabeth, Copenhagen. Wood carvings.	598
5. Withusen, Miss Austa, Copenhagen. Wood carvings.	598
6. Wood Workers' Guild of Randers, Randers, Jutland. Fancy articles.	598

## GROUP 97.

7. Bloch, Fr., Copenhagen. Electro plated art metal work.	611
8. Christesen, V., Copenhagen. Silverware.	604
9. Hertz, Peter, Copenhagen. Gold and silverware.	604
10. Jensen, Rasmus, Horsens, Jutland. Gold ornaments.	604
11. Michelsen, A., Copenhagen. Gold and silverware.	604
12. Nordemann, M., Copenhagen. Silverware.	604

## GROUP 98.

13. Christesen, V., Copenhagen. Jewellery.	612
14. Hertz, Bernhard, Copenhagen. Gold ornaments.	612
15. Hertz, Peter, Copenhagen. Jewellery.	612
16. Michelsen, A., Copenhagen. Jewellery.	612

## GROUP 99.

17. Larsen, Bertram, Copenhagen. Tower clock.	621
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## GROUP 101.

18. Brynjolfsen, Miss N., Copenhagen. Painted mat.	630
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## GROUP 104.

19. Hansen, Waldemar, Copenhagen. Gloves.	657
20. Henriksen, H. P., Copenhagen. Glove sewing machine.	659

## GROUP 105.

21. Brod, Mrs. W., Copenhagen. Feather suit.	660
22. Nathan, Marcus M., Copenhagen. Afterdown.	660
23. Trolle, C. A., Copenhagen. a Furs and skins.	660
b Fur clothing.	662

## GROUP 106.

Exhibit No.	Class'n No.
24. Bojesen, Miss Jutta, Copenhagen. Lace.	664
25. Brandt, Mrs. Marie, Copenhagen. Art embroidery.	669
26. Brøberg, Miss Bodil, Copenhagen. Lace insertions.	664
27. Czarnewski, Miss M. Sasse, Copenhagen. Art embroidery.	669
28. Dallerup, Baroness U., Copenhagen. Women's articles, etc.	670
29. Dyrhauge, Mrs. Th., Copenhagen. Curtain trimmings.	668
30. Fenger, Miss A. M. F., Copenhagen. Art embroidery.	669
31. Fischer, Miss Emma, Copenhagen. Woven articles.	670
32. Harder, Miss Edle, Copenhagen. Art embroidery.	669
33. Hansen, Mrs. Ida, Copenhagen. Art embroidery.	669
34. Jansen, Miss Marie, Copenhagen. Artificial flowers.	668
35. Jensen, Mrs. J., Copenhagen. Lace bed-cover.	664
36. Koefoed, Mrs. Regina, Copenhagen. a Embroidery.	669
b Tapestries.	670
37. Larsen, Miss Agnes, Copenhagen. Art embroidery.	669
38. Larsen, Miss Fanny, Copenhagen. Lace.	664
39. Linde, Miss Elizabeth, Faabø, Sealand. Art embroidery.	669
40. Petersen, Mrs. Julie, Copenhagen. Art embroidery.	669
41. Ring, Miss Nanna, Copenhagen. Art embroidery.	669
42. Silberloh, Mrs. L., Nestved, Sealand. Art embroidery.	669
43. Stubbørg, Miss J., Copenhagen. Art embroidery.	669
44. Stephansen, Miss M., Vejle, Jutland. a Lace handkerchief.	664
b Art embroidery.	669
45. Thomsen, Miss Elizabeth, Copenhagen. Art embroidery.	669
46. Thompson, Mrs. Elizabeth, Copenhagen. Woven articles.	670
47. Thun, Miss Anna V., Copenhagen. Silk lace.	664
48. Vallentin, Mrs. Augusta, Copenhagen. Art embroidery.	669
49. Warnich, Leifer, Horsens, Jutland. Gobelin paintings.	670
50. Wesenberg, Mrs. Olivia, Copenhagen. a Lace for table decoration.	669
b Embroidery.	670

## Trunks, Toys, Leather, Weapons, Wire Goods, Miscellaneous.

## GROUP 108.

Exhibit No.	Class No.
94. Hoffgaard, A. E., Aarhus, Jutland.	676
Hammocks.	

## GROUP 110.

95. Dalleray, Barons U., Copenhagen.	
Fanc. articles, antiquities and fine arts.	695

## GROUP 111.

98. Jacobsen, Miss Julie, Copenhagen.	
Leather fancy articles.	705
100. Schroder, Bern., Nielsen & Hansen, Copenhagen.	
Figured leather, gobelins, etc.	705

## GROUP 113.

104. Termansen, Chr., Copenhagen.	
Magazine rifle.	714

## GROUP 116.

105. Pedersen, N., Brandesled, Seeland.	
Brass and tin work.	733

## GROUP 117.

106. Meyen, E., Copenhagen.	
Fire screens.	738
107. Warnich, Leifer, Horsens, Jutland.	
Fire screens.	738

## GROUP 121.

108. Warnich, Leifer, Horsens, Jutland.	
Altar and appurtenances.	

Exhibits Classified in Other Departments but Installed in This.

## DEPARTMENT E.

## GROUP 47.

109. Faxe Lime Quarry, Faxe, Seeland.	
Limestone, chalk and flint.	309
110. Steyer's Cliff, Copenhagen.	
chalk and flint.	309

## DEPARTMENT L.

## GROUP 149.

111. Lange, Joh., Copenhagen.	
Parts of "Flora Danica."	882
112. Orlandi's Succrs., Copenhagen.	
Plaster casts of Thorwaldsen's works.	846
113. Society for Encouraging Manual Labor in Homes and Schools, Copenhagen.	
Model, drawings, and utensils for a wood carving class.	847
114. Telsen, Miss Maja, Copenhagen.	
Drawing system for feeble minded children.	849

## GROUP 150.

Exhibit No.	Class No.
115. Aamodt, Axel E., Copenhagen.	Books. 854
116. Bagge, Fr. Copenhagen.	Illustrated books. 854
117. Bang, August, Copenhagen.	Books. 854
118. Bernsteen, Simon, Copenhagen.	
a Books.	854
b Trade-printing.	886
119. Boghandel Gyldendalske, Copenhagen.	Books. 854
120. Bojesen, Ernst, Copenhagen.	Books. 854
121. Bording, F. E., Copenhagen.	Trade-printing. 886
122. Central Printing Office, Copenhagen.	Books and illustrations. 854
123. Clement's, D. L., Succrs., Copenhagen.	Books. 854
124. Cordts, Carl, Copenhagen.	Zoological and anatomical designs; lithographs. 854
125. Flyge, J. L., Copenhagen.	Bound books. 854
126. Gade, G. E. C. Copenhagen.	Books. 854
127. Government of Denmark, Copenhagen.	Books. 854
128. Grabe, C. E., Copenhagen.	Books. 854
129. Hagerups, H., Copenhagen.	Books. 854
130. Hansen, H. J., Copenhagen.	"Zentral-Danica." 854
131. Industriforeningen Society, Copenhagen.	Books. 854
132. Knudtson, Fred G., Copenhagen.	
a Books.	854
b Trade printing.	886
133. Lehmann & Stage, Copenhagen.	Books. 854
134. Nielsen & Lydiche, Copenhagen.	Books. 854
135. Odense, Chr. Mjlo, Copenhagen.	Books. 854
136. Petersen, P., Copenhagen.	
a Books.	854
b Trade-printing.	886
137. Petersen, Thorvald, Copenhagen.	Bound books. 854
138. Philipsen, P. G., Copenhagen.	Books. 854
139. Reitzel, C. A., Copenhagen.	Books. 854
140. Rom, N. C., Copenhagen.	
a Books.	854
b Designs for home and school work.	885
c Maps.	884

## Miscellaneous.

Class'n No.	
585	Royal Danish Academy of Sciences, Copenhagen. Books.
585	Royal Danish Geographical Society, Copenhagen. Books.
588	Royal Society of Northern Antiquities, Copenhagen. Books.
584	Riis, Th., Copenhagen. School
584	Society for Promoting the Publication of Books, Copenhagen. Books and publications, papers from members and binding special designs by Danish artists.
584	Wagemeier, A., Copenhagen. Apparatus for ascertaining geographical positions.
584	Wahle, H. H., Copenhagen. Books on photo-typography.
584	Wagelsen, Martins, Copenhagen. Books.
580	Wagelsen, L. F. A., Copenhagen. Trade-printing.
584	Wagelsen, L. F. A., Copenhagen. Work on northern archaeology.
584	Winkel & Magnussen, Copenhagen.

## GROUP 151.

871	Wagelsen, C., Fredericia, Jutland. Photographs.
871	Wagelsen, Jucker, Copenhagen. Photographs.
872	Wagelsen, Cornelius, Copenhagen. Photographs.
871	Wagelsen, Chr., Copenhagen. Photographs.
871	Wagelsen's, Budtz, Succrs., Copenhagen. Graphic apparatus, photographs.
867	Wagelsen, A., Copenhagen. Compasses.

Exhibit No.	Class'n No.	
157.	871	Schou, Albert, Copenhagen. Photographs of Thorvaldsen's works.
158.	871	Steen, Miss Mary, Copenhagen. Photographs of Royal Danish castles.
159.	865	Stolten & Simonson, Copenhagen. Photographs exhibited on 'aristo' paper.
160.	871	Tyde, J. W., Copenhagen. Photographs.
161.	865	Vermehren, Johannes, Copenhagen. Calculating machine.

## GROUP 154.

898	Wagelsen, P., Copenhagen. Wafer stamps for office use.
898	Mattat, C. P., Copenhagen. Stamps for office use.
898	Winther, Harald J., Fredensborg, Sealand. Writing desk and chair.

## GROUP 155.

907	Royal Geographical Society, Copenhagen. The Society's periodical for four years.
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## GROUP 157.

919	Löffler, J. B., Copenhagen. Illustrated works on Danish church history.
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## GROUP 158.

930	Felumb, J. Emil, Copenhagen. Pianos.
930	Jensen, Tang, Copenhagen. Piano actions.

## FRANCE.

LOCATION—SEC. H AND SECS. M AND L, BLOCKS 1-2-3-4.

## Chemical and Pharmaceutical Products, Druggists' Supplies.

## GROUP 87.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Adrian, Louis A., et Cie, Societe francaise de produits, pharmaceutiques, Paris. Pharmaceutical productions.	547	20. Lautier fils, Grasse (Alpes-Maritimes). Raw materials for perfumery.	547
2. Asselin, Eugene, Saint-Denis (Seine).	543	21. Lamaille, Georges et Cie, Paris. Triple extracts and essences.	547
a Fat acids.	543	22. Mammelsdorff, Theodore, Paris. Dentifrice water, tooth powder, tooth water and vinegar.	547
b Salts of baryte and manganese.	544	23. Michaud fils et freres, Aubervilliers (Seine). Soaps, glycerine.	547
c Copper of cement; bioxyde of copper.	545	24. Mottet, P., et Cie, Grasse (Alpes-Maritimes). Raw materials for perfumery.	547
3. Aulagne, Emile, Saint-Etienne (Loire). Aulagne flax, instantaneous cataplasms.	547	25. Noir, Louis, Ancienne Maison Lepold, Paris. Perfumery.	547
4. Baron, Emile, fils, Marseilles (Bouches-du-Rhone). Soaps.	549	26. Parfumerie Hygienique Raspail, Paris. Perfumery, essences, toilet waters, soaps.	547
5. Bouchet, Charles, et Cie, Pharmacie centrale de France, Paris.	547	27. Parfumerie Oriza Legrand, Rognes (Antoinin), successeur, Paris. Perfumery, soaps and solidified perfumes.	547
a Pharmaceutical preparations.	547	28. Richard Pache et Cie, Chambéry (Savoie). Sterilization for liquids.	547
b Chemical supplies.	548	29. Rigaud et Chapotaut, Paris.	547
6. Bourjois, A., et Cie, Paris. Perfumery, soaps, cosmetics.	549	a Pharmaceutical productions.	547
7. Boyer, Pierre, et Cie, Gignac (Herault). Lavender, thyme, aspic essences.	549	b Chemical supplies.	548
8. Chassaing et Cie, Paris. Pharmaceutical preparations.	547	30. Rigaud et Cie, Paris. Perfumery.	547
9. Chiris, Antoine, Grasse (Alpes-Maritimes). Raw material for perfumery; essential oils.	549	31. Rigolot, P., et Cie (L. Darasse et Cie successeurs), Paris.	547
10. Cointreau, Edouard, fils, Angers (Maine-et-Loire). English peppermint.	549	a Veterinary powder.	547
11. Cornu, Charles, et Warin, Jules, Paris. Globules, capsules, drops, etc.	547	b Mustard papers.	547
12. Cottan et Cie, Paris. Perfumery.	549	32. Roure-Bertrand fils, Grasse (Alpes-Maritimes). Raw materials for perfumery; pomatums, oils, extracts.	547
13. Darrasse freres et Landrin, Paris.	547	33. Roux fils Charles, Marseille (Bouches-du-Rhone). Soaps and materials.	547
a Pharmaceutical productions.	547	34. Simon fils, Joseph, Paris. Rice powder, cream soap.	547
b Chemical supplies.	548	35. Societe anonyme des parfums de Cannes, Paris. Raw materials for perfumery.	547
14. Delpech, Paris.	547	36. Societe du traitement des quinquinas, Paris. Sulphate of quinine and salts of quinine, cinchonamine, etc.	547
a Pharmaceutical productions.	547	37. Solvay et Cie, Varangeville-Domblain (Meurthe-et-Moselle). Sodid carbonate sodas, crystals of soda, etc.	547
b Chemical supplies.	548	38. Thevenot, Charles, Dijon (Cote-d'Or). Medical capsules.	547
15. Demarson-Chetelat, Paris. Perfumery, soaps.	549		
16. Dorin (H. Monin et G. Pinaud, successeurs), Paris. Rouges.	549		
17. Fayard Blayn et Cie, Paris. Plasterers.	548		
18. Get freres, Revel (Haute-Garonne). Green and white peppermint.	549		
19. Klotz, Victor, Maison Pinaud Paris. Perfumery and soaps.	549		

## Paints, Colors, Varnishes, Stationery, Furniture of Interiors, Upholstery, Etc.

Exhibit No.	Class'n No.
65. Chapon Freres, Paris. Transparent linen for plans, drawings, etc.	560
66. Conza, A., Paris: Fancy paste-board.	557
67. Darbley Pere et Fils.	
<i>a</i> Paper pulp.	556
<i>b</i> Papers of various kinds.	558
68. Feuvrier, Paris. Boards.	557
69. Fortin, Charles, et Cie, Paris. Account books, office supplies, etc.	561
70. Geisler, Louis, Chatelles, par Raon-l'Etape (Vosges). Paper in reams.	560
71. Johannot et Cie, Annonay (Ardeche).	
<i>a</i> Drawing and letter paper.	560
<i>b</i> Account books.	561
72. Lair et Millett. Various papers.	559
73. Lacroix, Lucien, Couronne (Charente). Unsized thin post for letter-copy, multicopist paper, etc.	560
74. Legrand, Georges, Paris. Paper in reams and fashioned envelopes.	560
75. Outhenin Chalandre Fils et Cie, Paris. Paper.	560
76. Piprot, Gaston, Paris. Paste-boards for boxes and caskets.	557
77. Prat, Dumas et Cie, Couze-Saint-Front (Dordogne). Filtering paper.	560
78. Richard, Leon et Fils, Paris. Paste-boards.	567
79. Saloine, Charles, Paris. Gold, silver and velvet papers.	562
80. Societe du Prieur, Le Prieurpres Brives (Correze). Straw and packing papers.	558
81. Vacquerel, Eugene, Paris.	
<i>a</i> Card-board, paste-board, leather paste-board.	567
<i>b</i> Fancy papers.	562
82. Varin, Paul, Jean d'Heurs (Mense).	
<i>a</i> Wrapping paper.	538
<i>b</i> Writing paper.	560
83. Viet, J., Fontenay-sous-Bios (Seine). Paper for flowers and leaves.	558
GROUP 90.	
84. Alavoine, L., et Cie, Paris.	
<i>a</i> Furniture.	567
<i>b</i> Tapestry.	568
<i>c</i> Walnscoting.	571
<i>d</i> Artistic objects.	572
<i>e</i> Embroidery.	573
85. Balny, Camille, Paris. Card tables.	566
86. Bay, J. G., Paris. Triplicate mirrors.	569
87. Beauvais, J. B., Paris. Portrait in relief in bronze, silver, etc.	572
88. Berchoud, P. L., Paris. Furniture covered with tapestry and Savonnerie velvet.	572
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<i>e</i> Embroidery.	573
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87. Beauvais, J. B., Paris. Portrait in relief in bronze, silver, etc.	572
88. Berchoud, P. L., Paris. Furniture covered with tapestry and Savonnerie velvet.	572

## GROUP 88.

Antoine, Leon, Paris. Writing inks.	552
Binant, A., Paris. Painting canvases.	555
Chamel, Gustave, fils et gendre, Paris. Alcohol varnishes.	554
Chiroux-Lecerf, Louis, A. L., Camille (Nord). Boot blacking.	552
Deschamps freres, Robert-Espagne (Euse). Ultra-marine blues for linen.	552
Expert-Bezancon et Cie, Paris. White d colors.	552
Hardy-Milori et Cie, Montreuil-sous-Bois (Seine). Artists' colors.	555
Lacroix, A., Paris. Vitriifiable colors ceramic work, etc.	552
Leroy Ve. Ch., et Cie, Levallois-Perret (Euse). Unctuous blacking.	552
Levasseur, Gustave, et Cie, Paris. Alcohol varnishes.	554
Lorilleux et Cie, Paris. Typographic lithographic block.	552
Marquet de Vasselot, Leon, Paris. Med colors, inks, etc.	552
Olivier, Charles, Paris. Martin var-	554
Olive Freres, Paris.	
Colors for wall paper.	552
Fixative.	555
Peyrusson, Edouard, Limoges (Haute-Inde). New unalterable colors for rating porcelain.	552
Societe Anonyme des Matieres Color- et produits chimiques de Saint-Denis.	
<i>a</i> Coloring matters and chemical unctious derived from tar and coal.	552
Societe des Cirages Français, Paris. King.	552
Societe Francaise Anonyme des Blancs inc, Montdidier (Somme). Oxide of zinc white, snow white.	552
Guillard-Crognier, Rue de Beauvais, (Somme). Sympathetic ink.	552
Merclon, L., et Charrier, Pithiviers (Euse). Saffrons.	552
GROUP 89.	
Mc, Charles, Paris. Penholders.	564
Manchet Freres et Kleber, Rives (Euse). Parchment paper, etc.	560
Mauclant et Levasseur, Paris. Lace s and envelopes for sweetmeats.	562

## Furniture, Upholstery, Ceramics and Mosaics.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
89. Bertrand-Boulla, F. H., Nîmes (Gard). Furniture.	567	115. Ringel d'Illzach, Jean, Paris. United plaster.	
90. Beurdeley, A., Fils, Paris. Artistic furniture.	572	116. Schmit, Frederic, Paris. a Tapestry.	
91. Boison, Jules, Paris. Bedroom furniture.	567	b Hangings.	
92. Borgest, P., Paris. Furniture bronzes.	572	117. Seydoux et Cie, Paris. Picture.	
93. Brossier, V., Paris. Artistic furniture.	572	118. Sormani, Paul, Paris. Panels with bronze ornaments.	
94. Carriere, Ernest, Paris. Mirrors and frames.	569	119. Thuillier Freres, Paris. Picture.	
95. Chaix, Alban, Paris. Picture.	572	<b>GROUP 91.</b>	
96. Chevré, A., Paris. Artistic furniture.	572	120. Bapterosses, F., et Cie, Paris. Mosaics, in unalterable enamel for panels, etc.	
97. Chorale, Catesienne, Cateau (Nord). Picture.	572	121. Bawo et Dotter, Limoges (Haute-Vienne). Decorated porcelains.	
98. Clair, Maxime, Paris. a Hangings, etc.	568	122. Bigot et Bouzon, Paris. Decorated porcelain ware mounted on bronze.	
b Fancy furniture.	572	123. Blondeau, Pichonnier et Dubouché, Limoges (Haute-Vienne). White decorated porcelains.	
99. Damon, A., et Colin, Paris. Drawing room.	572	124. Chevrel, G., Paris. Inlaid mosaic, etc.	
100. Dienst, Eugene, Paris. Artistic furniture.	572	125. Chêneau, G. F. L., Paris. Artistic ceramic ware.	
101. Felz, Alphonse, Paris. Designs for ceilings, imitating ancient tapestry.	571	126. Collectivité des Ceramistes Charentais de Limoges, Limoges. Decorated porcelains.	
102. Forest, Flavien, Paris. Chimney wainscot.	571	127. Daum Freres et Cie, Verres Nancy (Meurthe-et-Moselle). Artistic glassware.	
103. Gauchot, L. L., Paris. Mirrors in ivory frame.	569	128. Delvaux, Georges, Montigny-la-Loire (Seine-et-Marne). Artistic ceramic ware.	
104. Gonley, Leon, Clichy (Seine). Picture.	572	129. Fourmaintraux-Courquin, France. Desvres (Pas-de-Calais). a Artistic earthenware.	
105. Janselme, Charles, Paris. a Furniture.	567	b Tiles and facings.	
b Hangings.	568	130. Fourmaintraux, Jules, Desvres (Pas-de-Calais). a Artistic earthenware.	
106. Klotz, Paris. Picture.	572	b Tile.	
106a. Lampre, Antony, Paris. a Card table.	566	131. Gerard Dufraisserie, E. et Cie, Limoges (Haute-Vienne). White and decorated porcelains.	
b Cabinet work with bronze ornaments.	572	132. Guilbert-Martin, A. M., Saint-Denis (Seine). Mosaics in enamel and marble.	
107. Leloutre, Paris. Fire screen, folding screen, etc.	572	133. Henry, L., H. Paris. Mounted porcelains.	
108. Majorelle, Louis, Paris. Artistic furniture.	572	134. La Ceramique, Limoges (Haute-Vienne). White and decorated porcelains.	
109. Martin, E., Paris. a Panels for the decoration of apartments.		135. Levy, Emile, Paris. Porcelains.	
b Inlaid work for furniture.	572	136. Leveille, E., Paris. Earthenware.	
110. Olivier, Charles, Paris. Furniture.	567	137. Louchet Freres, Paris. Panels, etc.	
111. Poirier et Remon, Paris. a Furniture.	567		
b Artistic decorations.	510		
112. Quignon, Gustave, Paris. Furniture, etc.	567		
113. Quinet, E. C., Paris. Artistic panels, etc.	570		
114. Remon, Georges, Paris. Designs for decoration of apartments.	574		

## Monuments, Mantels, Enamels, Glass and Glassware, Carvings.

Exhibit No.	Class'n No.
1. Manufacture Nationale de Sevres, Sevres (Seine-et-Oise). China.	576
Muller, E., et Cie., Yvry-Port, pres Paris (Seine). Ornamentation in terra cotta and sandstone.	574
Redon, M., Limoges (Haute-Vienne). White and decorated porcelain ware.	577

## GROUP 92.

Aignan-Moreau (Pierre), Paris. Marble mantels, columns, balusters, etc.	583
Brunot et Bracony, Paris. Marble and terra cotta ornaments.	583
Coupler Fils et Drouart A. et A., Paris. Artistic objects in marble, bronze and imitation bronze.	583
Poret, J. Louis Ch., Paris. Ornaments in copper and bronze.	583
Soltau, Eugene, Paris. Decorative objects in marble and bronze.	583
Susse Freres, Albert et Leon, Paris. Bronze and marble ornaments.	583
Tassel, E. L. Ch., Paris. Plans of public monuments.	581

## GROUP 93.

Beurdeley, A., Fils, Paris. Artistic bronzes.	585
Boin, Georges, Paris. Bronzes.	585
Bouquet, Paris. Bronzes polychrome and white.	585
Blot, Eugene, Paris. Artistic bronzes.	585
Bricard Freres, Paris. Bronzes for doors and windows.	585
Christoffe et Cie, Paris. Bronzes.	585
Colin, Emile, et Cie, Paris. Artistic bronzes, etc.	585
Dienst, Eugene, Paris. Artistic bronzes.	585
Duval, Adrien, Paris. Bronze group.	585
Forest, Flavien, Paris. Bronzes and artistic objects.	585
Gasne, Louis, Paris. Artistic and ornamental iron work.	585
Gasne, L., Tusey (Meuse). Art metal work.	585
Gervais, Fernand, Paris. Artistic furniture bronzes.	585
Hottor et Charpentier, L. et A., Paris. Metal work.	585
Houdebine Pere et Fils, Paris. Artistic furniture bronzes.	585
Leblanc-Barbedienne, G. E., Paris. Artistic and furniture bronzes.	585
Enamels.	586

Exhibit No.	Class'n No.
163. Louchet freres, Paris.	
a Bronzes.	585
b Enamel wares.	586
164. Millet Pere et Fils, Blaise et Theodore, Paris. Furniture and artistic bronzes.	585
165. Montecot Jeune, Paris	
a Bronzes.	585
b Enamels.	586
166. Nicot, Honore, Vendevre-sur-Barse (Aude). Art metal work.	585
167. Noiriel et Robert, Paris. Small bronzes.	585
168. Peyrol, H., Paris. Art metal work.	585
169. Pinedo, Emil, Paris. Art metal work.	585
170. Poret, J. Louis Ch., Paris. Bronzes.	585
171. Rollet, A. A., Paris. Art metal work.	585
172. Societe Anonyme des Hauts Fourneaux et Fonderies du Val d'Osne, Paris. Bronzes and brasses.	585
173. Sormani, Paul, Paris. Artistic bronzes.	585
174. Tassel, E. L. Ch., Paris. Furniture bronzes.	585
175. Thiebaut Freres, Paris. Art metal work.	585

## GROUP 94.

176. Appert, L. A., Clichy-la-Garenne (Seine).	
a Glass tubes and pipes.	590
b Perforated glasses for ventilation.	591
177. Charbonneaux et Cie (Reims-Margot). Bottles for sparkling wines. Dept. B.	590
178. Fromont, Henri, au Perreux (Seine). Artistic crystal ware.	593
180. Leveille, E., Paris. Artistic glassware.	593
181. Lorin, Veuve, Chartres (Eure-et-Loire). Artistic glassware. Dept. G.	593

## GROUP 95.

182. Murat, H. J. J., Paris. Artistic windows and screens.	Dept. G. 596
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## GROUP 96.

183. Dennery, Myrtill, Paris. Chiseled bronzes.	601
184. Vessiere aine, Justin, Baccarat (Meurthe-et-Moselle). Collectif engravé pieces.	

## Gold and Silver Ware, Jewelry, Horology.

## GROUP 97.

Exhibit No.	Class'n No.
185. Aucoc Fils, Louis, Paris. Fancy articles.	607
186. Bernard Freres, Myrthil et Ernest, Paris. Aluminum articles.	610
187. Boin, Georges, Paris. Gold and silver wares.	604
188. Charlot Freres, Paris. Art enamels, etc.	608
189. Chesneau, Jeanne, Paris. Enamel flowers.	608
190. Christoffe et Cie, Paris. Plated ware.	609
191. Guilbert-Martin, A. M., Saint-Denis (Seine). Artistic work on gold ground.	608
192. Laumel, Henri, Paris. Aluminum ware.	610
193. Thinet, Jules, Paris. Table cutlery.	606
194. Vever, Paris.	
a Gold and silver ware.	604
b Enameled ware.	608

## GROUP 98.

195. Aucoc Fils, Louis, Paris. Jewelry.	612
196. Besson, Auguste, Paris. Imitation diamonds set in gold and silver.	615
197. Boucheron, Frederic, Paris. Jewelry, etc.	612
198. Bourdais, Paris. Jewelry, etc.	612
199. Bourdard, Victor F., Paris. Imitation jewelry.	616
200. Bourdier, Th., Paris. Jewelry.	612
201. Brunet, Georges, Paris. Fancy gold jewelry.	612
202. Caron, Joseph P., Paris.	
a Imitation diamonds.	615
b Imitation jewelry.	616
203. Chargueraud, Napoleon, Paris. Fancy gilt jewelry.	616
204. Charvet, Louis, Paris. Imitation diamonds.	615
205. Chopard, Albert, Paris. Imitation jewelry.	616
206. David, Celestin Frere, Paris. Imitation precious stones.	615
207. David et Grosogeat, Paris. Imitation jewelry.	616
208. Despres, Felix, Paris. Jewelry.	612
209. Dreux, C., Paris. Gold and silver jewelry.	612
210. Fornet, Aime A., Bouge-en-Brene (Ain). Jewelry.	612
211. Hirn, J. A., Paris. Imitation jewelry.	616
212. Jacta Fils, G. E. L., Paris. Artistic jewelry.	613
213. Kintz, Charles, Paris. Imitation jewelry.	616

## Exhibit No.

214. Laumel, Henri, Paris. Imitation jewelry.	
215. Lefebvre et Picard, Paris.	
a Gold and silver jewelry.	
b Imitation jewelry.	
216. Loeb, Gustave, Paris. Mourning elry.	
217. Mangon, Pierre, Paris.	
a Gold and silver jewelry.	
b Imitation of diamonds.	
218. Marteau, Leon V., Paris. Imitation jewelry.	
219. Mascuraud Freres, Paris. Imitation jewelry.	
220. Mestivier, Georges, Paris. Jewelry.	
221. Murat, Paris. Imitation jewelry.	
222. Noiriol et Robert, Paris. Imitation jewelry.	
223. Paiseau-Feil, Charles, Paris. Production of precious stones.	
224. Peconnet, Charles, Paris. Jewelry.	
225. Persianinoff, Alexis P., Paris.	
a Jewelry.	
b Imitation of diamonds.	
226. Plichon et Cie, Paris. Gold and silver-plated jewelry.	
227. Plumet, P. Louis, Paris. Imitation jewelry.	
228. Ruteau, Paris. Imitation jewelry.	
229. Sangan, J., Paris. Imitation jewelry.	
230. Simon, Denis, Paris. Imitation jewelry.	
231. Sordoillet, Ernest, Paris. Imitation jewelry.	
232. Union Co-operative d'Ouvriers tiers en dore, Paris.	
a Imitation jewels.	
b Gilt jewelry, etc.	
233. Vever, Paris. Jewelry.	
234. Vales, Constant, Paris. False pearls.	
235. Vuillermoz, Louis, Paris.	
a Gold and silver jewelry.	
b Imitation diamonds.	

## GROUP 99.

236. Colin, Emile, et Cie, Paris. Le clocks.	
237. Drocourt, Alfred, Paris. Travel clocks.	
238. Glaenger et Cie, Paris. Timepiece in every style.	
239. Grisot-Saillard, P. Emmanuel, Sacon (Doubs). Clock springs.	
240. Houdebine Pere et Fils, Paris. Clocks.	

## Horology, Silk and Silk Fabrics.

Exhibit No.	Class'n No.
Lamaille et Cie, Paris. Clocks of all kinds.	621
Lamaille, G., et Cie, Paris. Time-pieces, regulators.	621
Moyet, A., et Cie, Paris. Articles and tools for watchmakers, etc.	620
Pierre, F., et Ch., Paris. Ornamental clocks.	621
Societe Anonyme d'Horlogerie de Besancon, Besancon (Doubs). Watches and chronometers.	617
Societe Anonyme Haas, B., Paris. Gold, silver and metal watches.	617
Susse Freres, Albert et Leon, Paris.	621
Villon, Albert, Saint-Nicolas-d'Allier (Seine-Inferieure). Clockwork.	622

## GROUP 100.

Adam, Henry, et Cie, Lyon (Rhône).	
a White and colored damasks.	629
b Velvets; grenadines, gauzes, etc.	630
Alamagny, Oriol et Cie, Saint-Chamond (Loire).	
a Ribbons.	631
b Braids, laces, galloons, etc.	632
Arquische, Ravier et Graspellier, Lyon (Rhône).	
a Plain silks.	628
b Figured silk goods.	629
Atuyer, Bianchini et Ferrier, Lyon (Rhône).	
a Plain silks.	628
b Fancy silks.	630
Bachelard, J., et Cie, Lyon (Rhône).	
a Plain silks.	628
b Figured silk goods.	629
Bardon et Riton, Lyon (Rhône).	
a Plain silks.	628
b Figured silk goods.	629
c Fancy goods, velvets, etc.	630
Bickert et Besson, Lyon (Rhône).	
a Figured silk goods.	629
b Velvets.	630
Bonnet, J. B., Lyon (Rhône).	
a Silk goods.	629
b Grenadines, Chinese crepe, gauzes.	630
Boudon, Louis, et Cie, Saint-Jean-du-Gard.	
a Raw silks.	625
b Spun silks.	627
Brossy, C., et Cie, Saint-Etienne (Rhône).	
a Terry velvets.	630
Brunet-Leconte, Moise et Devay, Lyon (Rhône).	
a Fancy figured and printed goods.	629

Exhibit No.	Class'n No.
260. Chabrieres, Morel et Cie, Lyon (Rhône). Silk and silk waste.	627
261. Chatel et V. Tassinari, Lyon (Rhône).	
a Fabrics for furniture.	629
b Robes.	630
262. Chavent Pere et Fils, Lyon (Rhône). Fancy silk goods.	630
263. Chevillard, E., et Cie, Lyon (Rhône).	
a Plain silk.	628
b Silk piece goods.	629
264. Chovel et Escorbia, Saint-Etienne (Loire).	
a Colored satin.	628
b Plain and figured colored velvets.	630
265. Colcombet, Francois, et Cie, Saint-Etienne (Loire). Ribbons of all kinds.	631
266. Coquel, A., et Cie, Amiens (Somme). Velveteens and velvet.	630
267. Cousin Freres, Commes (Nord). Simili silk and linen arches for the warpings of Jacquard loom, etc.	625
268. David Freres, Paris. Passementeries.	632
269. Deffrennes, Jean Canet et Cie, Lannoy (Nord). Furniture fabrics, table covers, reproductions of portraits, etc.	629
270. Duchamp, E., Lyon (Rhône).	
a Plain silks.	628
b Figured silk goods.	629
271. Duche, Paul, Paris.	
a Silk.	629
b Fancy goods.	630
272. Gautier-Bellon, Paul et Camille, et Cie, Lyon (Rhône). Black and colored velvets.	630
273. Gindre et Cie, Lyon (Rhône).	
a Satins, bengaline.	628
b Armours.	629
274. Giron Freres, Saint-Etienne (Loire).	
a Furniture silks.	629
b Velvets, plushes.	630
c Plain and figured ribbons.	631
275. Gustelle, H., Lyon (Rhône).	
a Plain silks.	628
b Fan of silk goods.	
276. Hamot, G. et R., Paris. Silks.	620
277. Henry, J. A., Lyon (Rhône). Silk stuffs.	629
278. Huber, Emile et Cie, Paris. Plushes, velvets.	630
279. Klotz Juene, Paris. Cravats, silk kerchiefs, handkerchiefs, etc.	630
280. Lagache, Julien, Roubaix (Nord). Fancy articles.	630
281. Lamy et Giraud, A. et A., Paris. Furniture silks.	629

## Silk and Silk Fabrics, Fibres, Yarns and Woven Goods of Cotton, Linen, Etc.

Exhibit No.	Class'n No.
282. Langlois, Louis, Paris. Passementeries.	632
283. Legrand Freres, Paris. Furniture fabrics, hangings, etc.	629
284. Lemaître et Guique, Lyon (Rhône). Plushes and velvets.	630
285. Les Petits-Fils de Bonnet, C. J. et Cie, Lyon (Rhône). Silks, silk goods of all kinds.	630
286. Louchet-Bernaud, Ch. G., Amiens (Somme). Plushes, velvets.	630
287. Marcoux et Chateaufneuf, Saint-Etienne (Loire).	
<i>a</i> Velvets.	630
<i>b</i> Fancy ribbons.	631
288. Martin, J. B., Lyon (Rhône). Velvets and plushes.	630
289. Martin, L., et Cie, Lyon (Rhône). Raw Cevennes silks.	625
290. Morel, A., Saint-Etienne.	
<i>a</i> Velvets.	630
<i>b</i> Ribbons.	631
291. Palluat, H., et Testenoire, Lyon (Rhône).	
<i>a</i> Raw silks.	626
<i>b</i> Wrought silks.	627
292. Permezel, L., et Cie, Lyon (Rhône).	
<i>a</i> Satin.	628
<i>b</i> Silk goods.	629
293. Piotet et Roque, J. M. et J., Lyon (Rhône).	
<i>a</i> Silk goods, fabrics for furniture.	629
<i>b</i> Velvet.	630
294. Poncet, Pere et Fils, Lyon (Rhône).	
<i>a</i> Plain silk.	628
<i>b</i> Fancy silk.	629
295. Pravaz fils et Bouffier, A. et A., Lyon (Rhône). Crepe stuffs, silk muslins.	630
296. Rebour, Ch., Saint Etienne (Loire). Ribbons, etc.	631
297. Riboud Freres, Lyon (Rhône). Velvet.	630
298. Rosset, A., Lyon (Rhône). Silk and tulle crepes.	630
299. Saunier, E. E., Paris. Passementerie.	632
300. Saurel Freres, Nîmes (Gard). Upholstery silks.	629
301. Staron jeune, P., et Cie, Saint Etienne (Loire).	
<i>a</i> Fancy goods.	630
<i>b</i> Plain and figured ribbons.	631
<i>c</i> Galloons and passementeries.	632
302. Tabard, Cecillon et Chaput, Lyon (Rhône).	
<i>a</i> Plain silks.	628
<i>b</i> Fancy silks.	629
<i>c</i> Ribbons.	631

Exhibit No.	Class'n No.
303. Teissier du Cros, Ernest, Vallerange (Gard).	
<i>a</i> Raw silk.	
<i>b</i> Rough silks.	
304. Ternynck Freres, Roubaix (Nord). Chinese satin, etc.	
305. Tresca Freres, Pierre et Joseph, Cie, Lyon (Rhône).	
<i>a</i> Damask silks.	
<i>b</i> Fancy goods.	
306. Tronel, P., et Cie, Lyon (Rhône). Tullies, silks.	
307. Union des Filateurs et des Mouliniers, Valence (Drome).	
<i>a</i> Raw silks.	
<i>b</i> Wrought silks.	
308. Vallat et Deville, Saint Etienne (Loire).	
<i>a</i> Plain silk.	
<i>b</i> Velvets.	
<i>c</i> Ribbons.	

## GROUP 101.

309. Compagnie Francaise du Linoleum Paris. Linoleum, carpets.	
310. Forest, Flavien, Paris.	
<i>a</i> Embroidery.	
<i>b</i> Ancient tapestry.	
311. Saint Freres, Paris.	
<i>a</i> Jute cloth.	
<i>b</i> Cotton goods.	
<i>c</i> Fabrics of flax and hemp.	

## GROUP 102.

312. Berger, Casimir et Cie, Rouen (Seine Inferieure). Cotton fabrics and cords.	
313. Cremond fils, Cholet (Maine-et-Loire).	
<i>a</i> Linen, handkerchiefs, table cloths, napkins, etc.	
314. Binder, G., et Jalla Jeune, Paris.	
<i>a</i> Turkish towels, dressing gowns and cotton fabrics.	
315. Collectivite de Lille, Lille (Nord). Linen thread.	
316. Crespel et Decamps, Lille (Nord). Linen sewing thread.	
317. Crespel et Decamps, et Veuve Crespel et Fils, Paris. Linen thread.	
318. Debieve Anatole, Marly-les-Valenciennes. Cotton flannels.	
319. Deblock, Desire, Lille (Nord). Canvas of all kinds, tickings.	
320. Dechelette-Remi et Fils, Roubaix (Loire). Cotton fabrics, power loom weavings.	
321. Droulers-Vernier, Charles, Lille (Nord). Linen and hemp thread.	
322. Faucheur Freres, Lille (Nord). Linen thread.	

Woven and Felted Goods of Wool, Clothing and Costumes.

Exhibit No.	Class'n No.
32. Keloch et Bonnet, Gerazimer (Vosges). Vosges table and sheet linen etc.	639
33. Leblan, Paul, et Fils, Lille (Nord). Linen thread.	639
34. Leurent Freres, Roncq (Nord). Linen thread.	639
35. Lorent-Lescorney, Hellemmer (Nord). Lined thread.	639
36. Masere, Etienne, Paris. Batistes, handkerchiefs and lawns.	639
37. Masural Freres, Francois, Tourcoing (Nord). Mixed, unbleached and dyed thread.	638
38. Niquet, Isaac, Moreleasant (Somme). Canvas for sails, etc.	638
39. Nicolle Verstraete, Lille (Nord). Linen thread.	639
40. Roy Freres et Cie, Paris. Cotton fabrics.	638
41. Sinmonot-Godard et Fils, Paris. Linen thread handkerchiefs, lawns, etc.	639
42. Societe Anonyme de Perennites, Lille (Nord). Linen thread.	639
43. Vallee, J. M., Fiers-de-Torne (Othe). Fancy cotton goods.	638
44. Vrau et Cie, Ph., Lille (Nord). Linen thread.	639
45. Waddington Fils et Cie, Saint-Remi-sur-Avre (Eure-et-Loire). Cotton fabrics and yarn.	638

GROUP 103.

46. Agnellet Freres, Paris. Ladies' felt hats.	648
47. Binder, G., et Jalle Jeune, Paris. Wool and mixed fabrics.	640
48. Bonneau et Cie, Wignehies (Nord). a Woolens. b Cloths. c Silk and wool. d Fancy articles.	641 643 644 647
49. Chappat et Cie, Clignacourt Paris. (Seine). a Dyed and dressed wool. b Wool and silk stuffs.	641 644
50. Croc, Pere et Fils et Jorrand, Aubusson (Creuse). Jacquard carpets.	649
51. De Montagnac et fils, E., Sedan, Ardennes. a Woolen cloths. b Fancy goods.	641 647
52. Duquesne, Paris. Eastern carpets and photo of machine.	649
53. Fortin, Eugene C., Clermont (Oise). Eits for saddlery.	648
54. Hamot, G., et R., Paris. a Furniture stuffs of Savonnerie. b Aubusson tapestry, carpets.	646 649

Exhibit No.	Class'n No.
345. Janselme, Charles, Paris. Carpets.	649
346. Johnson et Cie, Paris. Felt hats.	648
347. Lamy et Giraud, A. et A., Paris. Stuffs.	646
348. Leborgne, Ferdinand, Lannoy, (Nord). a Furniture fabrics. b Carpets.	464 649
349. Liaud Freres et Cie, Paris. Ladies' felt hats.	648
350. Louchet-Bernaud, Ch. G., Amiens (Somme). Wilton carpets.	649
351. Masural Freres, Francois, Tourcoing, (Nord). Combed woolen yarn.	640
352. Michau, Th., et Cie, Paris. a Woolen yarn. b Woolen cloths for men; fabrics for dresses.	640 641
353. Motte et Cie, Alfred, Roubaix (Nord). Combed wools.	640
354. Neveu, E., et Fils, Paris. Passementeries.	632
355. Pascal-Valluit et Cie, Vienne (Isere). Printed woolen cloths.	648
356. Peyrache Freres, Paris. All kinds of galloons.	647
357. Seydoux et Cie, Paris. a Woolen yarns, etc. b Flannel, fabrics for dresses. c Shawls, etc.	640 641 642
358. Societe Anonyme de Peignage, Roubaix (Nord). Combed wools.	640
359. Societe Industrielle de Reims, Reims (Marne). a Combed wool, woolen yarn. b Woolen fabrics.	640 641
360. Tabourier et Cie, Paris. Silk and wool fabrics.	644
361. Ternynck Freres, Roubaix (Nord). Woolen cloths.	641
362. Thomaron, A. M., Paris. Cloths for card tables.	648
363. Vaillant-Puyot, Alphonse, Cambrai (Nord). Wool novelties, serges, etc.	643

GROUP 104.

364. Agnellet Freres, Paris. Ladies' straw hats.	654
365. Akar, A., et Cie, Paris. Ready-made clothing.	652
366. Aubertin, Isidore, Paris. Skin, suede and kid gloves.	657
367. Bailly, Paul, Paris. Braces, etc.	658
368. Sole manufacturers of the "internationally famous world renowned and universally acknowledged unrivaled Guyot suspenders." Highest awards at all expositions. Repre-	

## Clothing and Costumes.

Exhibit No.	Class No.
sented exclusively in North America by Ostheimer Bros., New York, Philadelphia and Montreal. For sale everywhere.	
368. Balsan Freres, Millau (Aveyron). Kid gloves.	657
369. Bernheim Freres, Paris. Jerseys.	653
370. Berteil, Antoine, Paris. Hats.	654
371. Bertout, Adolphe, Paris. Hosiery.	657
372. Bonnevey, Edouard, Paris. Skin gloves.	657
373. Bonnaix, Jeune, A. Paris. Hats and caps.	654
374. Buscarlet, Veuve, et Fils, Paris. Kid gloves and skins.	657
375. Boussus et Cie, Wighnehies (Nord). Made-up fabrics.	653
376. Centemeri, P., et Cie, Grenoble (Isere). Kid gloves.	657
859 Broadway, N. Y.; 1229 Chestnut st., Phila.; 7 Kearney st., San Francisco. Sp'cl ag'ts: J. H. Walker Co., Chicago; Wm. Barr Dry Goods Co., St. Louis; C. H. Phillips, Boston. Our gloves are made with special care for first class retail trade, and can be found in all the principal cities and towns of U. S.	
377. Chambre syndicale des fabricants de gants de Grenoble (Grenoble (Isere)). Kid gloves.	657
378. Charvet, Paris. Men's underclothing.	658
379. Coion, R., et Cie, Paris. Boots of all kinds.	656
380. Collin, Louis, Paris. Military clothing, etc.	652
381. Courvoisier, Bourgois et Cie, Paris. Kid gloves.	657
382. Dheilly-Horde, Veuve, Villers-Bretonneux (Somme). Shooting jackets and waistcoats.	652
383. Ducher, Hippolyte, Paris. French and foreign uniforms.	652
384. Farcy et Oppenheim, Paris. Corsets.	658
385. Fortin Fils et Deschamps, Paris. Kid gloves.	657
386. Franck, Lazare, Paris. Troussseau, morning gowns, etc.	653
387. Haas et Cie, Paris. Hats.	654
388. Halimbouurg et Fils, J., Paris. Ready-made clothing.	652
389. Hayem, Paris. Shirts, etc.	658
390. Herth, Paris. Boots, shoes.	656
391. Jay, E. et S., Grenoble (Isere). Kid-skin and suede gloves.	657
392. Jeandron-Ferry, L. D., Paris. Ladies' boots.	656

Exhibit No.	Class No.
393. Kahn, Paul, Paris. Clothing; articles for boys.	
394. Krieggck, Nicolas. a Men's clothing. b Ladies' clothing.	
395. Liand Freres et Cie, Paris. Ladies' straw hats.	
396. Lagache, Julien, Roubaix (Nord). a Clothes for men, waistcoats. b Ladies' ready-made garments.	
397. Langenhagen, Ch. G. de, Nancy (Meurthe-et-Moselle). Palm, panama and whalebone hats.	
398. Laporte, E. L., Fils, Paris. Gloves.	
399. Leprince, H. P. F., Paris. Corsets.	
400. Marcault, Georges, Paris. Kid and suede gloves.	
401. Masurel Freres, Francois, Tournai (Nord). Hosiery.	
402. Mauchauffes, Maurice, et Cie, Troyes (Aube). Hosiery.	
403. Meyer, Sara, et Morhange A., Paris. Robes and mantles.	
404. Meyer, Louis, Paris. Boots.	
405. Morin-Blossier, Paris. Dresses, mantles, underclothing.	
406. Perrin Freres et Cie, Grenoble (Isere). Skin gloves.	
407. Picard, J., Fils, Leopold, Paris. Ladies' straw hats.	
408. Pinet, Francois, Paris. Boots and shoes.	
409. Plagnes, Leon, Millau (Aveyron). Kid gloves.	
410. Plassart, Morin et Filleot, Le Blanc-Marche, Paris. Ready-made underclothing.	
411. Prevet, E., Paris. Ladies' garments.	
412. Prevot et Lafon, Paris. Kid gloves.	
413. Raynal et Cie, Paris. Hats.	
414. Reichenbach, Arnold, et Cie, Paris. Dresses.	
415. Reynier, Grenoble (Isere). Kid gloves.	
416. Rouff, Paris. Dresses and mantles.	
417. Schorestene Freres, Paris. Articles for hat manufacturing.	
418. Simon et Cie, Paris. Clothes for men and children.	
419. Storch, L., Paris. Ready-made garments for ladies.	
420. Terray, A., Chaux et Cie, Grenoble (Isere). Gloves.	

## Clothing and Costumes, Furs and Fur Clothing, Laces, Embroideries, Etc.

Exhibit No.	Class'n No.
Trefosse et Cie, Chaumont (Haute-Marne). Kid gloves.	657
Verdier-Schultz, Paris. Hosiery.	657
Vessiere-Paulin, J.A., Paris. Infants' clothing.	653
Weil, Albert, Paris. Ready-made garments for ladies.	63

## GROUP 105.

Chambre Syndicate des Fabricants de Grenoble, Grenoble (Isere). Skins, etc.	660
Chapal, Paris. Peltry, furs.	660
Collective des Megissiers de Graulot. Skins for lining.	660
Dolat Freres, J. B., Paris. Furs.	660
Kriegck, Nicolas. Furs.	660
Lafrigue et Pinton, Paris. Furs.	660
Mayer, Mirtil, Paris.	
a Feather furs.	662
b Feather trimmings.	663
Revilhon Freres, Paris.	
a Furs.	660
b Fur clothing.	662
Revilhon, Stanislaus, Paris. Furs.	660

## GROUP 106.

Ahrweiler, Paris. Fans.	667
Ancelot, A., Paris.	
a Laces.	664
b Embroidery.	665
Bapterosses et Cie, F., Paris. Porcelain buttons and beads.	668
makers of the "world renowned F. B. buttons." The unexcelled quality of B. agate buttons places them at the of all manufactures of inexpensive is, and no dry goods store can be without. For information apply to Oster Bros., French section at Exposition.	
Berchoud, P. L., Paris. Belleville stry.	671
Bertrand-Bouilla, F. H., Nimes d). Decorative fabrics.	671
Biais aine et Cie, Paris. Artistic roidery.	669
Birey, A., Paris.	
a Art embroidery.	669
b Furniture tapestry.	670
Bonbon, Georges, et Cie, Troyes e). Fancy novelties.	664
Braquenie et Cie, Paris. Tapestry.	670
Brouillet, F., et Cie, Lyon (Rhône). roidered laces and tulle.	664
arcant, Gustave, Paris. Busks, gs, laces and steel whalebones.	668
arlier, Mme. Marie, Paris. Mil-ly.	655

Exhibit No.	Class'n No.
447. Chambre Syndicale des Fabricants de dentelles de Calais, Calais (Pas-de-Calais). Tulle and laces.	664
448. Chatel et V. Tassinari, Lyon (Rhône). Embroidery and church decorations.	669
449. Cormier, Charles, Paris. Fans.	667
450. Croc Pere et Fils et Jorrand, Aubusson (Creuse). Tapestry panels.	671
451. Crouvezier, Ch., Paris. Hand embroidery.	669
452. Dame, Prud'hon, P. et L. et Cie, Paris. Horsehair whalebones.	668
453. Daveniere et Cie, Calais (Pas-de-Calais). Laces of all kinds.	664
454. Deffenre, Edmond, Paris. Lace curtains, artistic guipures, bed-spreads, etc.	664
455. Denis, N., Paris. Spangles of all kinds.	668
456. Dienst, Eugene, Paris. Tapestry, etc.	671
457. Duche, Paul, Paris. Tapestries.	671
458. Ducollet Freres, Paris. Fans.	667
459. Farigoule, Pierre et Jean, Paris. Hand-made laces.	664
460. Frank O., Paris. Artistic guipure lace curtains and bed-covers.	664
461. Henry, J. A., Lyon (Rhône).	
a Gifts.	664
b Embroidery.	665
462. Javey et Cie, Paris. Artificial flowers.	666
463. Larcher, Henry, Paris. Embroidery.	665
464. Lerondier, Marie, et Cie, Lyon, (Rhône). Artistic embroidery.	669
465. Manufacture Nationale de Beauvais Beauvais (Oise). Tapestries.	671
466. Manufacture Nationale des Gobelines Paris. Tapestries.	671
467. Martin, Arthur, Paris. Design for decorative upholstery.	669
468. Martin, Georges (Compagnie des Indes), Paris. Laces.	664
469. Masson, Georges, Paris. Metallic eyelets.	668
470. Patay, Edgard, Paris. Flowers and feathers.	666
471. Postel, Aguste, Paris. Whalebones for stays.	668
472. Reichenbach, Arnold, et Cie, Paris a Laces.	664
b Embroidery.	665
473. Rocheron, Leon, Paris. Gold, silver, jet embroidery.	665
474. Roussaux, A., Thion-les-Vosges (Vosges). Embroidery.	665
475. Routier et Cie, Lyon (Rhône).	
a Imitation laces.	664
b Embroidered tulle.	665

## Laces, Hair Work, Traveling Equipments, Rubber Goods, Toys and Fancy Article

Exhibit No.	Class'n No.
476. Saunier, E. E., Paris. Embroidery.	665
477. Surret Freres, Jules et Auguste, Craponne (Houte-Loire). Hand-made laces.	664
478. Waree, A., Paris. Artistic hand-made curtains and guipures.	664

## GROUP 107.

479. Cormier, Charles, Paris. Ivory combs, brushes, etc.	675
480. Dupont, A., Cie, Paris. Brushes.	675
481. Gauchot, L. L., Paris. Brushes.	675
482. Jeannot Freres, Paris. Combs.	675
483. Loonen, Charles, Paris. Toilet brushes.	675
484. Maurey-Deschamps, Paris. Brushes and combs.	675
485. Moncharmont, Henry, Paris. Beards and wigs.	673
486. Tissier, Ch., Paris. Combs.	675

## GROUP 108.

487. Ahreweiler, Paris. Parasols.	682
488. Bregman, Henry, Paris. a Walking stick heads.	681
b Umbrella handles.	682
489. Clair, Maxime, Paris. Articulated folding seats, camp articles, etc.	676
490. Gruel, Leon, Paris. Embossed leather objects.	680
491. Lemaire Fils et Dumont, Dumont Edouard, Francois, successeur, Paris. Hammocks, etc.	676
492. Lucas, Nicholas, Paris. Purses, porte-monnaies, pouches, cigar cases, etc.	680
493. Société Nouvelle de Construction (systeme Tollet), Paris. Tents.	676
494. Vuitton, Louis, Paris. a Bags.	678
b Trunks.	679

## GROUP 109.

495. Apffer, Antoine, Paris. Pipe cases and boxes.	680
496. Delachal, L., Paris. India-rubber playthings.	691
497. Hutchinson et Cie, Paris. Wrought India-rubber.	691
498. Laurent, Abel, Paris. Musical India-rubber balloons, etc.	691
499. Oreste-Martin, A. J., Paris. India-rubber balloons.	691

## GROUP 110.

500. Barre, Hippolyte, Paris. Metallic playthings.	693
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Exhibit No.	Class'n No.
501. Bontems, Ch., Paris. Metallic snuff boxes, etc.	693
502. Bouchard, Rene, Paris. Playthings.	693
503. Boussard, Dominique, Paris. Plain flowers.	693
504. Boyer, Paris. Infants' toys.	693
505. Bregman, Henry, Paris. Balloons.	693
506. Chauvin, Alexis, Paris. Playthings.	693
507. Couturier, Gustave, Paris. Toys.	693
508. Crauser, G., Alne, Paris. Toys with natural hair.	693
509. Dupont, A., et Cie, Paris. Toys.	693
510. Du Val, A., et Lograt. Games, playthings.	693
511. Fontaine, Desire, et Lam. Dressed jugglers, dwarfs, etc.	693
512. Gavot, G., Paris. Child things.	693
513. Girard, P. E., Paris. Toys.	693
514. Halle, Charles, Paris. Playthings.	693
515. Hesse, A., Paris. Toys.	693
516. Jumeau et Cie, Paris. Toys.	693
517. Lamagnere, Th., Paris. Architecture.	693
518. Lambert, Leopold, Paris. Musical playthings.	693
519. Lefevre, E. et F., Paris. Toys.	693
520. Maltete, Charles, Paris. Toys and steam playthings.	693
521. Martin, Fernand, Paris. Toys and scientific playthings.	693
522. Moncharmont, Henri, Paris. Toys. a Masks, dominoes. b Paper confettis, etc.	693
523. Pelé, Casimir, Paris. Toys.	693
524. Pintel et Godchaux, Paris. Toys and dressed dolls.	693
525. Quitte, Prudent, Paris. Toys.	693
526. Rabery, Alexandre, Paris. Toys all kinds.	693
527. Ronsin, Eugene, Paris. Toys.	693
528. Rossignol, Veuve Ch., Paris. Small metallic playthings.	693
529. Rouillet et Decamps. Mechanical playthings.	693
530. Schaefer, Hermann, Paris. Toys.	693

Toys, Leather, Materials of War, Lighting Apparatus and Appliances.

Exhibit No.	Class'n No.
Sender, Paris. Mechanical play- ings, etc.	693
Sevette, P., Rouleau et Loiseau, rs. Musical toys.	693
Thomaron, A. M., Paris. Games.	693
Vichy, G. et H., Paris. Mechanical musical toys.	693
Wagne, A. et Levy, G., Paris. Games, etc.	693

GROUP 111.

Freres, Paris. Morocco etc.	693
asset Fils, Freres et Cie, Paris. Kid leather.	697
et Fils, Souillac (Lot). Black leather.	699
Yellow leather.	702
be et Oriol, Paris. Kid skins.	697
et Cie, Paris. Curried leather.	698
voisier, Bourgoin et Cie, Paris. gloves.	698
Uyasse, Sans (Tonne). Rabbit skin for leather.	702
amps, Jules, mi Belobelle, pres mont (Cher). Ox and cow raw leather.	700
Freres, Paris. Leather in bulk. etc.	699
Morocco leather, etc.	699
et Gaston, Ancienne Maison C., et Fils, Saint-Denis (Seine). sheep skins.	697
et Fils, Paris. kid and sheep skins.	697
ried goat skins.	698
ex, Louis, Paris. Dyed leather.	697
ne et Pinton, Paris. Hides and etc.	696
de Veuve Calixte Barrand, ameled, gilded kid skins.	699
Freres et Fils, Paris. Patent red calf skins.	699
et Caen, Croix (Nord).	697
mier Fils, Annonay (Ardeche). red calf skins.	697
red calf skins.	698
ex, A., Paris. Calf skins.	697
Alphonse, Paris. Seats leather and cord, leather	705
et Cie, Paris. red sheep skins.	697
Deco.	699
Gustave, Bayonne (Basses- Her). Lamb and sheep skins.	697

Exhibit No.	Class'n No.
558. Plagnes, Leon, Millan (Aveyron). Dyed skins.	696
559. Poplain-Bourrier, Paris. Leather belting.	704
560. Salasc, Benjamin, Bedarieux (Herault). Sheep skins.	697
561. Senat et Cie, Aubervilliers (Seine). Patent and enameled leather.	699
562. Suetat Fils, Paris. Patent and ena- meled leather.	699
563. Trefousse et Cie, Chantmont (Haute- Marne). Dyed kid skins.	696
564. Ullmo, Simon, Lyon. Smoothed leather, white calf skins.	702

GROUP 112.

565. Hurtu, Hautin et Diligeon, Paris. Water meters.	711
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GROUP 113.

566. Aurouze, Etienne, Paris. Snares for animals.	718
567. Faure Le Page, E. H., Paris. Sport- ing fire arms.	718
568. Gastinne-Rennette, J. F., Paris. Fine guns, etc.	718
569. Guyot, M., Paris. Sporting fire arms.	718
570. Nouvelle, Arthur, Paris. Fire guns, etc.	718
571. Schneider et Cie, Creusot (Saone-et- Loire). a Light artillery and guns. Dept. F 715 b Heavy ordnance and accessories. Dept. F 716	
572. Societe Francaise des Munitions de Chasse, de tir et de Guerre, Paris. War ammunition, etc.	714

GROUP 114.

573. Besnard, Frederic, Paris. a Petroleum lamps.	719
b Lanterns.	720
574. Coupier Fils et Drouart A. et A., Paris. Lamps.	719
575. Dubourguet, Amable, Paris. Fixtures.	721
576. Gagneau, Georges, Paris. a Oil lighting apparatus.	719
b Gas fixtures.	721
c Electric lamps.	722
577. Houdebine Pere et Fils, Paris. Chan- deliers.	721
578. Leblanc-Barbedieune, G. E., Paris. a Gas fixtures.	721
b Bronze ware for electric lighting.	722
579. Susse Freres, Albert et Leon, Paris. Chandeliers.	721

## Heating Apparatus, Hardware, Miscellaneous Articles.

## GROUP 115.

Exhibit No.	Class'n No.
580. Baudry Fils, H., Paris. Feather brooms.	730
581. Bourdon, Charles, Paris. Vapourigene for the heating of habitations, carriages, etc.	728
582. Godillot, Alexis, Paris. Drawings relative to the utilization of bad fuel.	724
583. Marchaud, Eugene, Saint-Jean-d'Angely (Charente-Inferieure).	
a Laundry stoves.	727
b Smoothing irons.	730
584. Tampier, L., Bordeaux (Gironde). Chimney for camp pot.	727
585. Wagner, Jacques, Paris.	
a Kitchen stoves, dutch ovens.	728
b Oil stoves.	729

## GROUP 116.

586. Sommet, Emilie, Paris. Molds for pastry cooks.	733
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## GROUP 118.

587. Disclyn, D., Paris. Artistic iron work.	743
588. Lengle, A. et Cie, Saint-Denis (Seine). Boxes for burial crowns.	743
589. Maugin, Louis, rue Casfroi, Paris. Panels in enameled sheet iron; decorations in relief or smooth.	744

## Exhibit No.

590. Millinaire Freres, Paris.	
a Railings.	
b Models of stable fittings.	

## GROUP 119.

591. Beligne, Henri, Langres (Haute Marne). Cutlery, tailors' scissors.	
592. De Hennau, Veuve H., Creil (Oise). Tacks, nails, rivets, etc.	
593. Deny, Charles, Paris. Locks.	
594. Hamon, Louis, Paris. Razors, scissors, knives, etc.	
595. Levent, Veuve, et Cie, Bavay (Nord). Bolts, rivets, screw-nuts, etc.	
596. Maillard, Louis, Paris. Hinge-pins, hinges.	
597. Picard, Leopold, Paris. Fine cutlery.	
598. Thinet, Jules, Paris. Cutlery.	

## GROUP 121.

599. Barbet, Emile-Augustin, Paris. Laboratory tools.	
600. Clair, Maxime, Paris. Footstove, riage warmers.	
601. Durrschmidt, Georges, Lyon-la-Plaisir (Rhone). Sharpening stones.	
602. Stochman Freres, Paris. Footstoves, tailors and dressmakers.	

## GERMANY.

Not having received the revised entries for Germany from the Imperial Commissioners we are obliged to go to press without them.—[Ed.] August 10th, 1893.

LOCATION—SECS. A AND C AND SECS. E AND F, BLOCKS 1-2-3-4.

## Chemical and Pharmaceutical Products, Druggists' Supplies.

## GROUP 87.

Exhibit No.	Class No.
17. Graf, Dr., & Co., Berlin. Pharmaceutical products.	547
18. Genthner, Reichenstein, Silesia. Arsenic.	545
19. Harnisch & Reimer, Holzbrinden on the Weser. Vaniline, heliotropine, etc.	549
20. Dechauer, E., List, near Hannover. Chemicals.	546
21. Heine & Co., Leipzig. Volatile oils, essences, etc.	549
22. Heraeus, W. C., Hanau. Platinum for crucibles, etc.	548
23. Jaffe, Bruno & Darmhaedter, Martickenfelde, near Berlin. Bandoline.	549
24. Stern, Em., Edenkoben. Cognac oil, tartar, etc.	547
25. Kgl. Preussische Porzellanmanufaktur, Berlin, Charlottenburg. Porcelain vessels, etc., for chemical purposes.	548
26. Koelling & Schmitt, Zerbst-Anhalt. Volatile oils and essences.	549
27. Koepf, Rud & Co., Oestrich-Rheingau. Oxalic acid, etc.	543
28. Knoll & Co., Ludwigshafen-on-the-Rhine. Alkaloids and glycosine.	544
29. Lehmann, Joh., Berlin. Pharmaceutical preparations.	547
30. Lechner, L., Berlin. Cosmetics, etc.	549
31. Marquart & Schulz, Bettenhausen near Cassel. Pharmaceutical and chemical products.	547
32. Marx, Heintz Carl, Harburg-on-Elbe. Samples of safety fuse.	550
33. Merck, E., Darmstadt. Drugs.	547
34. Porzellan (Manufaktur), Kgl. Preussische, Charlottenburg. Porcelain articles for chemical purposes.	548
35. Riedel, J. D., Berlin. New chemical-pharmaceutical products.	547
36. Rieger, Wilhelm, Frankfurt-on-the-Main. Perfumeries.	549
37. Rhodius, Gustav, Tnn. Burgbrohl. Carbonate and bicarbonate of potassium, natron.	545
Aktiengesellschaft fuer Chemische Industrie, Mannheim. Chemical technical apparatus.	548
Aktiengesellschaft fuer Chemische Industrie, Schalke i-W. Chemical products.	548
Bernhardi, Y., Leipzig. Pharmaceutical preparations.	547
Braeder Richter, Leipzig. Gehliol. Volatile oils and essences.	549
Chemia Fabrik Braunschweig, Brunswick. Quinine, cocaine, etc.	545
Chemische Fabrik Griesheim, Frankfurt-on-the-Main. Mineral acids.	543
Alkaloids.	544
Chemische Fabrik Kalk, vorm. Forster Grueneberg, Cologne. Ammoniac salts, potassium, etc.	544
Chemische Fabrik vorm. E. Schering, Berlin. Chemical preparations for pharmacopoeia.	547
Chemische Fabrik, vorm. Hofmann & Choetensack, Ludwigshafen-on-Rhine. Chemical and pharmaceutical products.	547
Fahlberg, List & Co., Salbke, Westphuesen, near Magdeburg. Saccharine and saccharine preparations.	547
Farben, Fabriken, vorm. Friede, ayer & Co., Elberfeld. Pharmaceutical products.	547
Farina, Johann Marie, Cologne. Cologne water.	549
Fikentscher, Rt. Chr., Zwickau, Saxony. Stoneware vessels for chemical industry.	548
Fritschler, Winterhalder & Co., Oihenberghuetten, near Furdh, Bavaria. Retorts, funnels, bottles.	548
Goedecke & Co., Leipzig. Fruit ether.	545
Volatile oil.	549
Goldschmidt, Th., Essen-on-the-Ruhr. In salts, zinc salts.	545

## Druggists' Supplies, Paints, Colors, Dyes and Varnishes.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
38. Sauberlich, Anton, Zwicken. Soap and perfumes.	549	57. Gademann & Co., Schweinfurt-on-the-Main. Schweinfurter green, bronze, etc.	552
39. Schuchhardt, Theodor, Dr., Tnk. Dr. Albert Weil, Goerlitz-Silesia. Scientific pharmaceutical preparations.	547	58. German Gold and Silver Smelting Establishment, Frankfurt-on-the-Main. Ceramic colors.	552
40. Stassfurter Chemische Fabrik, vorm. Vorster & Gruenberger, Stassfurt. Potassium cyanide, cyanurate of potassium, urea and cyanurates from blood.	544	59. Gerstenecker, Anton, Neuhausen near Munich. Tools for plastics.	555
41. Schaeffer, Dr., Charlottenburg, near Berlin. Ammonia and salmiac.	544	60. Graf, Dr., & Co., Berlin. Colors.	552
42. Thiemann, H., jun., Stolp. i-P. Chemicals.	546	61. Haenle, Leo, Munich. Leaf metal.	555
43. Wasmuth, A., & Co., Ottensen. Chemical and pharmaceutical products.	547	62. Haigtw, Gebrueder, Offenbach-on-the-Main. Paper ornaments.	562
44. Wasmuth, A., & Co., Barmen. Chemicals.	546	63. Hoermann, Carl, you und zu Gutenberg, Nuremberg. Gold tinsel.	555
45. Wanderoth, Geo., Gassel. Druggists' supplies.	548	64. Jacobsen, Dr., Emil, Berlin. Water colors, enamel colors.	555
46. Witt, Dr., Rostock. Pharmaceutical preparations, etc.	547	65. Kaas & Ehingen, Stuttgart. Feuerbach's Colors for book-printing and lithography, printers' ink.	554
47. Vereinigte Fabriken chemisch-pharmazeutischer products, Frankfurt-on-Main. Salts of quinine, quinine, chinidin, cocaine, etc.	545	66. Koebler & Co., Fuerth. Leaf metal.	555
48. Verein, chemischer Fabriken, Mannheim. Chemicals.	546	67. Kugelmann, David, Kissingen. Enamel.	552
49. Voegleyden, Dr., F. Nathl., Badeneul, near Dresden. Pharmaceutical preparations.	547	68. Kuhn's, E., Nuremberg. Gold and silver wire.	555
GROUP 88.		69. Lampel, Bruno, Cologne-Ehrenfeld. Colors.	552
50. Aktiengesellschaft fuer Anilinfabrikation, Berlin. Artificial and organic color substances.	552	70. Lisse, Ed., Aachen. Pattern book for artists.	555
51. Baefische Anilin und Sodafabrik, Ludwigshafen-on-the-Rhine. Aniline and other color substances.	552	71. Menne, Josef, Munderkingen a-D. Painters' brushes, etc.	554
The largest chemical manufacturers in the world. Capital Eight Million Dollars. Manufacture alizarine, aniline and other coal tar colors for dyeing wool, cotton, silk, paper and leather. Sole U. S. representatives, Wm. Pickhardt & Kuttroff, New York, Boston, Providence, Philadelphia, Chicago.		72. Michels & Morell, Espatena i-T, Hoechst-on-the-Main. Black colors.	552
52. Bormann, G., Nachf. Tubaber, Otto, Berlin. Colors.	552	73. Moritz, T., & Co., Hangenbieten near Enzheim, Alsace. Copying ink.	558
53. Bube, C., Hanover. Drawing apparatus, etc.	555	74. Mueller, Johann, Gottlieb & Co., Stuttgart. Artists' colors.	555
54. Chemische Fabriken, vorm. J. W. Weiler & Co., Cologne-Ehrenfeld. Products for the coloring of tea.	552	75. Pahl, Gebr., Nuremberg. Patent foil.	555
55. Eichler, W., Leipsic, Gohlis. Rapid drawing apparatus.	555	76. Rannefeld, W. & Co., Blankenburg-Harz. Colors.	552
56. Eiermann & Lator, Fuerth, Bavaria. Bronze ware and leaf metal.	555	77. Rhan, T. L., Nuremberg. Leaf metal.	555
57. Faber, A. W., Stein near Nuremberg. Ink oil colors.	552	78. Rosenhaupt, H., Fuerth. Bronze colors.	552
		79. Schaal, Dr. Eugen, Feuerbach near Stuttgart.	
		80. Schaal, Dr. Eugen, Feuerbach near Stuttgart.	
		81. Schaal, Dr. Eugen, Feuerbach near Stuttgart.	
		82. Schaal, Dr. Eugen, Feuerbach near Stuttgart.	
		83. Schaal, Dr. Eugen, Feuerbach near Stuttgart.	
		84. Schaal, Dr. Eugen, Feuerbach near Stuttgart.	
		85. Schaal, Dr. Eugen, Feuerbach near Stuttgart.	

## Typewriters, Paper, Blank Books, Stationery, Furniture and Upholstery.

Exhibit No.	Class No.
86. Vereinigte Pinselfabriken, Nuremberg. Paint brushes.	554
87. Vereinigte Ultramarinfabriken, Nuremberg. Ultramarine.	552
88. Weidener, T. L. & P., Nuremberg. a Bronze colors.	552
b Leaf metal.	555
89. Werner, Frz. P., Munich. Gold tinzel.	555
90. Zierlein, Gebr., Nuremberg. Paint brushes.	554

## GROUP 89.

91. Ahlheim & Co., Bismarcks-thal-Loesnitz, Saxony. Paper spools.	557
92. Berndt, Wilh. R., Berlin. Paper.	560
93. Brauer, F., Oskar, Buchholz i-S. Fancy stationery goods.	564
94. Duenkelbuchler & Co., Nuremberg. Lead and colored pencils.	564
95. Faber, A. W., Stein, near Nuremberg. Lead and colored pencils, states.	564
96. Faber, Joh., Nuremberg. Pencils, lead, slate, colored, etc.	564
97. Haenle, Leo., Munich. Gold and silver paper.	562
98. Heintze & Blankertz, Berlin. Pens and penholders.	564
99. Hochstein & Weinberg, Berlin. Glazed paper and cardboard.	557
100. Hohenstein & Lange, Berlin. Lamp shades, fancy paper wrappers for flower pots.	557
101. Leichtlin, Gebr., Karlsruhe. Stamp- ing paper, linen paper for drawing.	560
102. Motz, L. W., & Co., Berlin. Metal stationery articles.	564
103. Nopitsch, M., Schweinau, near Nuremberg. Lead and colored pencils, etc.	564
104. Papierfabrik Sendern-Sendern i-W. Paper.	556
105. Scherer's Gebr. Papier u Tapetenfabrik, Bismuthal, near Heidelberg. Wall paper.	563
106. Schreiber, Richard & Co., Rasthaus-Saxony. Stucco of paper and kylogenite.	563
107. Schroeter, Wilh., Ehrenfriedersdorf-Saxony. Stucco of paper and kylogenite.	569
108. Schwanhaeuser, G., Nuremberg. Lead and oil chalk pencils.	564
109. Siegert, Hugo, Breslau. Ink stand, writing case.	564
110. Sonnenthal & Klotke, Berlin. Book-binding work.	561
111. Steinbach Co., Malmédy, Prussia. Writing paper, paper for photography.	560

Exhibit No.	Class No.
112. Tetzler, Reinhold, Berlin. a Inks.	552
b Mastics.	554
113. Vereinigte Strohstoff Fabriken, Dresden. Straw in various stages of production.	556
114. Wiede's Papier, Fabrik, Rosenthal-Reuss. Paper.	556
115. Wuest, C. L., Frankfurt-on-the-Main. Playing cards.	557
116. Zuber, T., & Co., Rixheim, Alsace. a Decorated paper.	562
b Wall paper.	563
117. Zellstoff Fabrik, Waldhof near Mannheim. Illustration of the manufacture of paper from cellular substance.	556
118. Zucker & Co., Erlangen. Stationery.	564

## GROUP 90.

119. Adelhard, Johann, Nuremberg. Wood mosaic pictures.	572
120. Aktiengesellschaft fuer Glas, Spiegel und Zinnfolien fabrikation, Kuehnhirsors.	569
121. Aktiengesellschaft fuer Masserindustrie Kiefer, Kiefersfelden. Marble doors and a marble fire-place.	570
122. Andrea, Christoph, Muelheim-on-the-Rhine. Velvet wall decorations.	571
123. Apitzsch, Otto, Dresden. Picture painted on silk.	572
124. Bachmann, W., Fuerth. Mirrors.	569
125. Ballin, M., Munich. Artistic furniture.	567
126. Barth, Conrad & Co., Munich. a Mirror.	569
b Ceiling, walls and portal.	571
127. Biedermann, H., Fuerth. Mirrors.	569
128. Bock, Louis & Sohn, Hamburg. a Rocco mirrors.	569
b Easel.	572
129. Bemeisler, M. S., Fuerth. Mirrors.	569
130. Braug, Louis, Munich. Painted screen.	572
131. Baechenbacher, Sigm., Fuerth. Mirrors.	569
132. Diestelhorst, T. L., Karlsruhe. Artistic and luxurious furniture.	569
133. Dietrich-Zauner, Pauline, Frau, Munich. Rocco screen, painted on glass.	572
134. Engelhardt & Kalbrich, Elberfeld. Patterns for the painting of ceilings.	573
135. Eysser, T. A., Nuremberg. Artistic furniture.	567
136. Fahnkowitz, E. R., Berlin. Dining-room, of walnut in Dutch renaissance.	572
137. Fischer, O., Berlin. Upholstery work.	568

## Furniture, Upholstery and Artistic Decoration.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
138. Fraenkel, Gebr, Fuerth. Mirrors.	569	167. Macco, Paul, Heidelberg. Mosaic substance for furniture.	567
139. Friedrich, O. B., Dresden. Ebony table with engravings of ivory.	566	168. Marx, Emil, Fuerth. Mirrors.	569
140. Fuchs, Max, Munich. Rocco mirror.	569	169. Mayrhofer & Klemann, Passau. Metal mirrors.	569
141. Gebhardt, Fritz, Heidelberg. Artistic furniture.	567	170. Meurer & Braun, Lahr, Baden. a Mirror frames.	569
142. Geyer, Arthur, Bayreuth. Collection of Rocco frames.	569	170. Meurer & Braun, Lahr, Baden. b Picture frames.	572
143. Goldenberger, Wilhelmine, Munich. Screens, pictures.	572	171. Montglas, Graefin, Marie, Munich. Painted gobelin screen.	572
144. Grimme & Hempel, Leipsic. Diaper work and fancy panels.	570	172. Morgenthau, M., Fuerth. Mirrors.	569
145. Grisebach, Hans, Berlin. Living room of Italian walnut.	572	173. Nager, Franz & Pfeiderer, Friedrich, Munich. Painted room.	572
146. Groschkus, T., Berlin. a Furniture.	567	174. Neubauer, M., Munich. Dining-room.	572
		175. Offenbacher, Gebr, Fuerth. Mirrors.	569
		176. Offenbacher, Max, Fuerth. Mirrors.	569
147. Haeupler & Holzapfel, Stuttgart. Easel with frame.	572	177. Pecht, J. A., Konstanz. Paintings on leather.	572
148. Harrass, B., Boehlen, Thuringen and Berlin. Artistic wood work.	570	178. Perchermeier, Jos, Traunstein. Decorated chest.	572
149. Heckel, Paul, Eibenstock. Embroidered covers.	572	179. Peters, G., Berlin. Ornamental furniture.	567
150. Heilbromm, Leopold, Fuerth. Mirrors.	569	180. Petry Jakob, Neider Branbasch. Red agate writing set.	572
151. Heinze, Carl & Co., Dresden. Artistic furniture.	567	181. Pfaff, J. C., Berlin. Music salon, gentlemen's room, dining-room with outfit.	572
152. Hering, Gebre, Koenigstein, i-S. Gold and bronze mouldings for frames.	569	182. Praechtel, C., Berlin. Outfit and decoration for two rooms.	572
153. Hiebl, C. L., Berlin. Automatic chairs.	565	183. Troessel, Johann, Fuerth. Mirrors.	569
154. Hoffmann, Robert, Dresden. Furniture.	567	184. Radspieler, C. & Co., Munich. a Fancy furniture.	567
155. Hohnstein & Holweg, Fuerth. Mirrors.	569		
156. Hupp, Otto, Schleissheim-near-Munich. Painting of ceiling and upper windows. German pavilion.	571	185. Radspieler, F. & Co., Munich. a Carved doors, etc.	571
157. Kanter, David, Breslau. Luxurious furniture.	567		
158. Keller, Jakob, Nuremberg. Designs for furniture.	567	186. Rappa & Giobbe, Munich. a Mirror frame and stand.	569
159. Kempe, Antoine, Munich. Screen.	572		
160. Kirchenbauer, Ernst, Karlsruhe. Pictures.	572	186. Rappa & Giobbe, Munich. b Wall decorations, skylight.	571
161. Klein, E. O., Dresden Altstadt. Picture made of feathers.	572	187. Rathgeber, Jos., Munich. Two door wings of walnut wood with mosaics.	571
162. Kleinerz, Wilhelm, Cologne. Carved bedstead.	567	188. Reidinger, L. A., Augsburg. Figure for bay window.	571
163. Kunz, Adam, Munich. Decorated door.	571	189. Rockhausen Ernst, Waldheim. Hol-low mouldings.	570
164. Lehmann, J. L., Fuerth. Mirrors.	569	190. Roehlick, H. W., Berlin. Screens, paintings with gold frames.	572
165. Lindheimer, Philipp & Co., Frankfort-on-the-Main. Embroidered piano covers, etc.	573	191. Rosenau, Simon, Kissingen. Brice-brac, jardiniere, etc.	572
166. List, Jakob, Munich. Upholstered furniture.	567	192. Ruegnig, Ludwig & Co., Coburg. Folding furniture.	567
		193. Land, Karl, Ludwig, Frankfort-on-the-Main. Towel stand.	569
		194. Sauermann, Heinrich, Flensburg. Carved lower German living room.	572

## Furniture, Ceramics and Mosaics.

Exhibit No.	Class No.	Exhibit No.
195. Schiffmann, Frau, Direktor, Munich.		
Embroideries for the walls of the German pavilion.	573	
196. Schlesiache Holzindustrie, Gesellschaft, vorm. Ruschewegh & Schmidt, Langenols. Patent furniture.	507	
197. Schumacher, Karl, Kaiserslautern. Window shades.	574	
198. Schneller, Simon, Munich. Residence and convent drinking room in German renaissance.	572	
199. Schuster, Karl, Berlin.		
a Chairs.	565	
b Desks.	567	
200. Schwarz, Albert, Ravensburg. Embroidered curtains.	568	
201. Seidl, Gabriel, Prof. Architekt, Munich. Artistic rooms for the reception of art industrial exhibits.	572	
202. Seitz & Seidl, Tsh. Emanuel Seidl, Munich. Design of the hall of the Munich collective exhibit.	570	
203. Steinmetz, Jos., Munich. Sideboard, carved and gilded drawing-room furniture.	567	
204. Tront, C., Berlin. Stairway.	570	
205. Vogler & Kachholz, Hamburg. Diaper work.	570	
206. Voigt, Ferd, Berlin. Furniture of bronze mosaic.	576	
207. Weinert, Joh., Berlin. Wire chairs.	566	
208. Wenig, Lorens, Berchtesgaden. Furniture of cut crystal.	567	
209. Werner, Fritz P., Munich. Spring mattresses.	567	
210. Westphal & Reinhold, Berlin. Patent spring mattresses.	567	
211. Winkler, Chr. & Sohn, Fuerth. Mirrors.	569	
212. Winkler & Kuett, Fuerth. Mirrors.	569	
213. Wulff, Adolf, Bayreuth.		
a Mirror frames.	569	
b Pictures and screens.	572	
214. Zimmermann, G., Fuerth. Metal mirrors.	569	

## GROUP 91.

215. Bertram, Bernhard, Lueftelberg near Bonn.	
a Majolica vases.	575
b Faience vases.	576
216. Brach, A., Klein-Bittersdorf near Saargemünd. Hall, kitchen and side-walk flooring.	580
217. Braech, A., Berlin. Vases of burned clay.	574
218. Donath & Co., Dresden. Painted porcelain.	577

Exhibit No.	Class No.	Exhibit No.
219. Dressel, Kister & Co., Passau, Bavaria. Bric-a-brac of porcelain.	577	
220. Du Jardin, Aug., Metz. Art objects of stoneware.	575	
221. Duvignan O. & Co., Magdeburg. Majolica fireplace ornaments.	575	
222. Eckardt, A. L., Dresden. Painted porcelain.	577	
223. Ens & Greiner, Lauscha, Saxony, Meiningen. Paintings on porcelain.	577	
224. Garten, S. & Co., Neugrass Blasenwitz. China sets.	576	
225. Glatz, Joh., Willingen, Baden. Majolica.	575	
226. Goldenberger, Wilhelmine, Manich. Decorated plates.	577	
227. Guenther, Jos., Dresden. Paintings on porcelain.	577	
228. Hamann, Ad., Dresden. Miscellaneous articles of painted porcelain.	577	
229. Hanke, Reinhold, Goehr, near Coblenz. Stoneware and majolica.	575	
230. Hutschenreuther, L. M., Hohenberg, Bavaria. Table and dessert sets.	577	
231. Kaufmann, T. S., Frankfurt-on-the-Main. China articles.	576	
232. Kgl. Porzellan Manufaktur, Bazarische, Nymphenburg, near Munich. Household and fancy articles of porcelain.	577	
234. Klemm, Richard, Dresden. Painted chinaware.	576	
235. Knoeller, Louis, Dresden. Fancy articles of painted porcelain.	577	
236. Koenig, Th., Munich. Porcelain paintings, etc.	577	
237. Lambertz, Servais & Co., Ehrang, near Trier.		
a Clay plates.	574	
b Mosaic pavement, etc.	580	
238. Lindner, Bro., Waltershausen, near Gotha. Animal figures of terra cotta.	574	
239. Lonitz, Hugo & Co., Neuhausenleben, near Magdeburg.		
a Terra cotta ware.	574	
b Majolica.	575	
240. Merkelbach & Wick, Vrenzhansen, near Coblenz. Ornamented stoneware.	575	
241. Mueller, E. & A., Schwarza, Saal-baha. Fancy articles of porcelain.	577	
242. Nerbel, F., Mosbach, i-B. Majolica stoves.	575	
243. New York & Rudolstadt Pottery Co., Rudolstadt. Art porcelain.	577	
Sole agents, L. Straus & Sons, 42, 44, 46, 48 Warren St. and 116 Chambers St., New York.		
244. Porzellan Manufaktur, Kgl., Preussische, Berlin, Charlottenburg. Household and fancy articles of porcelain.		

## Marble, Stone and Metal—Monuments, Art in Metal Work.

Exhibit No.	Class No.
245. Retsch & Co., Wunsiedel. Porcelain.	577
246. Rister, A. W. Fr. vorm Dressel. Rister & Co., Schiebel-Schwarzburg, Rudolstadt. Porcelain articles.	577
246a. Royal Saxon Porcelain Manufacturers. Meissen, Saxony. Fine porcelain goods of all kinds.	
Gillman, Collamer & Co., Fifth Ave. and 30th St., New York, representatives.	
247. Schler, Franz, Munich. Paintings on porcelain, etc.	577
248. Singiger Mosaikplatten u Thonwarenfabrik Aktiengesellschaft, Singig-on-the-Rhine. Mosaic flooring.	580
249. Thallmaier, Franz X., Munich. Porcelain paintings, plates, vases, etc.	577
250. Villeroy & Boch, Merzig on the Saar. Terra cotta flower pots.	574
251. Villeroy & Boch, Metlach, Prussia. a Stoneware; majolica. b Mosaic flooring, etc.	575 580
252. Westphal, A. H., Hamburg. Majolica fire places, etc.	575
253. Ziefel, Theodor, Berlin. Porcelain paintings.	577

## GROUP 92.

254. Aktiengesellschaft fuer Mormorin distrit Kiefer, Kieferstelden. Marble basins and benches.	582
255. Beutenmüller, C., Co., Bretten. Metal wreaths and decorations for graves.	588
256. Böesmillier, Ludwig, Munich. Consoles with bust, etc.	588
257. Weigel, Anton, Munich. Marble figure.	583

## GROUP 93.

258. Aktiengesellschaft vorm H. Gladenbesk & Sohn, Friedrichshagen near Berlin. Objects of bronze, art castings.	585
259. Arndt & Markus, Berlin. Bronze articles, art castings.	585
260. Barillot, L., Berlin. Bronze statuettes.	585
261. Bayerische Bronsewarenfabrik, Nuremberg. Art bronzes.	585
262. Castner, A. Nachst, Martin & Piltz, Berlin. Art objects of metal and embossed work.	585
263. Chuehl, W., Berlin. Bronze ware.	585
264. Eisenwerk Gaggenau, Gaggenau, I-B. Art castings.	585
265. Fuerstlich Stollberg'sches Huetteneamt, Tilsenburger, a-H. Art castings in iron.	585

Exhibit No.	Class No.
266. Grohe, Gustav, Berlin. Bronze articles.	585
267. Grohmann, Emil, Berlin. Enamels.	586
268. Guiseand, Th., Berlin. Embossed articles of copper and brass.	585
269. Held, Hermann, Magdeburg. Medals and chased work.	585
270. Kaufmann, T. S., Frankfurt-on-the-Main. Enamels work.	586
271. Kehr, Leonhard & Palm, Nuremberg. Chased work.	585
272. Knott, G. B., Mannheim, Frankfurt-a-M. Bust of Emperor William I.	585
273. Krohne, Emil, Berlin. Bronze fire places, etc.	585
274. Kusterer, F. H., Augsburg. Embossed copper and brass work.	585
275. Lauer, L. Chr., Nuremberg. Medals, coins, stamped metal work.	585
276. Leyrer, Cosmes, Munich. Chased bronzes.	585
277. Mayer, Wilhelm, Stuttgart. Medals, stamped metal works.	585
278. Moebes, W., Berlin. Sets of ornaments for doors and windows.	585
279. Mulzer, E. H., Berlin. Embossed work of tinned copper.	585
280. Oertel, Otto, Berlin. Medals.	585
281. Ostermann, L., Berlin. Medals.	585
282. Peartree & Co., Berlin. Bronze articles.	585
283. Pirner & Franz, Dresden. Figures and groups of bronzes.	585
284. Rakenius, Karl & Co., Berlin. Groups, table ornaments.	585
285. Rasmussen, Otto, Berlin. Embossed and chased work.	585
286. Rohloff, Otto, Berlin. Embossed and chased work.	585
287. Schiller, Georg, Berlin. Medals.	585
288. Schirm, C. C., Berlin. Enamels mounted in metals.	586
289. Schoene, Aug. & Mueller, Dresden. Artistic articles embossed in copper.	585
290. Schulz, Otto, Berlin. Majolica articles mounted in bronze and zinc.	585
291. Seitz, H., Munich. Art objects embossed in copper.	585
292. Seitz, Tul., Freiburg i-B. Bronze reliefs.	585
293. Stehle, Alois, Munich. Small bronze statuettes.	585
294. Stotz, Paul, Stuttgart. Art objects of bronze, iron casting.	585
295. Stuebbe, A., Berlin. Enamels bronzes.	585
296. Thomas, Adolf, Berlin. Embossed and chased work.	585

## Glass and Glassware, Stained Glass, Carvings.

Exhibit No.	Class'n No.		
297. Walther, Hch., Munich.	585	Ornamental sculpture.	585
298. Wichart, T., Munich.	585	Embossed copper ware.	585
299. Wiedemann, Professor, Berlin.	585	Bronze figure.	585
300. Wolf, H., Berlin.	585	Bronze ware.	585
301. Rasmussen, Georg, Berlin.	585	Embossed portraits, chased work.	585
302. Ranch, Jos., Munich.	585	Ornamental sculpture.	585
303. Schweizer, Chr. & Soehne, Tuebeck.	586	Enamel signs.	586
304. Hertel, C. & Son, Hansa.	586	Enamels.	586
305. Kollhoff & Bantze, Berlin.	585	Fancy metal articles.	585
306. Krieger, Franz, Munich.	585	Figures.	585
307. Lampel, Joh., Munich.	585	Figures.	585
308. Marcus, Paul, Berlin.	585	Chased work.	585
309. Bruett, Ferdinand, Berlin.	585	Ornamental group.	585
310. Ehrhard & Soehne, Schwaeb, Gmuend.	585	Bronze articles.	585
311. Eisenwerke Gaggenau Aktiengesellschaft, Gaggenau, Baden.	586	Metal enamel.	586
312. Eysser, J. A., Nuremberg.	585	Forged iron railing.	585
313. Hahn, Munich.	585	Escutcheon with angels.	585

## GROUP 94.

314. Begliss Metallwaarenfabrik, Frankfurt-on-the-Main.	589	Pyramid of plate glass.	589
315. Fritzer, N., Berlin.	590	Bottles and stoppers.	590
316. Grosse, E., Berlin.	593	Marmaraceous and granitical glass.	593
317. Hermann, Rochell, Minden.	590	Bottles.	590
318. Lichtinger, Joseph, Munich.	593	Artistic glassware.	593
319. Maazer, Franz & Pfeiderer, Friedrich, Munich.	592	Painted glass chamber outfit.	592
320. Roehrig, Karl, Braunlage a-H.	589	Plate glass.	589
321. Rheinische Glashuetten-Aktiengesellschaft, Cologne-Ehrenfeld.	593	Fancy glassware.	593
322. Theresienthaler Krystallglasswaarenfabrik, Theresienthal Bavaria.	691	Wine glasses, table sets, etc.	691
323. Vittali, Otto, Offenburg i-B.	592	Etched glass.	592

Exhibit No.	Class'n No.		
324. Zitzmann, Friedrich, Wiesbaden.	592	Goblets, vases, etc.	592

## GROUP 95.

325. Auerbach & Co., M., Berlin.	596	Stained glass work.	596
326. Beiler, H., Heidelberg.	596	Stained glass work.	596
327. De Bouche, Carl, Munich.	597	Ecclesiastical stained glass work.	597
328. Drinneberg, Hans, Karlsruhe.	596	Ornamental windows.	596
329. Eissgruber, Sebastian, Nuremberg.	597	Ecclesiastical stained glass work.	597
330. Ganter, R., Berlin.	596	Stained glass work.	596
331. Geiges, Fritz, Freiburg i-B.	596	Stained glass work.	596
332. Geuer, J. J., Kempen.	597	Stained church windows.	597
333. Grosse, E., Berlin.	597	Ecclesiastical stained glass work.	597
334. Lewy, Karl, Charlottenburg.	596	Glass wall decorations.	596
335. Marcus, Max, Berlin.	596	Stained glass windows.	596
336. Mayer & Co., Munich.	597	Ecclesiastical glasswork.	597
337. Mosimann, Karl, Munich.	596	Stained glass window.	596
338. Naager, Franz & Pfeiderer, Friedrich, Munich.	596	Stained glass windows.	596
339. Oidtman, D. G. & Co., Linnich, Rhineland.	596	Stained glass work.	596
340. Scheff, Wilhelm, Offenburg.	596	Stained glass work.	596
341. Schneider, M., Regensburg.	596	Stained glass work.	596
342. Spinn, T. C. & Co., Berlin.	596	Stained glass work.	596
343. Staudinger, Alvis, Munich.	596	Stained glass work.	596
344. Van Treek, Gustav, Munich.	596	Civic stained glass work.	596
345. Ule, Karl, Munich.	596	Painted windows.	596
346. Westphal, Louis, Berlin.	596	Stained glass work.	596
347. Zettler, F. X., Munich.	597	Ecclesiastical stained glass work.	597

## GROUP 96.

348. Albertshofer, Gg., Munich.	601	Figures.	601
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## Carvings in Various Materials, Gold and Silver Ware, Etc.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
349. Barillot, L., Berlin. Ivory statuettes.	599	377. Maybach, Heinrich, Karlsruhe. Wood carvings.	598
350. Bittner, Josef, Munich. Statuettes.	601	378. New York and Rudolstadt Pottery Co., Rudolstadt. Decorated figures and vases.	608
351. Borgfeldt, T. I., Berlin. Cork carvings.	598	379. Otto, R., Berlin. a Engravings on metals.	601
352. Christ, Fritz, Munich. Group and statuettes.	601	b Engravings on gems, cameos.	602
353. Dieesel, Anton, Munich. Wood carving.	598	380. Pfahrer, Friedr., Triberg. Wood carvings.	598
354. Dittrich, Oswald O., Dresden. Wood carvings.	598	381. Prügger, M., Bogen, Munich. Figures and busts of porcelain imitation.	603
355. Drexler, Franz, Munich. Wood carving.	598	382. Rombach, Philemon, Furtwangen. Wood carvings.	598
356. Eberle, Jos, Meberlingen i-B. Wood carving.	598	383. Rosenan, Simon, Kissingen. Ivory carvings.	599
357. Fischer, Erhard, Munich. Statuettes.	601	384. Rudolph, Bernh., Stuttgart. Wood carving.	599
358. Fischer, Karl, Munich. Wood carving.	598	385. Schäuipp, Bernh., Karlsruhe. Wood carving.	598
359. Fritz, Robert, Suhl. Engravings for escutcheons.	601	386. Schauppan, Gustav, Berlin. a Metal engraving.	601
360. Grossherschogl, Badische Schnitzerschule, Furtwangen. Wood carving.	598	b Gem engraving.	602
361. Haebler, C. L., Baden-Baden. Wood carvings.	598	387. Senff, Wilhelm, Luebeck. Christ's descent from the cross (carved).	598
362. Hammer, Eduard, Berlin. Wood carving.	598	388. Steiner, S., Fuerstenfeldbruck, near Munich. Gothic altar with carved statues.	598
363. Hanneck, Gustav, Brunswick. Engravings on ivory.	599	389. Stumpf, Margaretha, Munich. Ivory carving.	599
364. Haseroth, Max, Berlin. Engravings on gems and metal.	601	390. Triebner, Miss Eckert, Volkstadt, near Rudolstadt. Porcelain figures.	577
365. Held, Hermann, Magdeburg. Metal engravings.	601	391. Van Venrooy, Otto, Rueppur, i-B. Carved frame.	598
366. Hoetzel, D., Berlin. Gem engraving.	602	392. Vogt, Leonard, Memmingen. Gothic altar of oakwood.	578
367. Kauzmann, Gebr., Gieslingen. Artistic articles of ivory.	599	393. Walch & Soehne, Berchtesgaden. Painted crystal carvings.	692
368. Keller, Moritz & Co., Berlin. Wood carving.	598	394. Wind, Joseph, Munich. Statuette.	601
369. Kister, A. W., Fr., vorm, Dressel, Kister & Co., Scheibe, Schwarzburg, Rudolstadt. Groups of bisque and porcelain.	603	395. Winker, Christian, Munich. Small figures.	601
370. Kleinerz, Wilhelm, Cologne. Carved pedestal.	598	<b>GROUP 97.</b>	
371. Klejryel, Wilh., Munich. Wood carving.	598	396. Bayerische Bronze Waarenfabrik, Nuremberg. Artistic articles of aluminum and silver.	610
372. Kounsmann, Gebr., Geislingen a-H. Wood carving.	598	397. Bertsch, L., Karlsruhe. Gold and silver ware.	604
373. Kramer, Conrad, Kampen. Carved Gothic group.	598	398. Binder, Wilhelm, Schwaeb-Gmuend. Silverware.	605
374. Kramer, Fritz, Kempen. Picture groups carved.	598	399. Deutsch, Eugen & Co., Muesbach. Aluminum ware.	610
375. Lehmann, Karl, Nuremberg. Statuette.	501	400. Drows, H., Pforshheim. Match boxes, card holders, etc.	607
376. Marcus, Paul, Berlin. Etchings of copper, brass and forged iron.	601	401. Glaser, Gebr., Hanar on the Main. Antique and modern silverware.	605
		402. Halbreiter, Adolph, Munich. a Gold and silverware.	604
		b Plated and metal ware.	611

## Gold and Silver Ware, Jewelry and Ornaments.

Exhibit No.	Class'n No.
93. Harrach, F., & Sohn, Munich. Silverware.	606
94. Heiden, Theodor, Munich. Gold and silverware.	604
95. Hertel, C., & Son, Hansau. Gold and silverware.	604
96. Kissling, Chr., Hanau. Gold boxes, etc.	607
97. Hein., F. W., Pforshheim. Fancy articles in silver.	607
98. Kolhof & B. Sttze, Berlin. Fancy metal ware.	608
99. Kugelmann, David, Kissingen. Antique silverware.	606
10. Leyrer, Cosmos, Munich. Fancy silver articles.	607
11. Mayer, Martin, Mayence. Fancy articles in silver filigree, corals and gems.	607
12. Neresheimer, P. & Soehne, Hanau. Embossed work.	608
13. Ochs & Bann, Hanau. Silver buttons, watch guards and bracelets.	607
14. Ott & Co., Hanau. Silverware.	612
15. Paar, Ludw., Nathf. L., Bertsch, Karlsruhe. Gold and silver work.	604
16. Rosenau Simin, Kissengen. Silver and gold ware.	604
17. Rothmueller, K., Munich. Gold and silver articles.	604
18. Schallmayer, Theodor, Munich. a Goblets, cups, table ware.	606
b Fancy articles.	607
9. Schleissner, T. D., Soehne, Hanau. Embossed art work.	608
0. Schuermann E. & Co., Frankfurt-on-the-Main. Fancy silver articles.	607
1. Soergel & Stollmeyer, Schwalbgenueend. Silver thimbles.	607
2. Stadler, Nicholas, Munich. a Silver pot.	605
b Silver jewel box.	607
3. Steinheuer & Co., Hanau. Silver chains.	607
4. Suedes, Paul, Pforshheim. Fancy articles in silver.	607
5. Thomas, Arnim & Co., Berlin. Fancy articles of gold and silver filigree.	604
6. Truebner, N., Heidelberg. Embossed silver vessels.	605
7. Wimmer & Rieth, Pforshheim. Fancy silver articles.	607
8. Winterhalter, Karl, Munich. Gold ware.	604
9. Wolleweber, Eduard, Munich. Goblets, coffee and tea sets, etc.	604
0. Zimmermann, E. G., Hanau. Artistic silverware.	604

## GROUP 98.

Exhibit No.	Class'n No.
431. Blacake, Max, Berlin. Diadems, brooches, etc.	612
432. Blum, Karl, Munich. Gold and silver ornaments.	612
433. Bornett, Karl, Pforshheim. Jewelry.	612
434. Breitenbarch, Karl, Birkenfeld, a-d N. Cut cameos.	614
435. Dillehaus, Karl, Pforshheim. Jewelry.	612
436. Doeppenschnitt, Ph., Pforshheim. Filigree jewelry.	612
437. Dreher, August, Hettstein. Engraved agates.	614
438. Fiessler, Louis & Co., Pforshheim. Gold and silver chains.	612
439. Fillmann, August, Obertiefenbach. Agate, jasper, etc.	614
440. Gauss, Gebr., Pforshheim. Chains, lockets and buttons.	612
441. Grossmann, Ludwig, Pforshheim. Gold rings.	612
442. Grubenir, A., Hanau. Jewelry.	612
443. Hadler, Nicholas, Munich. Jewels.	613
444. Hauber, Gustav, Schwab-Gmuend. Chains, lockets, etc.	612
445. Heim, F. W., Pforshheim. Onyx.	614
446. Hertel, C., & Sohn, Hanau. Jewelry.	612
447. Heymans, H., Danzig. Ornaments, etc., of amber.	614
448. Hirschmann & Koch, Pforshheim. Jewelry.	612
449. Houy, Philipp, Oberstein. a Ornaments of gems.	612
b Ornaments of agate.	614
450. Kahn, T. S., Pforshheim. Cuff buttons and chains.	612
451. Katz, Emil, Pforshheim. a Automatic jewelry.	612
b Mounted doublets.	615
452. Kiehnle, August, Pforshheim. Jewelry.	612
453. Keller, Ph., K. F., Sohn, Oberstein. a Jewelry.	612
b Agate ornaments.	614
454. Klippel, Friederich, Oberstein. a Real gems.	613
b Imitation stones.	615
455. Krauth, Peter, Hettstein. Agates.	614
456. Kreuter, Fr., & Co., Hanau. Jewelry.	612
457. Kronk, Fredrich, Pforshheim. Neck chains.	612
458. Kuhnle, Gebr., Pforshheim. Jewelry.	612
459. Kuppenheim, Louis, Pforshheim. Jewelry.	612
460. Kur-Schuettner, C., Hanau. Jewelry.	612

## Jewelry and Ornaments, Watches, Clocks, Etc.

Exhibit No.	Class'n No.	
461. Lange, Martin, Berlin.	Artificial	
	615	diamonds and pearls.
462. Laner & Binder, Pforstheim.	Enam-	
	612	eled jewelry.
463. Levin, Gebr., Brunswick.	Plated	
	616	jewelry.
464. Mania, F., Pforstheim.	Gold rings.	612
465. Mayer, Martin, Mayence.		
	612	a Silver filigree, etc.
	613	b Gems.
466. Merk, Gg. Jnh Paul Merk, Munich.	Jewelry.	612
467. Ochs & Bahn, Hanau.		
	612	a Gold ornaments.
	615	b Doublets.
468. Ott & Co., Hanau.	Jewelry.	612
469. Pegan, Adolf, Pforstheim.	Jewelry.	612
470. Peine, Eduard & Co., Hamburg.		
	613	a Cut buttons of gold and pearl.
471. Petry, Jakob, Nieder Brannbach.	Red	
	614	agate seals.
472. Pomtlen, A., Pforstheim.	Jewelry.	612
473. Rhein & Co., Gr. Anheim.	Figures.	585
474. Roessle, G., Pforstheim.	Gold chains.	612
475. Schuetz, Friedr., Hanau.		
	612	a Jewelry.
	613	b Gems.
476. Schuetz, Heinrich, Pforstheim.	Jew-	
	612	elry.
477. Schulz, Johann, Geo., Birkenfeld.		
	614	a Cut cameos.
478. Soergel & Stollmeyer, Schwalb-		
	612	Gmuend.
	616	a Gold thimbles.
	616	b Imitation metal thimbles.
479. Steinheuer & Co., Hanau.		
	612	a Gold chains.
	616	b Gilt chains.
480. Thiele & Steinert, Berlin.	Gold and	
	616	silver wire, military trummings, etc.
481. Thomas, Armin & Co., Berlin.	Gold	
	612	and silver filigree ornaments.
482. Unter Ecker, Ernst, Pforstheim.	Jewelry.	612
483. Wense, Rudolf, Oberstein.	Agate	
	614	and stone ornaments.
484. Wild & Co., Pforstheim.	Jewelry.	612
485. Wimmer & Rieth, Pforstheim.	Jew-	
	612	elry.
486. Winter, Ed. & Co., Pforstheim.	Fine	
	612	jewelry.
487. Wittum, Albert, Pforstheim.	Gold	
	612	crosses.
488. Woehler, Ed., Schwalb-Gmuend.		
	612	a Jewelry.
	614	b Corals.
	616	c Imitations.

Exhibit No.	Class'n No.	
489. Zerrenner, F., Pforstheim.	Bracelets	
	612	and brooches.
490. Zieher, Ottmar, Schwalb-Gmuend.	Jewelry.	612
491. Zausmer, A., Dansig.	Agate, amber	
	614	and cat's-eye ornaments.

## GROUP 92.

492. Artzold & Popitz, Leipsic.	Clocks.	621
493. Beha, Joh. B., & Soehne, Giesnach.	Cuckoo and musical clocks.	621
494. Berger, Walter & Co., Goerz-		
	brueck, Lorraine.	618
	Watch glasses.	618
495. Bradel, Jacob, Muebch, Rocco clock.		621
496. Conti, Alfred, Berlin.	Clocks with	
	advertising columns and signal system.	621
497. Dick, Friedrich, Esslingen.	Tools	
	for watch-makers, etc.	620
498. Duerrstein & Co., Dresden.		
	a Watches.	617
	b Novelities in works.	618
	c Decorated cases.	619
	d Decorated clocks.	621
499. Eberle, J. N., & Co., Augsburg.		
	a Watch-makers tools.	620
	b Clock springs.	622
500. Ette & Mischke, Berlin.	Clocks.	621
501. Furtwaengler, L. Soehne, Fort-		
	wangen. Clocks.	621
502. Hahn, Theodor, Stuttgart.	Clocks for	
	watchmen.	621
503. Haller, Thomas, Schwenningen.	Clocks.	621
504. Hoefler, Jos., in Firma Maurer &		
	Hoefler, Eisenbach. Wall clocks.	621
505. Jahresuhren Fabrik, Aktiengesell-		
	schaft, Triberg. Clocks.	621
506. Jagemann, J., Munich.	Clocks.	621
507. Junghals, Gebr., Schramberg.		
	Clocks.	621
508. Kleinerz, Wilhelm, Cologne.	Clock.	621
509. Kronklauer, Jos., Munich.	Clock	
	cases.	622
510. Lange, A., & Soehne, Gleshuette.		
	a Watches.	617
	b Works.	618
	c Parts of cases.	619
511. Mauthe, Friedr., Schwenningen.		
	"Black Forest" clocks.	621
512. Peters, Fr., Berlin.		
	a Clocks.	621
	b Dial for the tower clock of the	
	German Building.	622
513. Peters, G., Berlin.	Clocks.	621
514. Pfahrer, Friedr., Triberg.	Carved	
	clocks.	621

## Silk and Silk Fabrics, Yarns and Woven Goods of Cotton, Linen, Etc.

Exhibit No.	Class'n No.
515. <b>Pleissner, Robert, Dresden.</b>	
<i>a</i> Watches.	617
<i>b</i> Wall and stand clocks.	621
516. <b>Rappa &amp; Giobbe, Munich.</b>	Clock case. 622
517. <b>Rochlitz, C. F. Grossuhrenfabrik, Inh. Heinrich Ernst, Berlin.</b>	Tower clock for the German Building. 621
518. <b>Schneckenburger, R., Muchlsheim-on-the Danube.</b>	Wall clocks. 621
519. <b>Schweizer, Chr., &amp; Soehne, Lubeck.</b>	Enamel dials. 622
520. <b>Schweyer, C. W., Munich.</b>	Clocks. 621
521. <b>Schweizer, J. C., Munich.</b>	Clock. 621
522. <b>Schwer, August, Triberg.</b>	Decorated clocks. 621
523. <b>Soefner, Hermann, Munich.</b>	Rococo clock, wall clock. 621
524. <b>Speckhardt, Gustav, &amp; Marfels, Carl, Moegeldorf, Frankfurt-on-the-Main.</b>	Ober-Ammergau clock. 621
525. <b>Wehrle, Emilian, Furtwangen.</b>	Wall clocks. 621
526. <b>Werner, C., Villingen.</b>	Clocks. 621
527. <b>Wilde, Gebr., Villingen.</b>	Clocks. 621
528. <b>Wildenauer, F. X., Munich.</b>	Clocks. 621
529. <b>Winterhalder &amp; Hofmeier, Neustadt.</b>	Clocks striking quarter hours. 621
530. <b>Woelfl, Hermann, Konstanz.</b>	Luminous dials for clocks. 622

## GROUP 100.

1. <b>Andiger &amp; Meyer, Crefeld.</b>	Silks for scarfs. 630
2. <b>Bacher &amp; Leon, Berlin.</b>	Trimmings for cloaks and dresses. 632
3. <b>Beysner, Arthur, &amp; Co., Crefeld.</b>	Silk scarfs. 630
4. <b>Corty, Edm., &amp; Co., Crefeld.</b>	<i>a</i> Silks for dresses. 629 <i>b</i> Silks for scarfs. 630
5. <b>De Greiff, M. &amp; Co., Crefeld.</b>	Silk velvets and plush. 630
6. <b>Ebener, Jos., &amp; Co., Munich.</b>	Brocade and damask for upholstery. 629
7. <b>Essrales &amp; Hätry, Saargemuend.</b>	Velvets and plush. 630
8. <b>Huber, Emile &amp; Co., Saargemund.</b>	Silk velvets and plush. 630
9. <b>Koenigs, Carl, &amp; Co., Crefeld</b>	<i>a</i> Spun silk. 627 <i>b</i> Plain silks. 628 <i>c</i> Figured silks. 629 <i>d</i> Silks for scarfs. 630
10. <b>Krahn &amp; Gobbers, Crefeld.</b>	<i>a</i> Plain silks. 628 <i>b</i> Figured silks. 629 <i>c</i> Ribbons. 631

Exhibit No.	Class'n No.
541. <b>Reimann &amp; Meyer, Elberfeld.</b>	Mat-lasse and silk. 630
542. <b>Reiss, Carl, Crefeld.</b>	Figured silk. 629
543. <b>Rudolf &amp; Georgi, Eibenstock.</b>	Passementerie. 632
544. <b>Scheibler &amp; Co., Crefeld.</b>	<i>a</i> Silk velvets and plushes. 630 <i>b</i> Silk velvet ribbons. 631
545. <b>Schoppen &amp; ter Meer, Crefeld.</b>	<i>a</i> Spun silk. 627 <i>b</i> Silk for parasols and umbrellas. 629
546. <b>Schroeder, Wm., &amp; Co., Crefeld.</b>	<i>a</i> Raw silk, tram silk, etc. 625 <i>b</i> Silk for scarfs and lining. 628 <i>c</i> Silk for dresses. 629
547. <b>Schubart, Emil, Eibenstock.</b>	Passementerie. 632
548. <b>Schwartz, R. &amp; Co., Crefeld.</b>	<i>a</i> Velvets for furniture, etc. 630 <i>b</i> Silk velvet ribbons. 631
549. <b>Troll &amp; Uhlmann, Eibenstock.</b>	Passementerie. 632
550. <b>Vom Bruck, H. Soehne, Crefeld.</b>	<i>a</i> Silk velvets and plush. 630 <i>b</i> Ribbons. 631

## GROUP 101.

551. <b>Geisberg, Franz, Alt-Chemnitz.</b>	Printed fabrics. 633
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## GROUP 102.

552. <b>Arno &amp; Moritz Meister, Chemnitz.</b>	Cotton yarns. 638
553. <b>Birmes, E., Crefeld.</b>	Cotton yarns. 638
554. <b>Buntweberei, vorm Herm. Wuensche Ebersbach.</b>	Mixtures of cotton. 638
555. <b>Burghardt, C. E., Lauban Silesia.</b>	Bleached linen handkerchiefs. 639
556. <b>Coblentz, Ad., Augsburg.</b>	Cotton yarn. 638
557. <b>Dick &amp; Schreiter, Schoeneck i-V.</b>	Embroidered linen table cloths, towels, napkins, etc. 639
558. <b>Dierig, Christian, Oberlangenbielau.</b>	<i>a</i> Cotton goods. 638 <i>b</i> Half-linen fabrics. 639
Weaving, spinning, bleaching, dyeing, finishing of cotton and mixed linen goods. Specialties: ginghams and bedticks in all sorts and qualities.	
559. <b>Fleischer, T., Plauen Saxony.</b>	Muslins, gauze, tarlatans. 638
560. <b>Fraenkel, S., Neustadt Silesia.</b>	Linen fabrics. 639
561. <b>Froehlich &amp; Wolff, Cassel.</b>	Canvas. 638
562. <b>Giehler, Johann, Chemnitz.</b>	Cotton goods. 638

## Woven and Felted Goods of Wool and Mixtures of Wool.

Exhibit No.	Class'n No.
563. Goschenhofer & Roesecke, Berlin. Copy of the linen outfit of Princess Margaritha of Prussia.	639
564. Geisberg, Franz, Alt Chemnitz. a Printed cotton fabrics.	638
b Printed linen fabrics.	639
565. Grosse, J. G., Kuhnewalde a Cotton goods.	638
b Linen textures.	639
566. Grossmann, C. G., Grossrochrsdorf. a Cotton goods.	638
b Linen fabrics.	639
567. Gutmann, K. & A., Munich. Linen table sets.	639
568. Hirsch, Louis, Gera. Dyed and bleached articles.	638
569. Kgl. Muster-Kloeppielschule, Schneeberg-Saxony. Handkerchiefs, etc.	639
570. Langheinrich, Georg, Schlitz-Hessia. Table cloths, napkins and towels.	639
571. Meinhold & Sohn, Rauen i-V. Mull.	638
572. Muehlinghaus & Wuefing, M-Gladbach. Bleached and dyed printed cotton goods.	638
573. Reimann & Meyer, Eiberfeld. Pique for vests.	638
574. Websky, Hartmann & Wiesen, Wuestewaltersdorf. Table covers, towels, linen embroidery, etc.	639
575. Weindler Wilk & Co., Panen, i-V. Handkerchiefs.	639
576. Wuensche, F. Aug., & Co., Loeban. Linen.	639

## GROUP 103.

577. Arnold, Freederich, Greiz. Woolen texture for dresses.	641
578. Boeddinghaus, Wilhelm, & Co., Eiberfeld. a Dress goods.	641
b Trimmings, etc.	647
579. Boessneck, Broesel, & Co., New York. Dress goods.	641
580. Boessneck, Ernst, Glauchau. Dress goods.	641
581. Boessneck, Otto, & Co., Glauchau. a Novelities in dress goods.	641
b Trimmings.	647
582. Buntweberei, vorm Hermn, Wuensche, Ebersbach. Linen and woolen mixed goods.	644
583. Caspar, Carl, Freiberg-Saxony. Woolen fancy goods.	647
584. Caspari, J. F., Grossenhain. Woolen goods.	641
585. Doerffel, C. J., Soehne, Eibenstock. Dress trimmings.	647

Exhibit No.	Class'n No.
586. Fischer, F. A., Trueben. Woolen goods.	641
587. Gaebler, Theodor, Munich. Smyrna carpet.	649
588. Giesberg, Franz, Alt Chemnitz. Mohair plush.	646
589. Giehler, Johann, Chemnitz. Mixed silk and wool fabrics.	644
590. Grimm & Albrecht, Crimmitschan Saxony. Novelities in summer cloth.	644
591. Hempel, N., Reichenbach, i-V. Wool and silk goods.	644
592. Hoenigsberger, J. C. & Co., Munich. Spun horse hair.	651
593. Hopf & Merkel, Mylan i-V. a Dress goods.	641
b Shawls.	642
594. Hupfer, Gebr., Werdau. Woolen goods.	641
595. Hupfer, Rudolph, Werdau. Woolen texture.	641
596. Jahn, F. A., Mylau i-V. Woolen textures.	641
597. Kammgarncspinnerei Gautsch, Gautsch near Leipsic. Yarns.	640
598. Kammgarncspinnerei Meerane, Meerane. Raw and colored yarns.	640
599. Keller & Sohn, Reichenbach i-V. a Dress goods.	641
b Cashmeres.	643
600. Kesselkaul, J. H., Eunkel, Aachen. Woolen and worsted textures.	640
601. Koch, Gebr., Lausigk. Plushes of mohair and wool.	646
602. Kock & te Kock, Oelsnitz, i-v. Carpets.	649
Furniture coverings, mohair saddle bags, curtains and carpets. Axminster carpets 5 yards wide, seamless. Employ 900 hands. Keep stock in London and Paris. Premiums, Antwerp, 1886; Munich, 1888.	
603. Koenigsberger, T. C. & Co., Munich. Spun horse hair.	651
604. Kreutziger & Heuke, Leutersdorf. Cotton and half wool textures.	644
605. Langer, Gotthief, Reichenbrand. a Woolen goods.	641
b Shawls, etc.	642
606. Meinhold & Sohn, Plauen i-V. a Fancy wool goods.	641
b Upholstery goods.	646
607. Merkel, Moritz, Mylau, i-V. Dress goods.	641
608. Paatz, F., Berlin. a Traveling plaids, etc.	642
b Upholstery goods.	646
c Carpets.	649
609. Paul, D. F., Langenfeld, i-V. Plain cloth.	641

## Woven and Felted Goods of Wool, Clothing and Costumes.

Exhibit No.	Class'n No.
10. Paulig, Friedr., Grunberg. Samples of wool cloth.	641
11. Pongs & Koensgen, M-Gladbach. Worsted goods.	643
12. Preivisch, C. A., Reichenau, Saxony. a Dress goods of wool.	641
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13. Prietsch, Oskar, Kottbus. Carpets.	649
14. Reimann & Meyer, Elberfeld. Wool goods.	640
15. Roeckel & Thleme, Reichenbach-I-V. Dress goods.	641
16. Sammt, Benno & Co., Berlin. Wool and silk shawls, etc.	642
17. Schloder, Otto, Munich. Wool goods.	641
18. Schlottmann & Co., Berlin. Shawls.	642
19. Schmieder, C. F. & Co., Meerane. a Woolen goods.	641
b Worsted goods.	643
20. Schreiber, Gust., Dresden. Artistic trimmings.	647
21. Sonntag & Loescher, Netzschkau-I-V. Cotton and wool textures.	644
22. Speisen & Co., Nuremberg. Braids, aces, fringes, etc.	647
23. Spengler, Gebr., Crimmitschau, Saxony. Worsted goods.	643
24. Stoehr & Co., Lepsic, Kleinzschoher. Worsted yarn.	640
25. Troff & Uhlmann, Eibenstock. Embroidered shawls.	642
26. Ulrich, Otto, Werdan. a Worsted fabrics.	640
b All wool goods.	641
27. Winkler & Sohn, Rochlitz. Woolen fabrics.	641
28. Wurzenner Teppich and Velour fabriken, Berlin. Carpets, etc.	649
29. Zachille, Gebr., Grossenhain. All wool goods.	641

## GROUP 104.

Schlottmann & Co., Berlin. Women's and children's wearing apparel.	657
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Beck, G. C., Hohenstein. Hosiery.	657
Bender, Paul, i. F. A. Bender, Halle-the-Saale. "Reform" shoes.	656
Bluth, Oskar, Berlin. Hats and caps.	654
Cohn, L., Johannegeorgenstadt, Saxony. Leather and kid gloves, etc.	657
Conradi & Friedemann, Limbach. Silk, wool and cotton underwear.	657

Exhibit No.	Class'n No.
637. Doehner, A., Chemnitz, Saxony. Hosiery.	657
638. Eckhardt, Louis, Homburg v. d. Hoche. Boots, shoes, etc.	656
639. Eisenstuck, J. M., Chemnitz. Hosiery in cotton, wool, silk, etc.	657
640. Esche, Moritz, Saml., Chemnitz. All kinds of hosiery.	657
641. Faust, D., Berlin. Modern riding dresses.	653
642. Funken, Gebr., Aachen. Sewing-machine needles.	659
643. Gnauck, Eduard, Chemnitz. All kinds of glove textures.	657
644. Gulden, Heinrich, Chemnitz. All kinds of gloves.	657
645. Hecker, Gottlieb, & Soehne, Chemnitz. All kinds of hosiery.	657
646. Herfurth, Gebrueder, Chemnitz. All kinds of hosiery and gloves.	657
647. Hillig, Louis, Oberlungwitz, Saxony. Hosiery.	657
648. Janssen, William, Chemnitz. Underwear.	657
649. Kirchessen, Friedrich, Chemnitz. Fancy hosiery and woven gloves.	657
650. Kuerth, Edmund, Geringswalde. Children's hosiery.	657
651. Kuehnert, Wachter & Neldner, Chemnitz. All kinds of hosiery.	657
652. Kummer & Oppelt, Chemnitz. Gloves and hosiery.	657
653. Liebeskind, Rudolph, Chemnitz. Gloves and hosiery.	657
654. Lindheimer, Philipp & Co., Frankfurt-on-the-Main. a Embroidered caps.	654
b Embroidery for slippers.	656
655. Loeb, Gebrueder, Stuttgart. Underwear.	657
656. Lotz, Chr. Soehne, Kaiserslautern. Shoes with wooden soles.	656
657. Ludwig, Maier & Co., Stuttgart. Woven underwear.	657
658. Mai, L. & M., Frankfurt-on-the-Main. Trimmed straw hats.	654
659. Mayser's Hutmanufaktur Aktiengesellschaft, Ulm-on-the-Danube. Collection of felt hats.	654
660. Muehlinghaus, C., Pet. Joh. Sohn, Lennep. Woven goods and underwear.	657
661. Myrow, Waldermar, Berlin. Feather hats for ladies.	654
662. Neustadt & Neumann, Breslau-Silesia. Hosiery.	657
663. Preibisch, C. A., Reichenau, Saxony. Gentlemen's outfits.	652
664. Roeckel, J., Munich. Leather glove-	657

## Clothing, Costumes, Furs, Laces, Embroideries, Etc.

Exhibit No.	Class'n No.
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Straw hats.	654
666. Schloder, Otto, Munich. Tyrolean tourist costumes.	653
667. Schuetz, Rudolph, Herzogenrath, near Aachen. Sewing machine needles.	659
668. Seifert & Kloeber, Maila-Bavaria. Boots.	656
669. Staerker, Hermann, Chemnitz. All kinds of hosiery.	657
670. Vieweg, Albert, Chemnitz. Woollen gloves and hosiery.	657
671. Vieweg, Robert, Lichtenstein, Callenberg. Silk and cotton hosiery.	657
672. Weissbach, Felix, Glauchau. Folding hats.	654
673. Wex & Soehne, Chemnitz. All kinds of hosiery.	657
674. Wilke, C. G., Guben. Felt hats.	654
675. Winzer & Wecker, Chemnitz. Hosiery.	657
676. Woller, Fried. Chreg, Stollberg, i-Erzgebirge. Hosiery and underwear.	657
677. Wolf & Gierserfeld, Berlin. Gentlemen's linen.	658
678. Women Nurses in Germany. Costumes.	653

## GROUP 105.

679. Fischer, F., & Co., Offenbach, Baden. Hair leggings.	662
680. Myrow, Waldemar, Berlin. Feather boas.	662
681. Spengler, Carl, Crimmitschau-Saxony. Buckskin clothing.	662

## GROUP 106.

682. Apitzsch, Louis, Plauen i-V. Embroideries.	665
683. Apitzsch, Otto, Dresden. Crochet work.	665
684. Augsburg, Amalie, Dresden. Fans of swansdown.	667
685. Beck, Ludwig, Munich. Lace work.	664
686. Bergmann, Fritz, Plauen i-V. a Laces.	664
b Embroidered curtains, etc.	655
687. Berkling, Wilhelm, Plauen i-V. a Net and silk laces.	664
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688. Beyer, Paul, Dresden. Silk fans.	667
689. Bitterlich, Albert, Kaufbeuren. Artistic fan.	667
690. Claus, Otto, Schneeberg. a Drawn lace.	664
b Lace fans mounted in silver.	667
c Drawing for bobbin work.	669

Exhibit No.	Class'n No.
691. Biersch & Schmidt, Eibenstock. a Beaded lace.	664
b Beads, etc.	665
692. Deisz, Ad, Munich. Linen embroideries.	665
693. Doerffel, C. G., Soehne, Eibenstock. a Lace curtains and laces.	664
b Embroideries.	665
694. Donhauer, Ludwig, Neuenburg vorm Wald. Artificial flowers.	666
695. Eckhardt, Albert, Berlin. Silk fans.	667
696. Eichhorn, C.R., Plauen i-V. Laces.	664
697. Franz & Ulrich, Plauen i-V. Curtains, etc.	664
698. Gardinenfabrik Plauen, Aktiengesellschaft, Plauen i-V. English lace curtains.	664
699. Gebhardt, Karl, Munich. Gobelin tapestries.	670
700. Glöckner, Marie, Dresden. Silk fans.	667
701. Gutman, K. & A., Munich. a Embroidery and needlework.	669
b Gobelin tapestry.	670
702. Hacker, Bertha, Dresden. Fans mounted with pearl and ebony.	667
703. Heitsch, Clara, Dresden. Fan with oil painting.	667
704. Hempel & Schwerin, Berlin. Tapestry, etc.	671
705. Hermann, Paul, Dresden. Fans of swansdown.	667
706. Herold, Friedr., Schwabach, Bavaria. Needles.	668
707. Hildebrandt, Fr. Wilh., Hosterwitz. Silk fans.	667
708. Hirschberg, M., & Co., Eibenstock. Embroideries.	666
709. Jahn, G. A., Plauen i-V. Hand and machine embroideries.	665
710. Kempe, Antoine, Munich. Gobelin tapestries.	670
711. Kgl., Muster, Kloppeleschule, Schneeberg-Saxony. a Laces.	664
b Fans.	667
712. Klein, E. O., Dresden-Alstadt. Artificial feathers and flowers.	668
713. Klein & Klauder, Dessau. Crochet buttons.	668
714. Klemm & Steger, Plauen i-V. Embroidered laces.	665
715. Kretzschmar, Otto, Loschwitz. Silk fan.	667
716. Kropf, Louise, Munich. Embroidered articles.	669
717. Krueger, C., Berlin. Specimens of embroidery, etc.	669

## Laces, Embroideries, Trimmings, Hair Work, Coiffures, Etc.

Exhibit No.	Class'n No.
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19. Lipmann, Rich., Plauen, Saxony. Silk fans.	667
20. Lossow, Mina, Frau, Munich. Gold and silver embroideries.	669
21. Ludwig, Max, Eibenstock. Tulle curtains, etc.	664
22. Mammen, F. A., & Co., Plauen i-V. Laces, curtains, etc.	664
23. Mebert, C., Rich., Dresden. Painted fans.	667
24. Mebert, Karl, Richard, Dresden. Gobelin tapestry.	670
25. Mohr, Josephine, Frau, Munich. Embroidered society banner.	669
26. Mueller, sen., Plauen i-V. Hand embroideries.	669
27. Mueller, Woldemar, Dresden. Painted fans.	667
28. Neubauer, Robert Nachf., Plauen i-V. Laces of cotton, wool and silk.	664
29. Noack, Helene, Dresden. Painted fans.	667
30. Nobis, J. H. & Tissen, Aachen. Pyramid of needles.	668
31. Noether, Adolph, Dresden. Fans of swansdown.	667
32. Oschatz Adam sul, Sohn, Schoenheide. a Laces.	664
b Embroideries in silk, beads, etc.	665
33. Oslander'sche Kunststickerei, Anhalt, Ravensburg. Artistic embroideries.	669
34. Pausch & Koch, Nuremberg. Passementerie.	668
35. Perty, Crescentia, Munich. Linen mbroideries.	665
36. Preissler, Paul, Dresden. Painted ans.	667
37. Putz, Olga, Frau, Munich. a Laces.	664
b Embroideries.	665
38. Rehm, Paul, Dresden. Silk fan.	667
39. Rieler & Co., Freiburg i-B. Buttons and beads.	668
40. Ripberger, M. C., Dresden. Artistic mbroidery.	669
41. Schels, Sophie, Munich. Embroider-s.	669
42. Schiffmann, Max, Theod., Munich. mbroideries.	665
43. Schindler, Gebr., Plauen i-V. Hadn and machine embroidery.	665
44. Schmidt, Max, Walth, Dresden. Silk n.	667
45. Schneider, Rudolph, Schwarzenberg. lk fan.	667

Exhibit No.	Class'n No.
746. Schrage & Roessing, Plauen i-V. Embroideries.	665
747. Schubart, Emil, Eibenstock. Embroidered trimmings.	665
748. Schudt, Joh. Ludwig, Leipsic. Gobelin tapestry.	670
749. Schwanemeyer, Carl, Taerlohn. Needles, knitting needles, safety pins, etc.	668
750. Siegel, Ludwig, Ulm-on-the-Danube. Linen embroideries.	665
751. Speierer, Otto, Buehl-Baden. Brides' wreaths, communion wreaths, etc.	666
752. Spring Steel M'fg Co., Cassel. Cor-set steels.	668
753. Stirl, Walther, Loschwitz. Fans of swansdown.	667
754. Stoeffler, Wilh., Pforstheim. Fans.	667
755. Thiemt, A., Hellendorf. All kinds of fastenings for gloves and shoes.	668
756. Troeger & Co., Plauen i-V. Open work embroidery.	665
757. Van Hees, G. A., Munich. Gobelin tapestry.	670
758. Voigt, Georg Martin, Dresden. Fans.	667
759. Von Kessel-Zeutsch, Raake. Gauze and silk fans.	667
760. Weihrauch, Fraulein Louise, Munich. Embroidered covers.	665
761. Weindler, Wilh., & Co., Plauen i-V. Silk and cotton laces.	664
762. Weishaupt, Frau Henriette, Munich i-V. Linen embroideries.	665
763. Wuensche, F. Aug., & Co., Laeban. Buttons.	668
764. Zimmermann, Frau, Munich. Pin cushion.	668

## GROUP 107.

765. Blaesker, Max, Berlin. Hair ornaments.	672
766. Flammang, Ed., & Co., Schoenheide, Saxony. Brushes of all kinds.	675
767. Florheim, F., & Sohn, Apolda near Leipsic. Tied tufts of hair.	678
768. Fuchs, Joh., Wally, Nuremberg. Wire brushes.	675
769. Kraenlein, Emil, Erlangen. Brushes.	675
770. Kronk, Friedrich, Pforstheim. Hair ornaments.	672
771. Mahr, Gebr., Naumberg-on-the-Saale. Combs and brushes.	675
772. Pensberger & Co., Manich. Brushes.	675
773. Wagner, V., Nuremberg. Comb.	675
774. Zerrenner, J., Pforstheim. Combs.	675

## Traveling Equipments, Rubber Goods, Toys and Fancy Articles.

## GROUP 108.

Exhibit No.	Class's No.
775. Attenkofer, Paul, Munich. Albums, money boxes of leather and parchment.	680
776. Conrad, Oscar, Berlin. Cowhide traveling trunk.	679
777. Haack, Max Adolf, Leipsic. Leather goods.	680
778. Hahn, Kurd, Berlin. Military tent.	676
779. Hochstaedter & Bergmann, Frankfurt-on-the-Main. Decorated leather goods.	680
780. Huesmert & Co., Wald Rhineland. Satchel straps, plaid holders, etc.	677
781. Hulbe, Georg, Berlin and Hamburg. Leather articles.	680
782. Hulbe, Georg, Hamburg. Leather goods.	680
783. Kretschmar, Wilh., Karlsruhl. Embroidered parasol.	682
784. Ludwig & Co., Coburg. Bamboo and cane trunk.	679
785. Ruenig, Ludwig & Co., Coburg. Trunk.	679
786. Sonnentel & Kloppke, Berlin. Albums and leather goods.	680
787. Stoeffler, Wilh., Pforshiem. Purses, etc.	680
788. Stromeyer & Co., Konstanz. Military tent.	676
789. Weinzierl, Franz Xavier, Munich. Artistic Gothic chest, etc.	680

## GROUP 109.

790. Bender, Paul, i. F. A. Bender, Halle-on-the-Saale. Elastic and waterproof shoes.	683
791. M. Helaher, Ad., Duesseldorf. Celluloid.	
792. Papierfabrik Sondern, Sondern i-W. Celluloid.	
793. Metzeler & Co., Munich. Balls for atomizers.	686
794. Peinn, Phil., Leipsic-Plagwitz. Surgical articles, etc., of rubber.	687
795. Ploehn, R., Radellibuel-Dresden. Rubber goods, etc.	687
796. Sachs, Conrad, Eppstein i-Tannus. Celluloid powder boxes.	686
797. Schwanitz, Carl, Berlin. Fire hose, belting, etc.	689
798. Steinbach & Co., Malmady-Prussia. Celluloid.	
799. Wickel, H., Halle-on-the-Saale. Celluloid massage articles, etc.	687

## GROUP 110.

Exhibit No.	Class's No.
800. Alt & Koch, Ohrdruff-Th. Toys.	698
801. Arnold, M. Oscar, Neustadt near Koburg. Dolls, etc.	698
802. Baum, G., & Co., Berlin. Photograph albums.	695
803. Bayerisches, Gerverhemuseum, Nuremberg. Nuremberg toys.	698
804. Alt, Beck & Gottschalk, Nauendorf i-Th. Toys and dolls.	699
805. Betzler, Daniel, Aalen-Wurtemberg. Artistic case.	695
806. Brahme, J. R., Nieder-Schoenhausen. House mottoes.	695
807. Braun & Schneider, Munich. Munich toy pictures.	699
808. Craemer & Héeron, Sonneberg. Dolls and toys.	699
809. Dammhorn, Max, Nuremberg. Musical and other toys.	698
810. Dressel, Cuno & Otto, Nuremberg. Dolls, toys, etc.	698
811. Dressel, Wihl., Nuremberg. Dolls and toys.	698
812. Fleischmann A. & Craemer, Nuremberg. Toys, dolls, etc.	698
813. Fleischmann, Ed & Soehne, Sonneberg. Dolls and toys.	695
814. Fleischmann, Gebr., Sonneberg. Dolls and toys.	698
815. Gerlach, F. W., Naumburg a-S. Toys of tin.	698
816. Geyer, Carl & Co., Sonneberg. Dolls.	699
817. Greiner, Otto, Poerswick, Saxony, Meiningen. Artistic casket.	695
818. Gripmann, Karl, Mannheim. Carved money chest.	695
819. Gutgesell, Max, Gotha. Toys.	698
820. Haack, Max, Adolf, Leipsic. Magic apparatus, etc.	698
821. Handwerck, Heinrich, Waltershausen i-Th. Jointed dolls.	698
822. Harrass, B., Boehlen i-Th. and Berlin. Wooden toys, etc.	698
823. Heinrich, Gebr., Fuerth. Toy figures.	698
824. Hess, Math., Nuremberg. Toys of tin.	698
825. Himmelreich, Joh., Munich. Artistic case.	695
826. Hochmeister, Hermann, Sonneberg. Dolls and toys.	698
827. Hoffmann, August, Hanau. Jewel cases.	695
828. Horn, Heinrich, Sonneberg. Dolls.	698

## Toys, Fancy Articles, Leather, Scales.

Exhibit No.	Class'n No.
2. Kaemmer & Reinhardt, Waltershausen i-Th. Dolls and toys.	693
3. Kaumann, Gebr., Geislingen a-H. Toys.	693
4. Kestner, T. D., jun., Waltershausen i-Th. Dolls.	693
5. Krauth, Daniel, sen., Munich. Artistic case of walnut wood.	695
6. Lindner, Louis, & Soehne, Sonneberg. Dolls and toys.	693
7. Lindner, Joh. Chr., Sonneberg. Toys, ornaments for dolls, etc.	693
8. Luge, A., & Co., Sonneberg. Dolls and toys.	693
9. Luge, Ferdinand, Sonneberg. Dolls, toys, etc.	693
10. Peter, L. J., Mannheim. Two artistic cases.	695
11. Pilz, W. K., Freiberg, Saxony. Ornaments for Christmas trees.	693
12. Plank, Ernst, Nuremberg. Optical and mechanical toys.	693
13. Porzellanfabrik Limbach, Limbach, near Sonneberg. Dolls and toys.	693
14. Reutlinger, M., & Co., Karlsruhe. Two artistic cases.	695
15. Riesemann, Seb., Munich. Artistic case.	695
16. Rueckert & Co., Steinach. Dolls and toys.	693
17. Samhammer, Philipp, Sonneberg. Dolls and doll bodies.	693
18. Schaupp, Bernh., Karlsruhe. Jewel box.	695
19. Schilling, F. M., Sonneberg. Dolls and dolls' heads.	693
20. Schillitz, Carl, Frankfort-on-the-Main. Electrical toys.	693
21. Schmidt, Oscar, Sonneberg. Dolls' eyes.	693
22. Schoenner, Jean, Nuremberg. Mechanical and optical toys.	693
23. Schmetzmeister & Quedt, Gotha. Dolls and dolls' heads.	693
24. Siegfried, A., Guestrów i-Mecklenburg. Two carved cases.	695
25. Theater, Jean, Nuremberg. Optical and mechanical toys.	693
26. Treuter, Oscar, Sonneberg. Dolls.	693
27. Wiesenthal, Schindler & Kallenberg, Waltershausen i-Th. Dolls and toys.	693
28. Wittzack, Emil, Gotha. Dolls and toys.	693

## GROUP 111.

Berger, Heinrich, Ostritz-Saxony. Lacquered cow and horse hides.	699
Bruederlein, Emil, Poessneck. Lacquered cow, sheep and calf leather.	699

Exhibit No.	Class'n No.
858. Bruening, H. W., Neumuenster-Holstein. Horse leather.	700
859. Caprano, Heinrich, Charlottenberg. a Sheep skins.	697
b Curried goat skins.	698
860. Cohn, L., Johannegeorgenstadt-Saxony. Tanned and dyed leather.	697
861. Fischer, F., & Co., Offenbourg-Baden. Hair calf skins.	698
862. Gehrken, C. Otto, Hamburg. Leather belting.	704
863. Glacélederfabrik Muehlburg, vorm R. Ellstaetter, Muehlburg. Glove leather.	702
864. Hanneke, Friedr., jun., Berlin. Leather belting.	704
865. Hartwig, Gebrueder, Offenbach-on-the-Main. Leather decorations.	705
866. Heilbrunn, K. Soehne, Berlin. Drum and banjo skins, parchment.	708
867. Heil, J., Wandsbek near Hamburg. a Leather for saddles.	697
b Leather for purses.	699
868. Jacobsen, Adolph, Berlin. Horse leather.	697
869. Niedersheinische Aktiengesellschaft fuer Lederfabrikation, vorm Z. Spier, Vicksrath-Rhine-Province. Dyed and split leather.	697
870. Perlinger, August, Fuerth-Bavaria. Leather.	697
871. Schmidt, F. L., Eckernfoerde. Curried horse leather.	698
872. Simoa, Wilh., Kirm-on-the-Nahe. Leather.	697
873. Voelker, Julius, Eisenberg-Saxony; Alkenburg. Horse leather.	697
874. Waeldin, Huber, Lahr-Baden. Colored and black morocco.	699
875. Weithase, R., & Co., Poessneck. Lacquered sheep skins.	697
876. Wildbrett, Carl, Augsburg. Parchment.	703
877. Wuelkenz, Louis, Kirchheim. Nieder-Lausitz. Sheep skin.	696
878. Zuch, Georg, Weihs, near Regensburg. Split cowhide in natural color.	697
879. Zix, Louis, & Soehne, Nachf von Rich & Aug. Korn, Saarbruecken. a Tanned leather.	697
b Leather belting.	704

## GROUP 112.

880. Betting, C. F., Wahlheiden, near Cassel. Two chemical scales (for analysis).	709
881. Herzberg, A. T., & Kuhlmann, W. vorm. Paul Runge, Hamburg. a Commercial scales.	708
b Chemists' scales.	709

## Material of War, Lighting, Heating and Cooking Apparatus, Hollow Metal Ware, Etc.

Exhibit No.	Class'n No.
882. Kloeene, Aug., Dortmund. Gasometer model, etc.	711
883. Lux, Friedr., Ludwigshafen-on-the-Rhine. Regulators.	711
884. Schenk, Carl, Darmstadt. Automatic impression scale.	706

## GROUP 113.

885. Distrikt Schnitz und Zeichenschule, Partenkirchen. Carved gunholder.	718
886. Eisenwerk, Gaggenau, Aktiengesellschaft, Gaggenau, Baden.	714
887. Ehui, Geo., Stuttgart. Sword.	717
888. Krupp, Friedr., Essen. Ordnance and projectiles.	716
889. Polte Armaturenfabrik, Magdeburg-Sudenburg. Cartridge shells for ordnance.	714
890. Ratti, Aug., Sierenz-Alsace. Gun stocks.	714

## GROUP 114.

891. Aktiengesellschaft fuer Fabrikation von Bronzewaaren & Zinkguss, Berlin.	
a Lamps.	719
b Chandelier, etc.	721
892. Distrikt, Schnitz & Zeichenschule, Partenkirchen. Carved lustres.	721
893. Eisenwerke, Gaggenau, Aktiengesellschaft, Gaggenau-Baden. Gas fixtures.	721
894. Jacoby, Eduard, Berlin. Illuminating fixtures.	721
895. Kirsch, Reishold, Munich.	
a Lantern.	720
b Lustre.	721
896. Krohne, Emil, Berlin. Chandelier.	719
897. Landsberg & Ollendorf, Frankfurt-on-the-Main. Fireproof lamp chimneys.	712
898. Neumayer, Theodor, Munich. Aluminum reflectors.	720
899. Rakenius, Karl & Co., Berlin. Lamps.	719
900. Roeckert, Carl, Dessau. Candelabra, etc.	721
901. Schmodt, Robert & Co., Munich.	
a Lamps.	719
b Chandeliers.	721
902. Seifert, K. M., Dreden-Wurzen. Chandeliers, etc.	721
903. Steger, Karl, Munich. Carved chandeliers.	721
904. Stettner, Jean, Nuremberg. Lustre.	721
905. Von Schwarz, T., Nuremberg. Steatite burner.	719
906. Weber, Adam & Co., Nuremberg. Steatite gas burners.	721

Exhibit No.	Class'n No.
907. Westphal, Gustav, Berlin. Lantern.	720
908. Wild & Wessel, Berlin. Artistic lamps.	719

## GROUP 115.

909. Barth, Conrad & Co., Munich. Fire place.	724
910. Becker & Ulmann, Berlin. Hot water apparatus.	726
911. Grove, David, Berlin. Movable oven.	737
912. Herzberg & Co., Cologne. Alcohol gas stoves.	728
913. Koerting, Bros., Koertingshof, Hannover. Models and drawings of radiators.	726
914. Kohn, Elias, Wasserbruedingen, Bavaria. Tile stove.	724
915. Koloseus, H., Aschaffenburg. Iron, enamel, porcelain and majolica ranges.	722
916. Landsberg & Ollendorf, Frankfurt-on-the-Main. Mica for stoves.	722
917. Lang, C. W., Nuremberg. Forged iron ranges.	727
918. Menne, Josef, Munderkingten a-D. Brushes, brooms, etc.	730
919. Puck & Co., Hamburg. Cloth rack.	730
920. Schmidt, Theobald, Berlin. Household implements.	730
921. Schoenner, Jean, Nuremberg. Household goods of twisted brass, copper, etc.	730
922. Werner & Pfeiderer, Cannstadt. Steam oven.	728
923. Wessely, A. H., Hamburg. Fire place, chimney stoves.	724

## GROUP 116.

924. Bing, Gebrueder, Nuremberg. Tinware.	733
925. Creutz, N., Aachen. Cast hollowware.	730
926. Lichtinger, Joseph, Munich. Pewterware.	733
927. Lichtinger, L., Munich. Tinware.	733
928. Naglo, Gebr, Berlin. Signs and drawings.	734
929. Oberschlesische Eisenindustrie, Akt. Gesellschaft fuer Bergbau und Huettenbetrieb, Gleiwitz. Enameled and tinned ware.	734
930. Schreiner, Anton, Mabburg, Bavaria. Artistic tinware.	733
931. Thiel, Carl, & Soehne, Luebeck. Enameled and tinned ware.	734
932. Wuppermann & Co., Amberg, Bavaria. Stamped and enameled tinware.	734

## Wire Goods, Wrought Iron Exhibits, Hardware, Miscellaneous.

## GROUP 117.

Exhibit No.	Class'n No.
Speiser & Co., Nuremberg. Wire goods.	742

## GROUP 118.

Armbruester, Gebrueder, Frankfurt-on-the-Main.	
a Artistic forgings.	743
b Forged iron portal.	744
Arnstein & Martin, Berlin. Horse-shoes, etc.	746
Blume, R., Berlin.	
a Artistic forgings.	743
b Metal ornaments.	744
Brechenmacher, Franz, Frankfurt-on-the-Main. Forged park gates.	743
Buehler, F. & Sohn, Offenburg i-Baden. Modern forge work.	743
Eisenwerk, Joly, Wittenberg, Wittenberg. Stairway of forged iron.	745
Gute Hoffnungshuette, Oberhausen. In construction for Krupp's Pavilion.	745
Hammerau, Val., Frankfurt-on-the-Main. Ornaments for gates and railings.	744
Kayser, Ferd., Leipsic. Forged iron wheels and flower basket.	743
Kirsch, Reinhold, Munich. Railing.	743
Koeckert, Carl, Dessau. Artistic forgings.	743
Koelbe, Peter, Sohn, Munich. Artistic forgings.	743
Kronklauer, Jos., Munich. Forged door knobs, etc.	743
Liebig, Peter, Munich. Forged railings.	743
Mannstaedt, L., & Co., Kalk, near Cologne. Railings of fancy iron.	743
Puls, Ed., Berlin. Artistic forgings.	743
Rheinisches Kunstschmiedewerk, r. Lippens, Dusseldorf. Balcony and way railing.	743
Schmidt, Robert, & Co., Munich. Forged iron hinges, tea-stand.	743
Stumpf, Gottfried, Munich. Artistic forgings.	743
Iron Works "Gaggenau," Gaggenau. Signs for Krupp's pavilion.	744
Iron Works, Lauchhammer. Busts, and portraits, ornaments, etc.	744

Exhibit No.	Class'n No.
955. Weis, Carl, Kaiserslautern. Artistic forgings.	743

## GROUP 119.

956. Bahr, A. Nachf, Lichtenstein-Saxony. Paper file holders.	750
957. Brahm, Friedrich, Fuerth. Metal ornaments.	747
958. Eberle, J. N., & Co., Augsburg. Saws, files, etc.	750
959. Goetz & Co., Stuttgart. Money boxes, safes, vaults.	752
960. Henckels, J. A., Solingen, Germany. Cutlery.	749
Henckels is the largest cutlery manufacturer not only in Germany but on the European continent; his goods are considered the best that are made in this line; his trade mark, "The Twins," has been in possession of the Henckels family since 1731. Graef & Schmidt, New York, sole agents for U. S.	
961. Hessenbruch & Co., Ronsdorf. Razors.	751
962. Meyer, Focke & Co., Radeberg, Saxony. Patent files.	750
963. Ostertag, J., Aalen, Wurtemberg. Vaults with appurtenances.	752
964. Schillitz, Karl, Frankfurt-on-the-Main. Artisans' tools, etc.	752
965. Schubert & Werth, Berlin. Safety locks.	747
966. Spring Steel M'fg Co., Cassel. Lignament saws.	750
967. Wellmann, Altona. Knives.	751
968. Werner, Adolf Fr., Schmalkalden. Tongues.	747
969. Zettner, Gebr., Amberg, Bavaria. Rasps and files.	750

## GROUP 121.

970. Lahmann, E. G., & Co., Leipsic, Gohlis. Billiard markers.	
971. Osiander'sche Kunststreckerei Anstalt, Ravensburg. Flags.	
972. Schleiffer, Friedr., Strassburg, Alsace. Billiards, billiard case and cue stand.	
973. Schupp & Nierth, Dresden. Cigar boxes.	
974. Sedlmayr, Robert, Munich. Tool case.	
975. Werner, Frz. P., Munich. Flags.	

## GREAT BRITAIN.

LOCATION—SEC. B AND SECS. C &amp; D, BLOCKS 1-2-3-4.

Chemical and Pharmaceutical Products, Druggists' Supplies.

## GROUP 87.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Alexander, James, & Co., Ltd., London. Soaps, cosmetics and perfumery.	549	16. Gosnell, J., & Co., London. Toilet powder and soap, tooth paste and perfumery.	549
2. Allen, Stafford, & Sons, London. Expressed and essential oils.	549	19. Jackson, Thomas, Manchester. Cachoux.	549
3. Atkinson, J. & E., London. Perfumery and toilet preparations.	549	For perfuming the breath.	
4. Bigg, Thomas, London. Sheep-dipping compositions.	544	20. Lever Bros., Ltd., Port Sunlight. Soaps and glycerine.	549
5. Bishop, Alfred, & Sons, Ltd., London. Effervescent preparations.	547	21. Mouilla Potash Liquid Soap Company, Ltd., London. Toilet soap.	549
6. Bryant & May, Limited, London. Veta matches, wax tapers and braided lights.	550	22. Ness & Company, Darlington. a Disinfecting fluids.	549
7. Brunner, Mond & Co., Ltd., Norwich. Pure alkali; soda; ammonia; bleaching powder.	544	b Disinfecting powders and soaps.	549
8. Burroughs, Wellcome & Co., London. a Pharmaceutical preparations.	547	"Thymo-cresol" preparations. (3 gold medals.) U. S. agents, Lawford Bros., Baltimore.	
b Medicine chests and cases.	548	23. Newball & Mason, Nottingham. a Dried herbs.	549
One of the medicine chests supplied to Mr. H. M. Stanley's expedition through darkest Africa, fitted complete with "Tabloids" of compressed drugs, Quinine, Cascara, Livingstone's rousers, Peptonic, etc., sent back as a souvenir of the expedition. Hazeline, a distillate of the Hamamelis Virginica or witch hazel. Hazeline cream, an ointment prepared with "Lanoline." Hypodermic "tabloids" in pocket cases. Inhalers, etc. New York office, 347 Fifth Ave.		b Beer extracts.	
9. Calvert, F. C., & Co., Manchester. a Carbolic acid; sanitary and pharmaceutical preparations.	547	24. Oppenheimer, Son & Co., Ltd., London. Pharmaceutical preparations.	547
b Soaps and toilet preparations.	549	25. Pain, James, & Sons, London. Fireworks, ship signals and illuminations.	551
10. Christy, Thomas, & Co., London. Cachets and closing apparatus, etc.	547	26. Patent Borax Company, Ladywood, Birmingham. Washing, cleaning and purifying preparations.	549
Agents, J. M. Grosvenor & Co., Boston. Christia, a substitute for oiled silk. Agent, J. A. Kimball, Boston.		Including "Californian" specially refined and prepared borax, patent granular borax, pure borax in crystal and powder, borax starch glaze, and borax dry soap and soap extract, with boraxaline bath soap powder, toilet soaps, tooth and toilet powders, and other toilet preparations.	
11. Crown Perfumery Company, London. Perfumery and toilet requisites.	549	27. Pears, A. & F., Ltd., London. Toilet soap.	549
12. Curtiss & Harvey, London. Dummy samples of gunpowder of various kinds and ingredients in manufacture.	550	27a. Price's Patent Candle Co., Ltd., London. Toilet soaps, glycerine, etc.	549
13. Eley Bros. Ltd., London. Sporting and military ammunition.	550	28. Quibell Bros., Newark-on-Trent. a Sheep-dips and disinfectants.	549
		b Soaps.	549
		29. Ransom, W., & Son, London. a Dried herbs.	549
		b Pharmaceutical extracts, essential oils, etc.	549
		30. Smith, T. & H., & Co., London. Chemical products of a pharmaceutical nature.	549
		31. Sprules, Sarah, Wallington. Essential oils, lavender water, essences and perfumes.	549

## Paints, Varnishes, Stationery, Furniture, Upholstery, Ceramics and Mosaics.

Exhibit No.	Class'n No.
Stevenson & Howell, London. Essential oils, essences and perfumes.	549
United Alkali Company, Ltd., Liverpool. Bleaching powder, salts, ammonia, &c.	544
Usher, Richard, Banbury. Medicinal herbs and pharmaceutical extracts.	547.

## GROUP 88.

Arnold, P. & J., London. Ink.	552
Berger & Sons, Ltd., Lewis, London. Colors, oil and spirit varnishes.	552
Dales, John T., London. Dublin.	552
Day & Martin, London. Boot and dress blacking, furniture polish, etc.	552
Duckett, J. B., & Co., Heeley. Writing inks and powders.	552
Harrison & Son, Hanley. Colors, glazes and enamels.	552
Madderton & Co., Loughton. Colors artists' materials.	555
McCaw, Stevenson & Orr, Belfast, and. Substitute for stained glass.	554
Vinsor & Newton, Ltd., London. Printing inks.	552
Artists' colors and materials.	555

## GROUP 89.

Arnold, P. & J., London. Muclage sealing wax.	564
Leighorn, William, Jr., Dundee, Scotland. Paper stock.	556
Felts.	557
Attorrell Bros., Bristol. Art paper hangings and decorative materials.	563
Ford, T. B., Londwater. Blotting paper and raw materials.	560
Gold medal blotting paper obtained at awards in various countries after trial in all parts of the world. Noted for soft, velvet finish, durability, sheet water marked "Ford."	428
Well adapted for exportation.	
Hott, Joseph, & Sons, Birmingham.	564
Grey & Co., London. Wall paper decorations.	563
Howles, Chas., & Co., London. Wall paper and ceiling papers.	563
Askelyne, J. N., & Son, London. Wall paper writers.	564

Exhibit No.	Class'n No.
61. Woollams, Wm., & Co., London. Wall and ceiling papers.	563
Original makers of "Artistic wall papers" guaranteed free from arsenic. All kinds of wall and ceiling papers of finest qualities, block-printed. "Chameleon flock" papers. Real leather embossed in continuous lengths.	

## GROUP 90.

62. Arup Bros., London. Interior decorations.	572
63. Burroughs & Watts, Ltd., London. Billiard table.	566
64. Collinson & Lock, London. Dining and bedroom hangings and furniture.	572
65. Davis, W. H., & Co., Birmingham. Brass and iron bedsteads.	567
67. Gregory & Co., London. Sideboard, table, chairs, settee and decorations.	567
68. Hampton & Sons, London. Reproduction in carved oak, of the banquet hall of Hatfield House, the seat of the Marquis of Salisbury.	572
Specialists in the decorative treatment of interiors. Furniture manufacturers. See new book of designs. Dealers in art objects and antiques. Exhibit and antique appointments for sale. Correspondence invited.	
69. Hoskins & Sewell, Birmingham. Metallic bedsteads.	567
70. Johnstone, Norman & Co., London. a Dining table.	566
b Carved panels.	571
71. London Fabric Printing Company, London. Printed reboots and cretonnes.	568
72. Macbeth, Isaac, Wirksworth. Furniture.	567
73. Peyton & Peyton, Birmingham. Brass and iron bedsteads.	567
74. Roberts, Geo., Sheffield. Furniture.	567
75. Winfields, Ltd., Birmingham. Brass bedsteads, cot and lectern.	567
76. Wright, Geo., & Co., London. Billiard table and fittings.	566

## GROUP 91.

77. Ault, William, Burton-on-Trent. Artistic pottery.	575
78. Brown-Westhead, Moore & Co., T. C. Cauldon Place. China and earthenware.	576
Pitkin & Brooks, representatives, China Merchants, State and Lake St., Chicago.	
79. Coalport China Company, Ltd., Coalport. China.	576

## Monuments, Stained Glass, Carvings, Gold and Silver Ware.

Exhibit No.	Class'n No.
80. Daniell, A. B., & Sons, London.	
a Porcelain, pâte-sur-pâte, etc.	577
b Earthenware, stone-china, etc.	577
81. Doulton & Co., London.	
a Stoneware and ceramic wall decorations, Doulton ware.	575
b China and earthenware.	576
81a. Elton, Sir Edmund Harry, Bart., Clevedon. Elton ware.	576
82. Gibson & Sons, Burslem. Rockingham ware.	576
83. Godwin & Hewitt, Hereford. Tiles.	578
84. Grainger, George, & Co., Worcester. Porcelain and other wares.	577
85. Irish Portland Cement & Brick Co., Ltd., Dublin. Earthenware.	Dept. E 576
86. Maw & Co., Ltd., Jackfield. Tiles, mosaics and architectural faience pottery.	578
88. Moore Bros., Longton. China ware and pâte-sur-pâte decorations.	576
89. Peake, Thomas, Tunstall. Bricks and tiles.	578
90. Worcester Royal Porcelain Company, Ltd., Worcester.	
a Tea, breakfast and dessert services in china.	576
b Porcelain articles.	577

## GROUP 92.

91. Gounella & Co., J. Dundee. Statues and busts.	581
92. O'Neill, P. J., & Co., Dublin. Font of Irish marble, statue of the Redeemer, Celtic cross in Donegal sandstone.	Dept. E 581
93. Pettigrue, Thomas, Navan. Celtic cross, monuments and pedestals.	Dept. E 581

## GROUP 93.

94. Collinson & Lock, London. Repousse work.	585
95. Johnson, Edmund, Dublin. Copies of Irish art metal work, crosses, croziers and shrines.	585
95a. Winfields, Ltd., Birmingham. Brass eagle lectern.	585

## GROUP 94.

96. Cannington, Shaw & Co., St. Helens. Glass bottles.	590
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## GROUP 95.

98. Hardman & Co., London. Pictorial paintings on glass, ecclesiastical art. (Window)	597
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Exhibit No.	Class'n No.
99. Holiday, Henry, London. Stained glass window representing the Nativity, with the adoration of the magi and shepherds and the choir of angels.	586
100. Pace, Ion, London. Stained glass windows and designs.	586
101. Winfields, Ltd., London.	
a Screen of stained glass, domestic and civic stained glass.	586
b Ecclesiastical stained glass windows.	586

## GROUP 96.

101a. Collinson & Lock, London.	
a Marqueterie, carving, etc.	586
b Ivory inlaying and carving.	586
102. Hems, Harry & Sons, Exeter. Carved church furniture and photographs illustrative of carved work.	586
102a. Johnstone, Norman & Co., London. Inlaid and carved panels in woods and metals.	586

## GROUP 97.

103. Gibson & Co., Ltd., Belfast.	
a Sterling silverware.	586
b Electro-plate.	586
104. Goldsmiths & Silversmiths Co., London.	
a Sterling silver dessert and table service, tea and coffee services and trays.	586
b Cutlery.	586
c Dressing and traveling bags.	586
d Electro-plate.	586

The Company's plate and cutlery is the finest in the world for clubs, hotels and private use. The public supplied direct at manufacturers' cash prices, saving purchasers 25 to 50 per cent.

105. Arhggill & Company, Birmingham. Plated goods.	586
105a. Johnson, Edmund, Dublin. Antique Irish silver articles.	586
106. Mappin Brothers, London.	
a Louis Seize toilet service, presentation and testimonial pieces, and perfume bottles.	586

In this class are shown the fine gold and jeweled casket presented by the city of London to H. I. M. the Emperor of Germany and the famous "Waterloo Cup," both specially modeled by this firm. Mappin Brothers' art productions in gold and silver are no equal in the world. Designs and estimates free.

Jewelry, Watches, Clocks, Silks, Fibres, Cotton and Linen Fabrics.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 118. Cutlery, fish sets, dessert sets, etc.   | 606         |
| Oppin Brothers have a reputation of over years for the superiority of their cutlery. Best in the world. Price list free on application. Show rooms 220 Regent St. and 66 Capside, London. |             |
| 119. Dressing and traveling bags for ladies and gentlemen.  | 607         |
| Oppin Brothers' completely fitted bags are owned throughout the world. Catalogues   |             |
| 120. Electro-plated dishes, tea and coffee services, claret jugs, etc.  | 609         |
| Oppin Brothers' "Queens" plate for finish of finish and hard wear is unsurpassed. Supplied direct to the public by the actual manufacturers.  |             |
| 121. Wells, John, London. Silver plate and historical articles.   | 605         |
| Oxford street. Old English, Irish and Chinese plate, and historical articles.   |             |

GROUP 98.

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|--|-----|
| Diamond Cutting Company, London.   | 613 |
| Gibson & Co., Ltd., Belfast. Gem ornaments, Connemara marble and bog jewelry.  | 612 |
| Goldsmiths & Silversmiths Co., London. Diamonds and gem ornaments. Display of superb ornaments set with gems shown in the Company's London rooms is the most magnificent in the world. The moderate prices combined with able taste and high quality defy comparison. Show rooms 112 Regent St., London. | 614 |
| Johnson, Edmond, Dublin. Irish jewelry and ornaments.  | 614 |

GROUP 99.

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|--|-----|
| Goldsmiths' & Silversmiths' Co., London. English levers, repeaters and chronometers. | 617 |
| Clocks.  | 621 |
| Company's watches and clocks are the best keepers in the world.                      |     |
| Smith, John, & Sons, London.   | 617 |
| Watches.   | 621 |
| Clocks and time bells.   | 621 |

GROUP 100.

- |  |     |
|--|-----|
| Bartrum, Harvey & Co., London. Hats and vestings.  | 629 |
| Collinson & Lock, London. Gold and silver tissues. | 628 |
| Silks, damasks, brocades and brocatelles.          | 629 |
| Velvets and embroideries.                          | 630 |

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 119. Courtauld, Samuel, & Co., Ltd., London. Silk crapes, silk gauzes, silk fabrics and costumes of same.                   | 630         |
| 120. Ferguson Bros., London. Silks and sateens.   | 628         |
| 121. Grant, W. H., & Co., Coventry.   |             |
| a Raw silks.  | 625         |
| b Dyed silks.   | 626         |
| c Suspenders, garters and handkerchiefs.  | 630         |
| d Silk trimmings.   | 632         |
| 122. Grout & Co., London. Silk crapes, crepons, mousseline de sole, grenadines, etc.  | 630         |
| 123. Hinde, Francis, & Sons, London. Silk crapes.   | 630         |
| For mourning, ordinary and waterproof finish. New York depot, W. Openhyon & Sons, 42-50 Greene St.; Paris, 42 Rue de Clery. |             |
| 124. Neilson, Shaw & MacGregor, Glasgow, Scotland. Tartan silks and velvets, scarfs, etc.                                   | 628         |
| Specialties: Scottish clan tartans, tweeds, shawls, plaids, rugs, etc.  |             |

GROUP 101.

- |  |     |
|--|-----|
| 127. Barry, Ostlere & Co., Ltd., Kirkcaldy, Scotland. Oil cloths, sanitary linoleums and cork carpets. | 636 |
| 128. Cleghorn, William, Jr., Dundee, Scotland. Jute cloth and yarns.                                   | 633 |

GROUP 102.

- |   |     |
|---|-----|
| 129. Barbour, William, & Sons, Ltd., Lissburn, Ireland. Linen and shoe threads, gilling threads and nets. | 639 |
| 130. Barlow & Jones, Ltd., Manchester. Cotton fabrics.  | 638 |
| 131. Bartrum, Harvey & Co., London.   |     |
| a Cotton goods.   | 638 |
| b Linen goods.  | 639 |
| 132. Behrens, Jacob, & Sons, Manchester. Cotton yarns.  | 638 |
| 133. Brookfield Linen Company, Ltd., Belfast. Linen fabrics.  | 639 |
| And 98 and 100 Franklin Street, New York.   |     |
| 134. Brown, John S., & Sons, Belfast.   |     |
| a Table linens, sheetings.  | 638 |
| b Household linens and handkerchiefs.   | 639 |
| 135. Brown, John, & Son, Glasgow. Muslins.  | 638 |
| 136. Cash, J. & J., Coventry. Bath towels and gloves.   | 638 |
| 137. Crippin, William & Young, George, Manchester. Cotton yarn.   | 638 |
| 138. Fenton, Connor & Co., Belfast.   |     |
| a Cotton fabrics.   | 638 |
| b Linen fabrics.  | 639 |

## Cotton and Linen Fabrics, Woven and Felted Goods of Wool and Mixtures of Wool

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
139.		158.	
Ferguson Bros., Carlisle.	Cotton	Crippin, William, & Young, George	
linings and shirtings.	638	Manchester. Woolen yarns.	
High class tailors' & dressmakers' linings & silesias, shirtings, etc.	Gold medals, Sydney, '79, Melbourne, '81, Calcutta, '84. Highest awards, Phil., '76, Paris, '78, Adelaide, '87. U. S. agt. Wm. F. Read, Phila.	159.	
140.		Dormeul Freres, London.	Woolen and linings.
Finlayson, Bousfield & Co., Johnstone, Scotland.	Linen threads and twines.	160.	
	639	Fison, William, & Co., Burley-Wharfedale.	
141.		a Shawls.	
Fox, Charles, & Co., London.		b Wool serges and coatings.	
a Sheetings.	638	c Cheviots.	
b Damasks, toweling, huckabacks, glass cloths, etc.	639	160a.	
141a.		Henderson, J. Graham, Hawick, M.	
Irish Industries Association, Dublin.	Irish linens.		Tweeds.
	639	161.	
142.		Hooper, Charles, & Co., Stoneham	
King, John, & Son, Glasgow.	Scotch window Hollands.		Woolen goods for men's wear.
	639	161a.	
143.		Hudson, Lykes & Bronsfield, Lancashire	
Liddell, William, & Co., London.	Linen damasks, table cloths, napkins, towels, sheetings and shirtings.		Woolen and worsted goods.
	639	161b.	
144.		Irish Industries Association, Dublin	
Matier, Henry, & Co., Belfast, Ireland.	Handkerchiefs, napkins and linen damask.		Irish woolen goods.
	639	162.	
145.		Irish Woolen Manufacturing & Export Co., Ltd., Dublin.	
Old Bleach Linen Company, Randalls-town.	Towels, damasks and other linens.		Woolen goods.
	639	163.	
146.		Macnoughton, A. & J., Pitthead	
Richardson, J. N., Sons, & Owden, Ltd., Belfast.	Linen, sheetings, handkerchiefs, toweling, etc.		Scotland. Scotch tweeds and homespun.
	639	164.	
147.		Marling & Co., Ltd., Stroud.	
Robertson, Ledlie, Ferguson & Co., Ltd., Belfast.	Table damask.		a Woolen goods.
	639		b Worsted goods.
148.		165.	
Swainson, Birley & Co., London.	Cotton dress goods and sheetings.		Neilson, Shaw & Macgregor, Glasgow, Scotland.
	638		a Clan tartan fabrics for men & women.
149.			b Tweeds, traveling plaids, rug.
Turnbull & Stockdale, Manchester.	Cretoumes and velveteens.		c Curtains, hearth rugs, carpets.
	638		

## GROUP 108.

150.		166.	
Apperley, Curtis & Co., Stroud.		Pocock, T. P., & Co., Chippenham	
a Woolen goods.	641		Worsted coatings.
b Coatings, cassimeres, cheviots and serges.	643	167.	
151.		Priestley, B., & Co., Idle.	
Athlone Woolen Mills Company, Athlone, Ireland.	Worsted goods.		a Dress fabrics and cloakings.
	643		b Shawls.
152.		169.	
Bartrum, Harvey & Co., London.		Smith, Turberville, & Son, Ltd.	
a Woolen goods.	641		Axminster carpets.
b Worsted goods.	643	171.	
154.		Thomson, William, & Sons,	
Bontor, Thomas, & Co., London.			Huddersfield.
Carpets, parqueterie.	649		a Woolen cloths.
156.			b Worsted cloths.
Carr, Isaac, & Co., Bath.		172.	
a Woolen cloths.	641	Ward & Taylor, Bradford and	
b Worsted cloths.	643		Tweeds, trouserings, suitings, etc.
Manufacturers of West of England patent beavers, meltons, elysians, furs, sables, Venetians, Viennas; also Covert coatings of special quality and design.		173.	
157.		Yates & Co., Ltd., Wilton.	
Cleghorn, William, Jr., Dundee.			Antique carpets.
Wool, waste and felt.	640		Royal Carpet Factory. (Under contract granted by King William III, 1702.) XVI century Persian design, 2,250 ft. each tied in by hand, size 9x12. Oriental Kurdistan design, 1,555,200 knots, for Marshall Field & Co., exclusive U. S. agents.

## Clothing and Costumes, Laces, Embroideries, Trimmings, Rubber Goods.

## GROUP 104.

Exhibit No.	Class'n No.
Cartwright & Warners, Ltd., Loughborough. Gentlemen's, ladies' and children's underwear.	657
Cooksey & Co., London. Hats.	654
Grant & Co., W. H., Coventry. Suspenders, garters, etc.	658
Holden Bros., London. Boots and shoes.	656
Hummel, E. & H., & Co., London. a Hosiery, etc.	657
b Shirts.	658
Irish Industries Association, London. Hosiery and underclothing.	657
Irish Woollen Manufacturing & Export Co., Ltd., Dublin. Ready made clothing of Irish woollens.	652
Lincoln, Bennett & Co., London. Hats and helmets.	654
felt and cloth hats and caps of every description. Hat manufacturers by special arrangement to T. R. H. the Prince and Princess of Wales. First prize medal Philadelphia, 1876. Gold medals Paris, 1878 and Agents in America, T. W. Stemmler, Union square, New York.	
Lewis, William, & Sons, London. a Underwear, etc.	657
b Cravats, shirts and collars.	658
silk and bright silk underwear. Unrivalled wool and silk and wool. (American cashmere) underwear. Shirts in materials, collars and cuffs. Dent's and Co.'s best English gloves. Rich silk ties, handkerchiefs and neckwear. Goods only. Lewis & Sons, London.	
Lobb, John, London. Boots and shoes.	656
Macqueen & Co., London. Hats and boots.	654
Martin, P. J., & Co., London. Shoes and clasps.	657
Morley, W., & Gray, London. Garter hose.	657
Ormes, Upsdale & Co., London. Shoes, mitts and gauntlets.	657
Percy, Kate, London. Ladies' costumes and court trains.	653
Portrait train is a copy of one made for the late attending Queen Victoria's drawing room, and is the newest fashion for wedding gowns. Orders can be executed at the work house, 277 Fifth avenue, N. Y., and also will be found the latest European models in mantles and dresses.	
Shingleton, William, London. Safety gaiter habit.	653
Smyth & Co., Ltd., Balbriggan, Ireland. Hosiery.	657

Exhibit No.	Class'n No.
191. Walker, R., & Sons, Leicester. Woolen underclothing and hosiery.	657

## GROUP 106.

192. Benton & Johnson, London. Gold and silver laces, etc.	664
193. Cash, J. & J., Coventry. Insertions and embroideries.	665
193a. Collinson & Lock, London. a Gold and silver tissues, etc.	664
b Embroideries.	665
193b. Foot, T. & Son, London. Toilet accessories.	675
194. Harper, Thomas, Redditch. Needles and pins, surgeons' needles, etc.	668
195. Irish Industries Association, Dublin. a Irish laces.	664
b Silk and linen embroideries, crochet, etc.	665
197. Milward, Henry, & Sons, Ltd., Redditch. Needles.	668
The world-renowned Helix Needles and easy threading Calyx Needles. Four hundred million needles made yearly. 25 gold and other medals. Gold medal Paris, 1889. Sole agents for the United States, George A. Clark & Bro., New York, Phila., Boston, San Francisco, Chicago and St. Louis.	
198. Muddiman, T. H. & J., London. Trimmings.	663
200. Peach, Samuel, & Sons, Nottingham. Nottingham lace curtains.	664
201. Turner, R., & Sons, Redditch. Pins, needles and hairpins; needle cases.	668

## GROUP 107.

202. Hinde, Ltd., London. Brushes.	675
203. Stewart, S. R., & Co., Aberdeen. Combs.	675

## GROUP 108.

204. Bryant, Robert, London. Gun cases, pouches, etc.	677
206. White, William, & Son, Glasgow. Tobacco pipes.	680

## GROUP 109.

207. Anderson, Anderson & Anderson, London. Waterproofs.	683
208. Cravenette Company, Ltd., Bradford. Waterproof cloths.	692
209. Fison, William & Co., Burley-in-Wharfedale. Waterproof goods.	683
210. Zacharias, J., & Co., Oxford. Waterproof garments.	68

## Leather, Material of War, Lighting and Heating Apparatus, Miscellaneous.

## GROUP 111.

Exhibit No.	Class'n No.
212. Jeffrey & Co., London. Embossed and decorated leather portieres.	705
213. Woollams & Co., Wm., London. Embossed leather for cladoes, screens and other decorative purposes.	705

## GROUP 113.

216. Eley Bros., Ltd., London. Ammunition.	714
217. Greener, W. W., Birmingham. Sporting guns.	718
218. Joyce, F. & Co., Ltd., London. Ammunition.	714
219. Lancaster, Charles, London.	
a Military pistols.	714
b Sporting rifles and guns.	718
151 New Bond St. and (manufactory) 2 Little Bruton St. Sporting hammer, hammerless and ejector guns for game, pigeon and duck shooting. Sporting rifles, military pistols. Awarded 46 first class prizes, medals and diplomas.	
219a. Shultze Gunpowder Company, L'td, London. Snad Relers nitro powder.	714
220. Scott, W. & C., & Son, Birmingham. Sporting guns.	718

## GROUP 114.

221. Clarke's Pyramid & Fairy Light Co., Ltd., London. Lamps and food warmers.	720
Clarke's gold medal "Pyramid" nine hour night lights should be burned in his nursery lamp food warmers; invaluable for infants and invalids. Used in the Royal nurseries.	
221a. Moore Brothers, Longton. Candelabra and lamps.	721
221b. Worcester Royal Porcelain Co., Ltd., Worcester. Candelabra and lamps.	721

## GROUP 115.

222. Day & Martin, London. Stove polish.	727
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Exhibit No.	Class'n No.
223. Ewart & Son, London.	
a Gas controlling apparatus.	724
b Bath and geyser. Dept. F	728
224. Steel & Garland, London. Fireplaces, grates, fenders and fireside requisites.	724

## GROUP 119.

225a. Jahucke's Patent Metallic Manufactory, London. Patent metallic boxes, etc.	731
225b. Foster, A. & Son, London. Hand-made steel tools. Dept. F	731
226. Staniforth, Wm. Thos., Sheffield. Knives.	751
227. Tubular Lock Syndicate, Ltd., London. Locks.	747
228. Wostenholm, George, & Son, Ltd., Sheffield. Knives, table cutlery, razors and scissors.	751

Exhibits Classified in Other Departments but Installed in this.

## DEPARTMENT A.

## GROUP 18.

Fats, Oils, Soaps, Candles, Etc.

228a. Price's Patent Candle Co., Ltd., London.	
a Soaps.	96
b Candles, tapers, paraffine, stearine, etc.	97

## DEPARTMENT D.

## GROUP 59.

Fresh Water Fishing and Angling.

229. Milward, Henry & Sons, Ltd., Redditch. Fish hooks and fishing tackle. One hundred million fish hooks made yearly.	266
230. Turner, R., & Sons, Redditch. Fish hooks.	266

## INDIA.

## LOCATION—SEC. C, BLOCK 3.

minerals, Furniture, Ceramics and Mosaics, Metal Work, Plate, Jewelry, Silks, Etc.

## GROUP 87.

	Class'n No.
Sanerjee, D. N., Bombay. Prepara-	
s from Indian indigenous herbs.	547
Doyle, Harry, & Co., Calcutta. Musk.	549
Lodges, Edward, Naini Tal. Essen-	
oil, pomade, etc.	549

## GROUP 90.

Bhumgara, Framji P., & Co., Bombay.	
Figure.	567
Forest, Lockwood, Ahmedabad.	
Complete room in carved teakwood.	572
etc Indian room in carved teakwood,	
designed by Mr. Lockwood de Forest,	
held at his workshops at Ahmedabad,	
Marshall Field & Co., exclusive	
agents.	

## GROUP 91.

Ardeshtir & Byramji, Bombay.	Pot-
	575
Marwanjee, P., & Co., Bombay.	Pot-
	575

## GROUP 93.

Ardeshtir & Byramji, Bombay.	Art
work.	585
Bhumgara, Framji P., & Co., Bom-	
Indian metal vases and trays, brass	
opper ware.	585
Marwanjee, P., & Co., Bombay.	Art
ware.	585

## GROUP 96.

Ardeshtir & Byramji, Bombay.	
Carved sandalwood boxes and	
lackwood furniture.	598
Very inlaid boxes and carved ivory	
figures.	599
Bhumgara, Framji P., & Co., Bom-	
sandalwood and inlaid carved boxes.	598
Carved ivory boxes.	599
Marwanjee, P., & Co., Bombay.	
Carved sandalwood boxes.	598
Carved ivory figures.	599

## GROUP 97.

Exhibit No.	Class'n No.
14. Ardeshtir & Byramji, Bombay.	
a Silver jewelry.	607
b India silver and silver inlaid on	
metal ware.	608
15. Bhumgara, Framji P., & Co., Bombay.	
a Gold and silverware.	604
b Silver jewelry.	607
16. Das, Bhugwan, & Gopinath, Benares	
City. Silver articles.	607
17. Doyle, Harry, & Co., Calcutta. Indian	
silver jewelry.	607
18. Marwanjee, P., & Co., Bombay. Gold	
and silverware.	604

## GROUP 98.

19. Ardeshtir & Byramji, Bombay.	Gold
jewelry.	612
20. Bhumgara, Framji P., & Co., Bom-	
bay. Gold jewelry.	612
21. Marwanjee, P., & Co., Bombay. Jew-	
elry.	612

## GROUP 100.

22. Ardeshtir & Byramji, Bombay.	Cur-
tains and fabrics of silk.	629
23. Jardinji, Jehangir, Bombay. Fabrics.	
	629
24. Shaw, Chadee Lall, Dinapore.	Silk
fabrics.	629
25. Shaw, Jhoomuck, Dinapore.	Tussar
silk fabrics.	629
26. Shaw, M. L., Dinapore.	
a Benares cloth.	628
b Tussar silk fabrics.	629

## GROUP 102.

27. Ardeshtir & Byramji, Bombay.	Cur-
tains and fabrics of cotton.	638
28. Houssein, M. D., Bengal. Hand-	
kerchiefs.	639
29. Shaw, Chadee Lall, Dinapore.	Table
cloths, napkins and sheets.	639
30. Shaw, Jhoomuck, Dinapore.	Table
cloths, napkins and sheets.	639
31. Shaw, M. L., Dinapore.	Table
cloths, napkins and sheets.	638

## Woven Goods, Felted Goods, Clothing, Laces, Toys, Miscellaneous.

## GROUP 103.

Exhibit No.	Class'n No.
32. Ardeshir & Byramji, Bombay.	
a Shawls.	642
b Indian carpets.	649
33. Houssein M., D., Bengal.	Shawls.
	642
34. Marwanjee, P., & Co., Bombay.	
Shawls and rugs.	642

## GROUP 104.

35. Houssein, M. D., Bengal.	Dresses.
	653

## GROUP 106.

36. Ardeshir & Byramji, Bombay.	Em- broidery.	669
37. Bhungara Framji, P., & Co., Bom- bay.		
a Fans and handscreens.		667
b Embroideries in silk, gold and sil- ver; tinsel cloth.		669
c Curtains.		670
38. Das, Bhugwan, & Gopinath, Be- nares City. Art embroidery and needle- work of pure gold, silver and silk.		669
39. Lall, Ganeshi & Son, Simla.	Gold and silver embroidery.	669

Exhibit No.	Class'n No.
40. Marwanjee, P., & Co., Bombay.	Em- broidery.
	669

## GROUP 110.

41. Ardeshir & Byramji, Bombay.	Indian fancy goods.	695
42. Bhungara, Framji P. & Co., Bom- bay.	Fancy goods.	695
43. Houssein, M. D., Bengal.	Fancy goods.	695
44. Raw Proyag, Bengal.	Mechanical dolls representing various phases of Hindu inner life.	695

Exhibits Classified in other Departments  
but Installed in this.

## DEPARTMENT G.

## GROUP 80.

45. De Monte, Jos., Bombay.	Model of apparatus for preventing collisions on railways.	499
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## DEPARTMENT L.

## GROUP 151.

46. Bourne & Shepherd, Calcutta.	Pho- tographic carbon enlargements.	571
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## MYSORE.

## LOCATION—EAST INDIA PAVILION.

## Collective Exhibit.

Collective exhibit of H. H. the Maharajah  
of Mysore's Government through S. J. Tel-  
lery & Co.

## DEPARTMENT A.

## GROUP 1.

Exhibit No.	Class'n No.
1. Wheat.	1
2. Rice.	6
3. Ragi (a flour).	11

## GROUP 9.

4. Cotton.	53
5. Wool.	60

## GROUP 14.

Exhibit No.	Class'n No.
6. Model of a Bengal agricultural farm.	
7. Model of an indigo farm and factory.	
8. Model of an oil farm and factory.	
9. Model of a shellac farm and factory.	78

## GROUP 17.

10. Ivory horns and tusks.	90
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## GROUP 18.

11. Sandal, cocoanut and cinnamon oil.	95
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## DEPARTMENT C.

## GROUP 35.

12. Butterflies of Himalaya.	235
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Collective Exhibit.

**GROUP 36.**

Model of kheddahs in Mysore, showing  
the process of entrapping wild elephants.

**DEPARTMENT F.**

**GROUP 42.**

Corundum iron and gold quartz. 291

**GROUP 44.**

Miscellaneous articles made of marble  
and alabaster. 296

**GROUP 49.**

Iron and steel. 334

**DEPARTMENT H.**

**GROUP 89.**

Papier-mache articles. 557

**GROUP 90.**

Rose, sandal and teak-wood chairs. 565  
Tables of rose, teak, ebony, sandal and  
him woods. 566  
Furniture made of fancy woods, carved  
inlaid. 567  
Curtains, portieres, etc. 568  
Mirrors. 569

**GROUP 91.**

Painted and glazed pottery. 575  
Marble and alabaster models of the  
the Kutab Minar, the Pearl Mosque,  
Hindu temple (full size). Burmese  
Klas and Temple of Kali. 581

**GROUP 98.**

Epouse and chiseled art metal work,  
trays, vases, jars, etc. 585

**GROUP 96.**

Wood carvings. 598  
Dry carvings, inlay, etc. 599

**GROUP 97.**

Silver tableware. 605  
Silver spoons, etc. 606  
Miscellaneous fancy articles in silver  
and other metals. 607  
Enameled brass, copper, gold and sil-  
ver. 608

**GROUP 100.**

Raw silks. 625  
Woolen silks. 628  
Woolen and silk. 629  
Handkerchiefs and dress pieces. 306

**GROUP 101.**

Exhibit Class'n  
No. No.  
37. Grass mats. 635  
38. Fine silver and gold cloths mixed with  
silk. 637

**GROUP 102.**

39. Cotton, muslin and silver tinsel prints. 638

**GROUP 103.**

40. Woolen fabrics, embroidered and plain. 641  
41. Cashmere shawls, etc. 642  
42. Felt rugs. 648  
43. Carpets, rugs, cushions, etc. 649

**GROUP 104.**

44. Wool, silk and velvet clothing. 652  
45. Ladies' dresses, jackets and native cos-  
tumes, robes of state, etc. 653  
46. Caps and turbans. 654  
47. Shoes, slippers, sandals. 656

**GROUP 106.**

48. Wool and silk laces. 664  
49. Fans of sandal-wood, ivory, etc. 667  
50. Embroidered trimmings. 668  
51. Silk, silver and gold thread and tinsel,  
art embroideries and needle work. 669

**GROUP 107.**

52. Ivory combs. 675

**GROUP 108.**

53. Bags. 680  
54. Ivory, ebony and sandal-wood canes. 681  
55. Oil cloth and hand painted umbrellas. 682

**GROUP 110.**

56. Toys, swings, etc. 693

**GROUP 113.**

57. Swords, daggers, knives, etc. 717  
58. Guns, spears, bows, etc. 718

**DEPARTMENT K.**

**GROUP 142.**

59. Miniature paintings on ivory of kings,  
queens, rajahs, etc., of the native Indian  
states.

**GROUP 143.**

60. Prints of gods and natives.

**GROUP 144.**

61. Modern wooden and antique brass,  
wood and ivory carvings.

## Collective Exhibit.

## DEPARTMENT L.

## GROUP 147.

Exhibit No.	Class's No.
62. Model of an Indian village.	827

## GROUP 151.

63. Photos of scenery, temples, etc., of Mysore.	871
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## GROUP 158.

64. Native musical instruments, part gilt, inlaid with semi-precious stones.	926
65. Drums, tambooras, bells, etc.	927
66. Harps, guitars, zithers, etc.	928

## DEPARTMENT M.

## GROUP 164.

Exhibit No.	Class's No.
67. Complete sets of Hindu and Burmese gods, models of Mohammedan and Hindu marriage ceremony and funeral, wife sacrificing herself on the funeral pyre of her deceased husband. Other ceremonies and objects of veneration, etc.	

## DEPARTMENT N.

## GROUP 19.

68. Sandal-wood trees, logs, billets; teak, hanne and kari matti planks.	99
69. Satin-wood logs.	101
70. Tangadi bark, sal tree.	103
71. Lac, gamboge.	106
72. Sandal-wood roots, powder, chips.	108

## ITALY.

## LOCATION—SECS. A, BLOCK 1; B, BLOCK 8 AND D.

## Chemicals, Paints and Dyes, Typewriters and Stationery, Furniture and Decorations.

## GROUP 87.

Exhibit No.	Class's No.
1. Catalano, Cav. Salvatore, Partinico. Chemical products.	548
2. Ciaburri, Antonio, Cerreto Sannita. Pharmaceutical preparations.	547
3. Cristofori, Natale, San Vito al Tagliamento. Insect powder.	547
4. Genevois, Felice & Son, Naples. Soaps.	549
5. La Chiavi, Enrico, Palermo. Chemical preparations.	547
6. Martinez, G. G., Girgenti. Pharmaceutical preparations.	547
7. Manara, Dr. Michele, Pavia. Pharmaceutical preparations.	547
8. Porrivecchi, Carlo, Messina. Essences.	549
9. Ragnone, Cav. Carlo, Turin. Antiseptic preparations.	547
10. Tarozzi, Cesare, Bologna. Hair dye.	547
11. Zampironi Laboratory, Mestre. Insect powder.	547

## GROUP 88.

Exhibit No.	Class's No.
12. Chiarello, Pasquale, Naples. Painters' canvas.	555
13. Pozzi, Giuseppe, Rome. Colors.	555

## GROUP 89.

14. Caccia, Antonio & Co., Milan. Lace paper.	562
15. Cartiera Reali, Venice. Paper.	556
16. Fornari, G. B., Fabriano. Paper.	556
17. Miliani, Pietro, Fabriano. Paper.	556

## GROUP 90.

18. Anti Bros., Vicenza. Furniture.	567
19. Bacetti, Andrea, Florence. Furniture.	567
20. Barni Bros., Seveso San Pietro. Furniture.	567
22. Besarel Bros., Venice. Furniture.	567
23. Biasotto, Antonio, Venice. Artistic objects.	572
24. Bozzelli, Domenico, Naples. Furniture.	567
25. Bozzelli, Marianna, Naples. Artistic furniture.	572

## Furniture and Decorations, Ceramics and Mosaics, Art Metal Work and Enamels.

Exhibit No.	Class'n No.
Calabresi, Stefano, Naples.	Furniture. 567
Cattaneo Bros., Milan.	Furniture. 567
Cella, Antonio, & Co., Milan.	Furniture. 567
Chiavari Economic Society, Chiavari.	Chairs. 565
Ciaramelli, Stefano, Florence.	Frames. 569
Corbella, Carlo, Milan.	Furniture. 567
Del Soldato, Giuseppe, Florence.	Furniture. 567
Frullini, Prof. Luigi, Florence.	Artistic furniture. 572
Grassi, Erasmo, & Son, Catania.	Furniture. 567
Manzoni, Oreste, Milan.	Art furniture. 572
Mariani, Eduardo, Milan.	Furniture. 567
Minghetti, Prof. G. B., Vicenza.	Furniture. 567
Modenato, Marco, Venice.	Artistic furniture. 572
Mora Bros., Milan.	Furniture. 567
Meroni & Fossati, Lissone.	Furniture. 567
Nebbiosi, E., Voghera.	Art furniture. 572
Olivotti, A., & Co., Florence.	Furniture. 567
Pogliani, Ferdinando, Milan.	Artistic furniture. 572
Picchi, Andrea, Florence.	Picture frames. 572
Pucci, Prof. Carlo, Florence.	Furniture. 567
Querena, Francesco, Turin.	Furniture. 567
Ramelli, Andrea, Milan.	Furniture. 567
Rossi & Sons, Venice.	Artistic furniture. 572
Sonnino, Pasquale, Resina.	Furniture. 567
Schmitt, Bonifacio, Naples.	Furniture. 567
Spadaro, Antonino, Noto.	Grille work. 572
Tappari, Pietro, Florence.	Furniture. 567
Tenca & Co., Milan.	Mirrors. 569
Toledo, Matteo, Naples.	Furniture. 567
Toso, Francesco, Venice.	Artistic furniture. 572
Zanetti, Antonio, Vicenza.	Furniture. 567

Exhibit No.	Class'n No.
57. Zucconi, Vincenzo, Florence.	Furniture. 567

## GROUP 91.

58. Antonibon, Pasquale, & Sons, Nove.	Pottery. 575
59. Artistic Industrial Museum, Naples.	Ceramic articles. 575
60. Bazzanti & Son, Florence.	Mosaics. 580
61. Boncinelli & Sons, Florence.	Mosaics. 580
62. Cacciapuoti, Ettore & Guglielmo, Naples.	Ceramic art. 575
63. Cantagalli, Ulisse, Florence.	Pottery. 575
65. Co-operative Mosaic Society, Florence.	Mosaics. 580
66. De Bottazzi, Ignazio, Turin.	Pottery. 575
67. Fabri, Pio, Rome.	Majolica. 575
68. Galeano, E., Genoa.	Majolica. 575
69. Mazzarella, Bernardino, Naples.	Pottery. 575
70. Molaroni & Co., Pesaro.	Artistic majolica. 575
71. Mollica, Achille, Naples.	Ceramics. 575
72. Montelatini, Giuseppe, Florence.	Mosaics. 580
73. Pasqualetti, Carlo, Volterra.	Pottery. 575
74. Petralli & Co., Florence.	Mosaics. 580
75. Torelli, Prof. Jafet, Florence.	Majolica. 570
76. Richard & Co., Milan.	Pottery. 575
77. Rocca, R. & Co., Venice.	Mosaics. 585
78. Roccheggiani, Rome.	Mosaics. 580
79. Salvini & Co., Florence.	Pottery. 575
79a. Scappini, Giovanni, Rome.	Mosaics. 580
80. Schibba, Luigi, Rome.	Mosaics. 580
81. Ugolini, Giovanni, Florence.	Mosaics. 580
82. Venetian Mosaic Society, Venice.	Mosaics. 580
83. Viero, G. B., Bassano.	Majolica. 575
84. Zorzi, A. & Bro., San Ambrogio Valpolicella.	Bricks. Dept. E 574

## GROUP 93.

96. Bartoloni, Oreste, Rome.	Bronzes. 585
97. Boschetti, B., Rome.	Artistic bronze reproductions. 585
98. Brugo, Cay, Vincenzo, Rome.	Artistic objects. 585
99. Grazioli, Oreste, Florence.	Bronze work. 585
101. Johnson, Stefano, Milan.	Medals and bronze articles. 585

## Art Metal Work, Glass, Carvings, Plate, Jewelry, Horology, Silks, Fibres.

Exhibit No.	Class'n No.
102. Layet, Cav. Frederico, Venice. Bronzes.	585
103. Muzio, Bartolomeo, Genoa. Bronzes.	585
104. Nelli, Cav. Alessendro, Rome. Artistic bronze reproductions.	585
105. Olivari, Gaetano, Genoa. Bronze crown.	585
106. Pandiani, Antonio, Milan. Bronzes.	585
107. Quadrelli, Mario, Milan. Bronze and silver articles.	585
108. Testori, Giuliano, Turin. Bronzes.	585
109. Tosato, Domenico, Venice. Gilded figures.	585
110. Traverso, Lorenzo, Genoa. Bronzes.	585

## GROUP 94.

111. De Caro, Antonio, Naples. Glassware.	593
112. Salviati & Co., Venice. Glass.	593
113. Venice and Murano Company, Venice. Glassware.	593

## GROUP 96.

114. Bruno, Cav. Francesco, Naples. Wood carving.	598
115. Cadarin, Vincenzo, Venice. Wood carvings.	598
115a. Gargiulo & Sons, L., Sorrento. Wood carving.	598
116. Nebbiosi, Nicodemo, Voghera. Wood work.	598
117. Vannuchi, Rodolfo, Florence. Carved wood.	598

## GROUP 97.

118. Accarisi & Nephew, Florence. Artistic silverware.	605
120. Ciardi, Antonio, Prato. Artistic silverware.	605
121. Consoli Cav. Alfio, Milan. Silverware.	605
122. Frumento, M. G., Genoa. Silver filigree.	607
123. Graziosi, Oreste, Florence. Gold work.	604
124. Miglio, Giuseppe, Vercelli. Filigree work.	607
125. Meda, Francesco, Milan. Silverware.	605
126. Quadrelli, Mario, Milan. Silver articles.	607

## GROUP 98.

127. Berretta, Stefano, Rome. Filigree jewelry.	612
128. Bettini, Mario, Florence. Gold and silver jewelry.	612
129. Bonetti, Giuseppe, Florence. Gold and jewelry.	612

Exhibit No.	Class'n No.
130. Cami, Enrico, Rome. Cameos.	614
131. Cortellazzo, Antonio, Vicenza. Gold jewelry.	612
132. De Felici Publio, Rome. Cameos.	614
133. De Marco, Antonino, Naples. a Gold work.	612
b Coral.	614
134. Errico, Vincenzo, Naples. Gold jewelry.	612
135. Fasoli, Federico, Rome. Gold jewelry.	612
136. Graziosi, Oreste, Florence. Jewelry.	612
137. Labriola, Angelo, Naples. Coral and tortoise shell work.	614
138. Labriola, Mariano, Naples. Coral jewelry and tortoise shell.	614
139. Melillo, Cav. Giacinto, Naples. Gold jewelry.	612
140. Morabito, Rocco, Naples. Gold jewelry.	612
141. Negri, Ottavio, & Co., Rome. Gold jewelry.	612
143. Parodi, Nicolo, Genoa. Gold jewelry.	612
144. Petrali & Co., Florence. Gold work.	612
145. Pelissier, Leopoldo, Rome. Gold jewelry.	612
146. Piscione, Michele, Naples. a Gold jewelry.	612
b Coral.	614
147. Piscione, Enrico, Naples. Coral jewelry and tortoise shell.	612
148. Rinaldini, Enrico, Florence. Gold jewelry.	612
149. Sivelli, Egisto, Genoa. Silver jewelry.	612

## GROUP 99.

150. Codebo, Roboamo, Noto. Clock escapement.	612
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## GROUP 100.

150a. Bosio Maria, Milan. Raw silk.	612
151. Dolara, A., Como. Silks.	612
152. Gargiulo, Rocco, Naples. Silks.	612
152a. Lazzaroni, A., Milan. Silks.	612
153. Malizia, G., Milan. Silk goods.	612
154. Osnago Luigi, Milan. Silks.	612
155. Ronchetti, C. F., Milan. Raw silk.	612

155a. Sada & Monti, Milan. Raw silk.	612
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## GROUP 101.

156. Zari Bros., Milan. Wool yarn.	612
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Yarns, Woolens, Clothing, Laces, Toys, Leather, Lighting, Heating, Etc.

**GROUP 102.**

Exhibit No.	Class'n No.
7. Alzati, Gaetano, Milan. Woven goods.	638
8. Bisello, G., & Co., Venice. Dry goods.	638
9. Figliodoni Bros., Monza. Dry goods.	638
10. Finzi, A., Venice. Dry goods.	638

**GROUP 103.**

1. Arandea, Giacomo, Turin. Woolens.	640
2. Frezzi, Pompeo, Desio. Woolen goods.	641

**GROUP 104.**

3. Brischetti, Sebastiano, Acireale. Boots and shoes.	656
4. Cambiaghi, Giuseppe, Monza. Hats.	654
5. Cannizzaro, Giovanni, Palermo. Clothing.	652
6. Carozzi, Giuseppe, & Son, Monza. Hats.	654
7. Caviezel, Rodolfo, Florence. Boots and shoes.	656
8. Cernuschi, G., & Co., Monza. Hats.	654
9. Corsaro, Francesco, Catania. Shoes.	656
10. De Luca, Gaetano, Catania. Boots and shoes.	656
11. Di Brando, Gaspare, Palermo. Boots and shoes.	656
12. Durante, Giuseppe, & Son, Palermo. Clothing.	652
13. Frinzi, Russo Giovanni, San Stefano mastra. Boots and shoes.	656
14. Gargiulo, Eduardo, Naples. Gloves.	657
15. Goio, Giuseppe, Rome. Clothing.	652
16. La Farina, Cesare, Palermo. Hats.	654
17. Polaccia, Pietro, Palermo. Shoes.	656
18. Pongiglione, Girolamo, Savona. Boots and shoes.	656
19. Scandarra, Alfio, Catania. Boots and shoes.	656
20. Scavia, Angelo, Mortara. Hats.	654
21. Sciortino, Feo Nicolò, Palermo. Clothing.	652
22. Traverso, A., & Son, Genoa. Boots and shoes.	656
23. Truden, G., & Sons, Palermo. Clothing.	652
24. Urso, Giuseppe, Palermo. Shoes.	656
25. Valera & Ricci, Monza. Hats.	654
26. Valle, Emilio, Chiavari. Patterns uppers.	656

Exhibit No.	Class'n No.
185. Vinci, M., & Son, Palermo. Boots and shoes.	656

**GROUP 106.**

186. Brenda & Simonetti, Rome. Tapestry imitation.	671
188. Cosulich, Cleto, Syracuse. Embroidery.	665
189. Dovizielli, Cesare, Rome. Tapestry imitation.	671
191. Finzi, A., Venice. Laces.	665
192. Jesurum, M. & Co., Venice. a Laces.	664
b Embroideries.	665

Specialties for curtains, bedspreads, table cloths and piano covers. The greatest rewards at all exhibitions. Paris exhibition, 1889, out of competition, being member of the jury for the awards.

193. Pagliei, Brugo, Rome. Tapestry imitation.	671
193a. Passalacqua, Negrotte, Genoa. Laces.	671
194. Radaelli, Giuseppe, Monza. Tapestry goods.	670
194a. Zamorini Sisters, Genoa. Laces.	671

**GROUP 110.**

196. Barbarulo Bros., Capriglia di Salerno. Fancy articles.	695
197. Conti & Mannozi, Florence. Straw work.	695
198. Gerardi, Giacinto & Bros., Marostica. Straw work.	695
199. Neapolitan Artistic Society, Naples. Fancy articles.	695

**GROUP 111.**

200. Chapot, Giovanni, Turin. Hides.	696
201. Fornari, G. B., Fabriano. Hides.	696
202. Mazza, Giuseppe, Milan. Hides.	696
203. Mora, Luigi, Milan. Leather work.	705

**GROUP 114.**

204. Pavesi & Co., Milan. Candelabra, etc.	721
205. Franco, Domenico, San Marco Argentano. Iron lamp.	719
206. Torchi, Taddeo, Bologna. Iron lamps.	719

**GROUP 115.**

207. Orsola, Antonio, Rome. Covers.	730
208. Profumo, Gaetano, Genoa. Ovens.	727

**GROUP 116.**

209. Balzanzetti, Donato, Udine. Bells.	733
210. Colacchini, Pietro, Bassano Veneto. Bronze bells.	733

**GROUP 118.**

211. Bottacin Bros., Venice. Iron.	
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## Vaults, Safes and Hardware, Miscellaneous.

Exhibit No.	Class'n No.
212. Castello, Prospero, Turin. Iron ware.	743
213. Guaita, G., & Sons, Turin. Wrought iron.	743
214. Merli, Camillo, Mirabello Ferrarese. Iron ware.	743
215. Zalaffi, Benedetto, and Sons, Siena. Wrought iron.	743

## GROUP 119.

217. Biondi, Filippo, Catania. Locks.	747
218. Licciardello, Salvatore, Acireale. Nails.	740
219. Luini, B. E., & Co., Milan. Saws.	740
220. Pagani, A. C. & Bros., Milan. Saws.	740

## GROUP 121.

222. Losacco & Capri, Bari. Matches.	
223. Stento, Raffaele, Chieti. Cages.	
224. Fantappie, Stefano & Sons, Florence. Pumping apparatus.	

Exhibits Classified in other Department but Installed in this.

## DEPARTMENT K.

## GROUP 139.

Exhibit No.	
225. Andreoni Gallery, Pisa. Marbles.	
226. Andreoni, Orazio, Rome. Marble statue.	
227. Bazzanti & Son, Florence. Marble.	
228. Frilli, Antonio, Florence. Marble.	
229. Ghirardi, Vittorio, Carrara. Marble.	
230. Lapini Bros., Florence. Marbles.	
231. Montarsolo, Vittorio, Genoa. Marble.	
232. Scheggi Bros., Florence. Marbles.	
233. Vannetti, Cesiano, Leghorn. Marble statue.	
234. Ventimiliano Hospital, Palermo. Marble.	
235. Vichi, Ferdinando, Florence. Marble.	

## JAMAICA.

## LOCATION—SEC. C, BLOCK 4.

Chemicals, Furniture and Decorations, Ceramics and Masses, Fibres, Clothing.

## GROUP 107.

1. Green's Case, Kingston.	
2. Hodge & F. E., May Pen. Oil.	
3. Hodge & F. E., May Pen. Extract.	
4. Hodge & F. E., May Pen. Extract.	
5. Hodge & F. E., May Pen. Extract.	
6. Hodge & F. E., May Pen. Extract.	
7. Hodge & F. E., May Pen. Extract.	
8. Hodge & F. E., May Pen. Extract.	
9. Hodge & F. E., May Pen. Extract.	
10. Hodge & F. E., May Pen. Extract.	

## GROUP 108.

1. Finlayson, A. Kingston. Paper.	
2. Finlayson, A. Kingston. Paper.	
3. Finlayson, A. Kingston. Paper.	
4. Finlayson, A. Kingston. Paper.	
5. Finlayson, A. Kingston. Paper.	
6. Finlayson, A. Kingston. Paper.	
7. Finlayson, A. Kingston. Paper.	
8. Finlayson, A. Kingston. Paper.	
9. Finlayson, A. Kingston. Paper.	
10. Finlayson, A. Kingston. Paper.	

## GROUP 109.

11. Commissioner for Jamaica, Kingston.	
12. Commissioner for Jamaica, Kingston.	
13. Commissioner for Jamaica, Kingston.	
14. Commissioner for Jamaica, Kingston.	
15. Commissioner for Jamaica, Kingston.	
16. Commissioner for Jamaica, Kingston.	
17. Commissioner for Jamaica, Kingston.	
18. Commissioner for Jamaica, Kingston.	
19. Commissioner for Jamaica, Kingston.	
20. Commissioner for Jamaica, Kingston.	

## GROUP 110.

21. Commissioner for Jamaica, Kingston.	
22. Commissioner for Jamaica, Kingston.	
23. Commissioner for Jamaica, Kingston.	
24. Commissioner for Jamaica, Kingston.	
25. Commissioner for Jamaica, Kingston.	
26. Commissioner for Jamaica, Kingston.	
27. Commissioner for Jamaica, Kingston.	
28. Commissioner for Jamaica, Kingston.	
29. Commissioner for Jamaica, Kingston.	
30. Commissioner for Jamaica, Kingston.	

## Laces, Traveling Equipments, Toys, Leather, Miscellaneous

## GROUP 106.

Exhibit No.	Class'n No.
Astwood, Miss J., Kingston.	Fancy 665
Maclaverty, The Misses, Cold Spring.	Fancy work. 665

## GROUP 108.

Commissioner for Jamaica, Kingston.	Walking stick. 681
Eastwood, H. H., Four Paths.	Walking sticks. 681
Harris, Robert, Kingston.	Walking sticks. 681
Husband, A. E., Newport.	Walking sticks and whip sticks. 681
Pitter, F. T., Kingston.	Walking sticks. 681

## GROUP 110.

Clark, Mrs. Jas. E., Grand Turk.	Fancy shell boxes. 695
Commissioner for Jamaica, Kingston.	Fancy work. 695
Cork, Miss J., St. Ann's Bay.	Fancy work. 695
Facey, Mrs., Kingston.	Fancy work. 695
Ganntlett, Miss A. B., Falmouth.	Fancy work. 695
Hall, Miss C., Bogwalk.	Fancy work. 695

Hendrick, Mrs. Thomas, Kingston.	Fancy work; painted screens; dish cover. 695
Lady, Musgrave's Women's Self Help Society, Kingston.	Fancy dagger work; work. 695
Lynch, Miss M., Kingston.	Fancy work. 695
Lash, Mrs., Watson Hill.	Cashew nuts. 695
Languinetti, Miss B. E., Kingston.	Fancy work. 695
McTeer, Miss, Claremont.	Fancy work. 695
Murland, Mrs., May Pen.	Fibre work. 695

## GROUP 111.

Assis, John, Kingston.	Leather. 696
Byons & Clarke, Kingston.	Tanned skins. 696

Items Classified in Other Departments but installed in this.

## DEPARTMENT A.

## GROUP 2.

Alexander, N., Trinityville.	Cassava bark, tapioca. 16
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Exhibit No.	Class'n No.
43. Bello, Manuel, Kingston.	Banana meal. 16
44. Bogle, Johnson, Trinityville.	Tapioca, arrow-root, etc. 16
45. Commissioner for Jamaica, Kingston.	Cassava starch and cakes, arrow-root and tapioca. 16
46. Cumming, T. W., Montego Bay.	Banana meal. 16
47. Hall, J. P., Brown's Town.	Banana chips, meal and starch. 16
48. Hibbert, J. M., May Pen.	Tapioca. 16
49. Hines, Mrs., Spanish Town.	Cassava starch. 16
50. James, A., Port Morant.	Banana meal. 16
51. Lambert, Mrs., Shooters' Hill.	Cassava starch, tapioca and arrow-root. 16
52. Martin, Mrs. Susan, Cross Keys.	Starches and arrow-root meals. 16
53. Nairne, C. F., May Pen.	Banana meal. 16
54. Reddish, Mrs., Four Paths.	Starches and tapioca. 16
55. Walker, H., Retreat.	Farina, dried bread fruit, arrow-root, banana meal. 16

## GROUP 3.

56. Craig, Robert, Chapelton.	Sugar. 17
57. Ewing, Alexander C., Spanish Town.	Sugar. 18
58. Farquharson, J. C., Montego Bay.	Sugar. 18
59. Farquharson, J. M., Santa Cruz.	Sugar. 18
60. Gordon, C., Spanish Town.	Beeswax and honey. 26
62. Grinan, J., Kingston.	Sugar. 18
63. Kerr, Wm., Falmouth.	Sugar. 18
64. Levy, Chas., Kingston.	Sugar. 18
65. Logan, Quintin, Four Paths.	Sugar. 17
66. McCatty, A. G., & Son, Montego Bay.	Syrup. 18
67. Robinson, A., Kingston.	Sugar. 18
68. Shearer, J. W., Duncans.	Sugar. 18
69. Trealeven, C., Lacovia.	Sugar. 18
70. Verley, Louis, Kingston.	Sugar. 18

## GROUP 8.

71. Abrahams, E. R., Four Paths.	Coffee. 45
	& Pimento. 47
72. Anderson, T., Four Paths.	Coffee. 45
73. Bogle, Johnson, Trinityville.	High mountain coffee, kola, cocoa, etc. 45
	& Pimento. 45

## Miscellaneous.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
74. Davidson, John, Kingston.		103. Shaw, Robt., Christiana. Coffee.	
<i>a</i> High mountain coffee, kola beans,	45	104. Silvera, A. P., Oracabessa. K	
cocoa.	45	powder and kola beans.	
<i>b</i> Pimento.	47	105. Steer, C. W., Claremont. Piment	
75. Douet, A. W., Claremont.			
<i>a</i> Coffee, kola.	45	106. Stephens, J. A., Hagley Gap. H	
<i>b</i> Pimento.	47	mountain coffee.	
76. Douet, Geo. A., Four Paths. Coffee.		107. Stewart, Elias, Bath. Coffee.	
	45	108. Taylor, G. G., Hagley Gap. H	
78. Edwards, Henry, Porus. Coffee.	45	mountain coffee.	
79. Embden, S., Devon. Coffee.	45	109. Walker, David, Devon. Piment	
80. Ewing, Alexander C., Spanish Town. Coffee.	45	110. Walker, H., Retreat.	
81. Gossett, Treleavan & Co., Hagley Gap. High mountain coffee.	45	<i>a</i> Coffee.	
82. Gray, J. W., St. Ann's Bay. Tobacco.	48	<i>b</i> Cayenne pepper.	
		111. Wynne, W. W., Mandeville. Co	
83. Hall, Rev. J. P., Brown's Town.			
<i>a</i> Coffee.	45	GROUP 9.	
<i>b</i> Pimento.	47	112. Bayley, E. A., Devon. Asso	
84. Heaven, de B. Spencer, Hagley Gap. High mountain coffee.	45	fibres.	
85. Hibbert, J. W., May Pen. Kola powder.	45	113. Burke, John, Trinityville. Ba	
86. Hibbert, J. L., May Pen. Coffee.	45	fibre.	
87. Ingram, Miss C., Chapelton. Kola powder.	45	114. Davey, E., Devon. Fibres.	
88. Key, Rev. E. Bassett, Balaclava. Vanilla beans.	45	115. Harriott, H. F., Turk's Island. fibre.	
89. Machado, B. & J. B., Kingston. Cigars and cigarettes.	52	116. Stubbs, A., Grand Turk, Tu	
90. MacLavery, Mrs., Cold Spring. High mountain coffee.	45	Islands. Fibres.	
91. Manners, Dr. T. F., Bull Bay. Cayenne pepper.	47		
92. Marschalleck, Mrs., Chapelton. Cayenne pepper.	47	GROUP 10.	
93. Martin, N. C., Cross Keys.		117. Kinkead, Ed. D., Kingston. champagne, ginger ale, lemonade, etc	
<i>a</i> Coffee.	45	118. McCatty, A. G. & Son, Monage Aerated waters.	
<i>b</i> Pimento.	47		
94. Martin, T. M., Kingston. High mountain coffee.	45	GROUP 11.	
95. Maxwell, Wm., Four Paths. Plantation coffee.	45	119. Boettcher, G. & Co., Spanish T	
96. McLean, D., Easington. Cayenne pepper.	47	Rum.	
97. McLean, John, Cold Spring. High mountain coffee.	45	120. Bird & Watson, Kingston.	
97a. Nairne, C. F., May Pen. Kola powder.	45	<i>a</i> Rum.	
98. Neyland, Dr. A. C., Plantain Garden River. Cocoa.	45	<i>b</i> Wine and cordial.	
99. Pringle, Dr. J., Annotto Bay. Cocoa.	45	121. Blair, H., Anchovy. Rum.	
		122. Craig, Robert, Chapelton. Rum	
100. Robertson, H., Walker's Wood. Kola beans.	45	123. Delgado Bros., Falmouth.	
101. Sabonadiere, W. A., Arntully. High mountain coffee.	45	<i>a</i> Rum.	
102. Sant, W. E., Knipton. Nutmegs.	47	<i>b</i> Quinine bitters.	
		124. DeMercado, Miss H., Kingston. per wine.	
		125. Desporte & Co., Kingston.	
		<i>a</i> Rum.	
		<i>b</i> Cordials and liqueurs.	
		126. Douet, A. W., Claremont. Pim	
		cordial.	
		127. Farquharson, J. C., Latium. Rum	
		128. Farquharson, J. M., Santa C	
		Rum.	
		129. Grisan, J., Kingston. Rum.	
		130. Kerr, Wm., Falmouth. Rum.	
		131. Logan, Quintid, Four Paths. Rum	
		132. Martin, N. C. Cross Keys. Pim	
		dram.	

## Miscellaneous.

Exhibit No.	Class'n No.
Martin, T. M., Kingston. Rum.	67
McCatty, A. G. Sons, Montego Bay.	69
a Liqueurs.	69
b Bitters.	70
Nelson, D., St. Ann's Bay. Vinegar.	71
Robinson, A., Kingston. Rum.	67
Samuda, J. B., Four Paths. Bitters.	70
Scott, Alex., Duncans. Vinegar.	71
Shearer, J. W., Duncans.	67
a Rum and spirits.	67
b Cordials.	69
c Vinegar.	71
Simon & Co., Kingston.	67
a Rum.	67
b Liqueurs.	70
Stewart, R. E., Newport. Orange	69
try.	69
Trealevan, C., Lacovia. Rum.	67
Verley, James L., Kingston.	69
a Pimento cordial.	69
b Angostura bitters.	70
c Cane juice vinegar.	71
Verley, Louis, Kingston. Rum.	67

## GROUP 17.

Commissioner of Jamaica, Kingston.	90
nd-painted turtle back, arms of Jamaica.	90
Cover, Wm. J., Brown's Town. Cave	93
th (guano).	93

## GROUP 18.

Walker, H., Retreat. Coconut and	95
tor oils, oil of pepper.	95

## DEPARTMENT B.

## GROUP 20.

Desporte & Co., Kingston. Wines.	128
McCatty, A. G., & Son, Montego	128
Wines.	128

## GROUP 21.

Coeke, Miss, Bethel Towns. Pre-	140
es.	140
De Mercado, Miss H., Kingston.	140
a Preserved fruits.	142
b Crystallized fruits.	142
Fulford, E., Alligator Pond. Lime	143
.	143
Martin, Mrs. Susan, Cross Keys.	140
erves.	140
Martin, N. C., Cross Keys. Lime	143
.	143
Reece, Mrs. I. Richard, Pedro. Pre-	140
ed fruits, marmalade, etc.	140

Exhibit No.	Class'n No.
155. Shearer, J. W., Duncans. Lime juice	143
and sweet orange juice.	143
156. Silvera, A. P., Oracabessa. Guava	141
jelly.	141
157. South, James, Kingston. Preserved	140
pineapples.	140
158. Taylor, Mrs., Kingston. Jamaica	138
fruits in wax.	138
159. Vaughan, Mrs., Grange Hill. Pre-	140
serves.	140
160. Vickers, Chas. B., Sav la Mar. Lime	143
juice.	143

## GROUP 22.

161. Harding, the Misses, Kingston.	160
Ferns.	160
162. Harrison, E. Norman, Ocho Rios.	167
Impressions of native leaves.	167

## GROUP 23.

164. De Mercado, Miss H., Kingston.	177
Assorted pickles.	177
165. Henderson, Mrs. G., Gordon Town.	176
Preserved tree tomatoes.	176
166. McLeod, C., Whitehouse. Sauces.	177
	177
167. Nairne, C. F., May Pen. Beans.	172
168. Reece, Mrs. J. Richard, Pedro.	177
Pickles.	177

## GROUP 24.

169. Walker, H., Retreat. Seeds and	179
starch beans.	179

## DEPARTMENT E.

## GROUP 46.

170. Berry, Carey B., Glengoffe. Clays.	304
	304
171. Tomlinson, R. B., Lacovia. Pottery	304
sand.	304

## GROUP 48.

172. Harriott, H. F., Turk's Island. Salt.	314
	314
173. Stubbs, A., Turk's Island. Salt.	314
	314

## GROUP 51.

174. Paine, W. S., Kingston. Grey copper	340
ore.	340

## DEPARTMENT G.

## GROUP 83.

176. Grant, Samuel, Morant Bay. H-	
collars of banana trash.	

## Miscellaneous.

## DEPARTMENT K.

## GROUP 140.

- | Exhibit No. |  | Class'n No. |
|-------------|--|-------------|
| 177.        | Eves, C. Washington, C. M. G., London, England. Band of Her Majesty's 1st West India regiment. |             |
| 178.        | Lee, Mrs. Jessie M., Chapelton. Paintings.   |             |
| 179.        | Thompson, Charlton, Morant Bay. Paintings.   |             |

## DEPARTMENT L.

## GROUP 148.

- |       |   |     |
|-------|---|-----|
| 179a. | Ormsby, J., Cave Valley. Stramonium seeds.                  | 834 |
| 179b. | Silvera, A. P., Crescent, Oracabessa. Kola powder and nuts. | 834 |
| 179c. | Taylor, G. G., Hagley Gap. Cinchona roots.                  | 834 |

## GROUP 149.

- |       |  |     |
|-------|--|-----|
| 179d. | Alpha Cottage, Convent of Mercy, Kingston. Straw work. | 843 |
|-------|--|-----|

## GROUP 150.

- |      |   |     |
|------|---|-----|
| 180. | Feurtado, W., Kingston. History and laws of Jamaica.  | 854 |
| 181. | Government Printing Office, Kingston. Law books and maps of Jamaica.                            | 863 |
| 182. | Hart, A. J., Sr., St. Ann's Bay. Very old Hebrew Bible.   | 854 |
| 183. | Registrar General's Department, Spanish Town. Vital statistics of Jamaica, census report, 1891. | 863 |

## GROUP 151.

- |      |  |     |
|------|--|-----|
| 184. | Duperly & Co., Kingston. Views of Jamaica.                                     | 871 |
| 185. | Gardner, A. W. & Co., Kingston. Photographs of Jamaica scenery.                | 871 |
| 187. | Sanguinetti, E. H., Kingston. Views of Jamaica International Exhibition, 1891. | 871 |

## GROUP 154.

- |      |   |     |
|------|---|-----|
| 188. | De Souza, Mortimer C., Kingston. Commercial almanacs. | 895 |
|------|---|-----|

## DEPARTMENT M.

## GROUP 161.

- | Exhibit No. |  | Class'n No. |
|-------------|--|-------------|
| 182.        | Church, F. S., Mandeville. Axes, spear heads, etc.     |             |
| 183.        | Key, Rev. E. Bassett, Balachwa. Carib stone axes, etc. |             |

## DEPARTMENT N.

- |      |   |     |
|------|---|-----|
| 184. | Alpha Cottage Industrial School. Convent of Mercy, Kingston. Straw work baskets, hats and frames made by orphan children.   | 11  |
| 185. | Ayton, Miss E., Four Paths. Ornamental seeds.   | 27  |
| 186. | Brown, C. A., Claremont. a Woods. b Seeds.  | 27  |
| 187. | Carty, John, Chapelton. Seeds, bark whips.  | 27  |
| 188. | Commissioner for Jamaica, Kingston. Carved cocoa and gru-gru nuts, bashes.  | 27  |
| 189. | Douet, A. W., Claremont. Vase seeds.  | 27  |
| 190. | Douet, W. M., Sav-la-Mar. Latex rubber.   | 27  |
| 191. | Eastwood, H. H., Four Paths. Carved cocoanuts.  | 27  |
| 192. | Fawcett, Wm., Director of Public Gardens and Plantations, Gordon Town. Jamaica woods, list and dried specimens of economic plants and list of the flora of Jamaica. | 11  |
| 193. | Harrison, Jas., Plantain Garden. River. a Cascarilla bark. b Carved cocoanuts.  | 27  |
| 194. | Key, Chas., Trinityville. Basket baskets.   | 11  |
| 195. | Lambert, Mrs., Shooter's Hill. Baskets.   | 11  |
| 196. | McLean, S., Santa Cruz. Basket baskets.   | 11  |
| 197. | Ormsby, Rev. J., Cave Valley. Stramonium seeds.   | 834 |
| 198. | Owen, J. E., Kingston. Flower stand.  | 27  |
| 199. | Rattigan, Mrs., Four Paths. Sea pods. (Sea cucumber.)   | 27  |
| 200. | Shaw, Robt., Christians. Anatomical models.   | 27  |
| 201. | Stewart, Chas., Bath. Carved cocoanuts.   | 27  |
| 202. | Tomlinson, R. B., Lacovia. a Gum. b Ornamental seeds.   | 27  |

## JAPAN.

LOCATION—SEC. G, BLOCKS 1-2-3-4.

## Chemicals and Druggists' Supplies.

## GROUP 87.

	Class'n No.	Exhibit No.	Class'n No.
ajiro Nakamura, Yamagata. Liquid perment.	549	26. Masakichi Kawabata, Hyogo. Re- fined camphor,	547
asajiro Hiroocka, Osaka. Perfumes.	549	27. Match Seizo Kumiai, Hyogo. Matches.	550
asaburo Fujita, Osaka. Deodorizer.	547	28. Matsunosuke Fukui, Osaka. Toilet soap.	549
eibei Okamura, Osaka. Oil.	548	29. Naosaburo Kimura, Osaka. Pomade.	549
ichiro Binnaka, Osaka. Matches.	550	30. Naokazu Yoshioka, Osaka. Soap.	549
ikotaro Miyake, Kyoto. Tooth pow- der.	549	31. Osaka Seisuishu, Osaka. Matches.	550
sakichi Tachiki, Tokyo. Tooth er.	549	32. Osaki Sakken Seizoshu, Osaka. Soap.	549
aro Ochi, Ehime. Cotton.	548	33. Ryozo Mishiyama, Osaka. Drugs.	547
ro Hinotsume, Ishikawa. Tooth er.	549	34. Sadanosuke Yoshikawa, Osaka. Fire- works.	551
tsuke Harumoto, Osaka. Refined camphor.	547	35. Sakuzemmon Jitsuno, Osaka. Soap.	549
Toilet soap.	549	36. Sampei Hirao, Tokyo. Toilet water; tooth powder.	549
megoro Tase, Yamagata. Liquid ermint.	549	37. Seihei Fukuda, Osaka. Tooth pow- der.	549
mejiro Arakawa, Osaka. Camphor d and crude).	547	38. Sei Kamei, Kanagawa. Chemists' wares.	548
suke Kobayashi, Yokohama. Pep- er (crystal and oil).	549	39. Seimon Ito, Osaka. Toilet soap.	549
hibei Matsubara, Osaka. Toilet	549	40. Shigeo Iwata, Yokohama. Fire- works.	551
hijiro Saito, Tokyo. Tooth pow- der.	549	41. Shinzaburo Tomita, Tokyo. Tooth powder.	549
hiraji Tase, Yamagata. Liquid pep- er.	549	42. Sobei Mishina, Kyoto. Tooth pow- der.	549
goro Ono, Tokyo. Tooth powder.	549	43. Sogoro Nagakawa and one other, Osaka. Joss sticks.	549
ii Takayama, Tokyo. Tooth pow- der.	549	44. Sohachi Oyama, Yamagata. Pepper- mint (liquid and crystal).	549
seimon Agano, Kumamoto. Cam- phor.	547	45. Takeyasu Kiyokawa, Nagasaki. Chemicals.	549
ei Kimura, Osaka. Matches.	550	46. Tatsuzo Hagiwara, Osaka. Toilet soap.	546
hichi Harima, Hyogo. Toilet	549	47. Teikichi Tanabe, Hyogo. Refined camphor.	547
ii Yokyta, Hyogo. Tooth soap.	549	48. Tokachi Fujimoto, Kumamoto. Cam- phor oil.	547
jiro Sakamoto, Fukuoka. Cam- phor.	547	49. Tokijiro Mihashi, Tokyo. Toilet water; tooth powder.	546
zo Kamagai, Kyoto. Joss sticks; es.	549	50. Tokunosuke Yaita, Tokyo. T powder.	
zo Tsutsui, Osaka. Matches.	550		

## Chemicals and Druggists' Supplies, Paints and Dyes, Typewriters and Stationery.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
51. Tomanosuke Nishibata, Osaka.		74. Genjiro Teramura, Osaka.	Wall paper.
Drugs.	547		568
52. Tomojiro Yamashita, Osaka.	Toilet soap.	75. Genjyun Matsui, Nara.	Japanese ink.
	549		564
53. Tsunejiro Kuroiwa, Miyazaki.	Camphor.	76. Genshiro Shimizu and six others.	Gifu. Stationery goods.
	547		564
54. Yasugoro Naruo, Osaka.	Refined camphor.	77. Genta Yoshii, Kochi.	
	547	a Papier-mache.	557
55. Yasunori Fukutomi, Osaka.	Tooth powder.	b Yakutai and tissue papers.	558
	549	c Lithographic paper.	560
56. Yasutaro Doi, Miyazaki.	Camphor.	d Tracing, blotting; copying paper.	560
	547	78. Genzaburo Fujita, Hyogo.	Paper.
57. Zenkichi Waikata, Osaka.	Tooth powder.		558
	549	79. Genzaemon Ota, Shizuoka.	
GROUP 88.		a Paper.	558
58. Hachiro Ikata, Tokushima.	Indigo.	b Writing paper.	560
	552	c Ornamental paper.	562
59. Kaemon Nishino, Tokushima.	Indigo.	80. Hachijyuro Takatsu, Hiroshima.	Paper.
	552		558
60. Kinujiro Niizaki, Tokushima.	Indigo.	81. Hachirozaemon Kiyomizu, Miyazaki.	
	552	a Paper.	558
61. Masuzo Sato, Tokushima.	Indigo.	b Wrapping paper.	558
	552	82. Harujiro Osuka, Tokushima.	Paper.
GROUP 89.			558
62. Ansho Yamamoto, Kumamoto.		83. Heijiro Suga, Shizuoka.	Paper.
a Paper napkins.	557		560
b Paper.	558	84. Hideo Nakayama, Kochi.	
63. Asaichiro Fojii, Shimane.	Paper.	a Paper.	558
	556	b Drawing and blotting paper; envelopes.	560
64. Banseisha, Saga.		c Ornamental and decorated paper.	562
a Paper.	556	85. Hikozaemon Watanabe, Shizuoka.	Paper.
b Paper napkins.	557		560
65. Besshinsha, Shizuoka.	Paper.	86. Kiryu Crape Manufacturing Company.	Gumma. Crape.
	558		560
66. Bunsaburo Takami, Tokushima.	Paper.	87. Ichibei Kawagishi, Kumamoto.	Stationery goods.
	556		564
67. Chujiro Narukawa, Saitama.	Paper.	88. Iemon Tanimura, Tokyo.	Paper knife.
	556		564
68. Commercial and Manufacturing Bureau.	Specimens showing process of manufacturing paper articles.	89. Ihei Oka, Osaka.	Pencil sharpeners.
	557		564
69. Denjyuro Inoue, Kochi.		90. Iida-Bussan-Kwaisha, Nagano.	Paper strings; floor matting.
a Tissue papers.	558		562
b Copying and blotting paper.	560	91. Jinzaburo Hagiwara, Tokyo.	Paper.
c Oil paper.	563		560
70. Edogawa Paper Manufacturing Company, Tokyo.		92. Jirobei Yamada, Tokyo.	Wall paper.
a Paper.	556		563
b Writing paper; envelopes.	560	93. Jizaemon Hiroba, Fukui.	Paper.
71. Eisuke Matsui, Gifu.			562
a Paper.	556	94. Jyunnosuke Sekiguchi, Tokyo.	Paper articles.
b Wrapping paper.	558		564
72. Fuji Paper Manufacturing Company, Tokyo.		95. Kaichiro Inada, Hiroshima.	Paper.
a Paper pulp and paper stock.	556		562
b Wood and straw boards.	557	96. Kakutarō Kato, Fukui.	Printing paper.
c Paper.	559		560
73. Fukutarō Tanikawa, Yokohama.		97. Katsutaro Uchiyama, Shizuoka.	Paper.
a Paper.	556		560
b Envelopes.	560	98. Katsuyuki Utsumi, Hyogo.	Paper.
c Wall paper.	563		560

## Typewriters, Paper, Blank Books, Stationery.

	Class'n No.	Exhibit No.		Class'n No.
Kiichirō Tamanaga, Tokyo. Erasers.	564	129.	Sanjiro Matsui, Gifu. Paper.	556
Kibachi Fusayasu, Tottori. Paper.	556	130.	Sankosha, Shizuoka.	
Kisaburo Nishio, Tokyo. Paper	564		a Paper.	556
Kobachi Nishio, Tottori. Paper.	556		b Wrapping paper.	558
Koichirō Takase, Shizuoka. Paper.	558		c Writing paper.	560
Koichiro Takase, Shizuoka. Paper.	558	131.	Seijyuro Taniguchi, Tottori. Paper.	556
Kosuke Kano, Osaka. Paper cut-	564	132.	Seiroku Shimizu. Tottori. Paper.	556
Kumagoro Taniguchi, Tokyo. Wall	563	133.	Seizo Yamoto, Tokyo. Imitation	
Kurakichi Yamahora, Tokyo. Wall	563		leather work.	557
Kyūzō Kumagai, Kyōtō. Japanese	564	134.	Siezo Yamashiro, Kumamoto. Imitation leather.	557
writing brushes.	564	135.	Senshiro Miyahara, Tokyo. Mold-	
Samemon Suda, Gifu.	556		ing paper.	557
Wrapping paper.	558	136.	Sensuke Kurita, Osaka. Writing	
Sasuta Kimura, Kumamoto. Paper.	556		brushes; Japanese ink.	564
Iatabei Iwa, Osaka. Oil paper.	563	137.	Shinetaro Kuto, Gumma. Cardboard.	557
Iatashichi Yamaguchi, Osaka. Pen-	564	138.	Shinyosha, Fukui. Paper.	556
riters.	564	139.	Shinzo Sakamoto, Oita. Paper.	556
Iatsujirō Fukunishi, Nara. Paper.	556	140.	Shizuoka Paper Manufacturing Co.,	
Iinetaro Nota, Hiroshima. Paper.	560		Minamiuramachi, Shizuoka. Paper.	560
Izoaemon Shimamura, Tokyo. Dec-	562	141.	Shizuoka Paper Manufacturing Com-	
orative paper.	562		pany, Zaimokuchō, Shizuoka. Paper.	556
Iumekichi Mochizuki, Shizuoka.	560	142.	Shōichirō Ohara, Tōkyō. Rulers.	548
Iope paper.	560	143.	Shūshaku Saruwatari, Kumamoto.	
Iojiro Teshigawara, Gifu.	557		Paper.	558
Paper napkins.	562	144.	Sojiro Ito, Tokyo. Wall paper.	563
Ornamental paper.	562	145.	Sueto Fujiki, Tōkyō. Stenographic	
Iokichi Azumi, Hyogo. Paper.	556		apparatus.	564
Iaraken Yoshino Paper Association,	556	146.	Suketaro Kajiware, Oita. Paper.	556
Paper.	556	147.	Sukeemon Takei, Gifu.	
Ibuaya Tsukamoto, Okayama.	550		a Paper.	556
Iaka-Abe-Paper Mill, Osaka.	558		b Paper napkins.	557
Wrapping paper.	559	148.	Sukezaemon Takei, Gifu.	
Iuro Ogata, Ehime. Paper.	556		a Paper.	558
Iue Kawato, Tottori. Paper.	556		b Drawing paper.	560
Iasuke Saikawa, Shimaue. Paper.	556	149.	Tamekichi Ito, Tokyo.	
Ihei. Iketani, Shizuoka. Paper	556		a Molding paper.	557
Iyuro Miyatake, Nara. Japanese	564		b Ornamental paper.	562
Iehiko Inada, Kumamoto. Paper.	558		c Drawing instruments.	564
Iemon Shimada, Osaka. Paper	557	150.	Tamekichi Ito, Tōkyō. Copying pa-	
	557		per.	560
		151.	Tahachi Tsuda, Hiroshima. Paper.	558
		152.	Taiichi Fukunishi, Nara. Paper.	556
		153.	Tarohei Watanabe, Kanazawa.	
			a Paper.	556
			b Blotting paper.	560
		154.	Tarojiro Hagiwara, Shizuoka. Paper.	557
		155.	Taosa Kubota, Shizuoka. Paper.	558
		156.	Tazo Yasuda, Hyogo. Cards.	557
		157.	Tokichi Matsuda, Tokyo. Wall pa-	
			per.	563

## Typewriters, Paper, Stationery, Furniture and Decorations.

Exhibit No.	Class'n No.	
158.	556	Tokubei Honmei, Hiroshima. Paper.
159.	556	Tokuhei Komota, Ehime. Paper.
160.	558	Tokujiro Taniguchi, Tokyo. Paper (tissue).
161.	560	Tokujiro Taniguchi, Kyoto. Copying paper.
162.	564	Tomazo Watanabe, Tokyo. Paper box (lacquered).
163.	556	Torzo Harada, Tokushima. Paper.
164.	558	Tosa Paper Trade Union, Kochi.
	562	a Paper.
	560	b Hand-made paper.
	560	c Writing paper.
165.	560	Torakiyo Sato, Tokyo.
	564	a Paper.
	564	b Pen case.
166.	557	Toyohachi Yasuda, Gifu.
	562	a Paper napkins.
	562	b Ornamental paper; paper.
167.	564	Toyotarō Kusakari, Tokyo. Paper knife.
168.	556	Treasury Department, Paper mill section of Printing and Engraving Bureau.
	556	Paper.
169.	564	Tsuneshichi Kuwahara, Osaka. Writing brushes.
170.	565	Tsuruji Kano, Hiroshima. Paper.
171.	558	Uhachi Harada, Tokushima. Paper.
172.	556	Wasaku Toyama, Kumamoto. Paper.
173.	556	Yagozo Mashiba, Hiroshima. Paper.
174.	557	Yasu Araki, Osaka. Paper napkins.
175.	556	Yonosuke Kondo, Hyogo. Bleached bark of Edgeworthia Papyrifera (for paper making).
176.	556	Yoshiharu Tone, Tokyo.
	556	a Paper; paper stock.
	557	b Molding paper.
177.	556	Yoshinori Matsuzawa and one other, Saitama. Paper.
178.	556	Yukichi Kojima, Hyogo. Paper.
179.	556	Zempei Tanaka, Fukuoka. Paper.
180.	556	Zentaro Kawachi and one other, Ehime. Paper.
181.	556	Zenshichi Goto, Gifu. Paper.
182.	562	Zenshichi Goto, Gifu. Paper.

## GROUP 90.

183.	567	Asajiro Ichishima, Tokyo. Lacquer ware.
184.	567	Asajiro Narita, Tokyo. Lacquer work.

Exhibit No.	Class'n No.	
185.	567	Baison Okada, Tokyo. Picture.
186.	567	Bekko Ando, Tokyo. Carving.
187.	567	Bunkichi Ogawa, Chiba. Bamboo screens.
188.	562	Chōgorō Horino, Ōsaka. Bamboo curtains.
189.	567	Chōjiro Suzuki, Kyoto. Lacquer work.
190.	563	Chokichi Nakagawa, Yokohama. Lacquer work.
191.	563	Chōshichi Kōsaka, Shizuoka. Book cabinet.
192.	568	Chozo Watanabe, Yokohama. Screens.
193.	568	Chyojiro Okada, Tokyo. Fancy boxes.
194.	567	Commercial and Manufacturing Bureau. Specimens showing process of manufacturing lacquer work.
195.	567	Daisuke Kato, Yokohama. Furniture.
196.	567	Benjiro Hamamura, Tokyo. Cash boxes.
197.	568	Denjiro Mitani, Ishikawa. Lacquer ware.
198.	567	Eijirō Hoshino, Chiba. Bamboo screens.
199.	567	Eikichi Ishii, Tokyo. Lacquer work.
200.	567	Ei Tawara, Tokyo. Lacquer goods.
201.	567	Geisan Takano, Kumamoto. Screens.
202.	568	Genkichi Ishio, Osaka. Screens.
203.	568	Gensuke Inuma, Tokyo. Cigar boxes.
204.	567	Gimbei Kuroha, Ibaraki. Lacquer screens.
205.	568	Gisaburō Ōsawa, Gifu. Window curtains.
206.	568	Gisuke Miyamoto, Kyoto. Window curtains.
207.	567	Gohei Katsuraki, Kanazawa. Fancy box (carved).
208.	567	Gohei Tomon, Osaka. Furniture.
209.	567	Gyoshun Tsuchiya, Tokyo. Pictures.
210.	567	Hanko Kajita, Tokyo. Picture.
211.	567	Hanshire Sakai, Tokyo. Boxes and napkin rings.
212.	567	Heibei Yoshida, Hōyō. Screens.
213.	567	Heibei Watatani, Ishikawa. Articles for house decoration.
214.	567	Heikichi Inoue, Osaka. Screens.
215.	567	Hikobei Nichimura, Kyoto. Lacquer ware.
216.	567	Hyosai Kimura, Kyoto. Lacquer ware.

## Furniture and Decorations.

	Class'n No.	Exhibit No.	Class'n No.
Hyoemon Nagakura, Shizuoka. Bam- screens.	567	245. Kazumasa Kawai, Kanazawa. Book case (lacquered).	567
Ichibei Kawagishi, Kumamoto. Lac- quer ware.	567	246. Kichibei Araki, Osaka. Shelves.	570
Ichibei Kumagi, Kyoto.		247. Kichibei Nakamura, Tokyo. Lacquer work.	567
a Embroidery, screen; velvet hang- ings.	573	248. Kichibei Tsuda, Ishikawa. Fancy box (lacquered).	567
a Window curtains.	568	249. Kichibei Matsuoka, Ishikawa. Lac- quer work.	567
a Fire screens.	567	250. Kichiji Watano, Ishikawa.	
Ichimatsu Wada, Osaka. Bamboo et.	567	a Lacquer ware.	567
Ichitare Morimura, Tokyo.		b Articles for house decoration.	572
a Furniture.	567	251. Kichirobei Yamanaka, Osaka.	
a Embroidery work.	573	Screens.	567
Ichyō Kawanobe. Lacquer work.	567	252. Kiemon Amano, Osaka. Curtains; screens.	568
hei Fujiwara, Osaka. Furniture (er work).	567	253. Kihachiro Kawamoto, Kyoto. Lac- quer work.	567
hei Nakao, Osaka. Fire screens.	567	254. Kihachirō Tamaguchi, Ishikawa. Trays (lacquered).	567
Kujiro Hata, Kanazawa. Lacquer		255. Kijiro Saito, Tokyo. Picture.	567
ware.	567	256. Kikunosuke Oka, Yokohama. Arti- cles for house decoration.	572
Kabura Sanada, Kyoto. Lacquer		257. Kimbei Kusakabe, Yokohama. Arti- cles for house decoration.	572
ware.	567	258. Kintarō Saka, Tōkyō. Window curtains.	568
Ichimatsu Izushi, Kyoto. Lacquer		259. Kisaburo Hirasawa, Kanazawa.	
ware.	567	Lacquer ware.	567
Iwajiro Kambayashi, Tokyo. Paper		260. Kisaburō Ishizumi, Kyoto. Fire screens.	567
ware.	567	261. Kisaburo Nishio, Tokyo. Lacquer ware.	567
Ichirō Terao, Kanazawa. Lacquer		262. Kogoro Sugita, Tokyo. Mirror frame.	569
ware.	567	263. Kojiro Kobayashi, Tokyo. Lacquer ware.	567
hei Nishimura, Kyoto.		264. Konkichi Yoshikawa, Kanazawa.	
Hangings for decoration.	568	Screens.	567
Screen made of yuzen fabric.	567	265. Kosaburo Mikami, Kyoto. Lacquer work.	567
hei Oka, Osaka. Furniture.	567	266. Kozaburo Tamamura, Yokohama. Articles for house decoration.	572
Hyoemon Miyaji, Ishikawa. Book (lacquered).	567	267. Kosaburo Usui, Kyoto. Artistic decoration (for walls).	571
Kaburo Mikami, Kyoto. Lacquer		268. Kuhei Manki, Tokyo. Lacquer paper ware.	567
ware.	567	269. Kuninosuke Soma, Tokyo. Pictures.	567
Kaku Sawada, Kanazawa. Lacquer		270. Kurosaku Murakami, Kanazawa. Carved articles.	567
ware.	567	271. Kyoto Ito-Mono Association, Kyoto. Screens.	567
hei Saito, Osaka. Furniture.	567	272. Kyoto Itomono-Kyōkwai, Kyoto. Fire screens.	567
Umbei Takagi, Tokyo. Antimony ents.	567	273. Kyubei Tanaka, Tokyo. Bamboo shelves.	567
Unejire Aihara, Tokyo. Crystal ents.	567	274. Kyūjiro Kobayashi, Kyoto. Em- broidered screens.	573
Unejiro Yamanishi, Tokyo. Picto- ques.	567		
Nesaburo Wakai, Tokyo. Lacquer			
ware.	567		
Nsai Trading Company, Kyoto.			
Lacquer ware; furniture.	567		
Bamboo curtains.	568		
Shichi Nosue, Tokyo. Screens.	567		
Shichi Sano, Tokyo. Lacquer			
ents.	567		
Suke Kubota, Ishikawa. Lacquer			
ware.	567		

## Furniture and Decorations.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
275. Kyutaro Tanaka, Tokyo.	Lacquer	305. Rishichi Tanaka, Kyoto.	
incense case.	567	a Ceiling.	
276. Lacquer Work Company, Tokyo.		b House furniture.	
Lacquer work.	567	c Embroidery work.	
277. Magoemon Katō, Ishikawa.	Lacquer	306. Ryūhei Yokoyama, Kanazawa.	
ware.	567	Carved plaque (lacquered).	
278. Magohei Inagaki, Kyoto.	Lacquer	307. Sadakichi Nomura, Tokyo.	
ware.	567	box.	
279. Magozaemon Kashiwabara, Tokyo.		308. Sakubei Oi, Osaka.	Curtains.
Lacquer ware.	567	309. Screen Manufactory, Hyōgo.	Bamboo
280. Masakatsu Kawagoe, Kanazawa.		curtains.	
Screens (lacquered).	567	310. Seibei Ina, Ishikawa.	Lacquer
281. Masakichi Saido, Tokyo.	Furniture,	work.	
etc.	567	311. Seibei Kanai, Osaka.	Furniture
282. Masanobu Mase, Tokyo.	Lacquer	(screens and pictures).	
ware.	567	312. Sei Kamei, Kanagawa.	Trays.
283. Masunosuke Suzuki, Yokohama.		313. Seikichi Ida, Osaka.	Bamboo
Articles for house decoration.	567		curtains.
284. Masutaro Takata, Tokyo.	Incense	314. Seiryō Weaving Company, Tokyo.	
burner.	567	shima. Window curtains.	
285. Matakichi Kawai, Kanazawa.	Hang-	315. Seiuke Ikeda, Kyoto.	Gold lacquer
ing picture.	567	box.	
286. Mayumi Araki, Tokyo.	Lacquer	316. Sennosuke Fukunaga, Tokyo.	
paper tray.	567	incense cases; lacquer trays.	
287. Monemon Amano, Kanagawa.	Lac-	317. Sentaro Sato, Yokohama.	Furniture
quer work.	567		
288. Morihachi Morishita, Ishikawa.	Lac-	318. Shichihei Oita, Osaka.	Bamboo
quer work.	567	work.	
289. Morihachi Morishita, Kanazawa.		319. Shichizo Shibayama, Tokyo.	
Lacquer ware; plaque.	567	carving.	
290. Motoyuki Nomura, Tokyo.	Furniture.	320. Shigeru Takata, Tokyo.	Table
	567	ers.	
291. Munenaga Hasegawa, Tokyo.	Lac-	321. Shinkichi Koyama, Tokyo.	Screen
quer tea case.	567	(lacquer).	
292. Naniwa Lacquer School, Kyōto.	Lac-	322. Shinshichi Miura, Osaka.	Screen
quer work.	567	323. Shinshichi Iida, Kyoto.	Silk
293. Naojirō Teshigawara, Gifu.	Stove	covers; art embroidery; screens; bed	
screens.	567	ers.	
294. Naonosuke Imamura, Yokohama.		324. Shinsuke Hayashi, Kyoto.	Lacquer
Lacquer work.	567	ware.	
295. Nippon Lacquer Work Company,		325. Shinzō Fujikawa, Kanagawa.	Lacquer
Osaka. Furniture.	567	ware.	
296. Nizaemon Ezawa, Tokyo.	Screens.	326. Shin Suzuki, Yokohama.	Articles
	567	for house decoration.	
297. Nozaku Oka, Kanazawa.	Lacquer	327. Shōbei Shiino, Yokohama.	Embroidery
ware.	567	work.	
298. Osaka Shoeisha, Osaka.	Curtains.	328. Shōichirō Nishimura, Tottori.	Curtain
	568	picture frames.	
299. Richachi Yōmaoka, Ishikawa.	Lac-	329. Shōjirō Kita, Osaka.	Furniture
quer work.	567	330. Shokoshi Hayakawa, Osaka.	
300. Rihei Ibuki, Hyogo.	Silk fabrics.	bamboo baskets and vase.	
573		331. Shotarō Fugimoto, Osaka.	Curtains
301. Rihei Ukita, Kyoto.	Fancy goods.		
	567	332. Shozaburo Yamamoto, Tokyo.	
302. Rihei Shingawa, Yokohama.	Furni-	tures; plaques.	
ture.	567	333. Shutaro Hayashi, Kanazawa.	
303. Rihei Yamamoto, Kyoto.	Lacquer	quer ware.	
ware.	567	334. Sogen Takano, Kyoto.	Lacquer
304. Rishichi Sawai, Hyōgo.	Curtains.	work.	
	568		

### Furniture and Decorations.

Class'a No.	Exhibit No.	Class'n No.
Sejirō Koshida, Kanazawa. Lacquer work.	364. Toramatsu Suzuki, Nagoya. Window curtains.	568
Soshiro Yoneda, Okinawa. Lacquered picture frames.	365. Toranosuke Namikawa, Osaka. Furniture.	567
Sotaro Suzuki, Kanazawa. Screens.	366. Toyotaro Kusakari, Tokyo. Furniture.	567
Sozaburō Asano: Lacquer work.	367. Tsunetaro Suzuki, Nagano. Oshei board.	567
Sozaemon Nishimura, Kyoto. Embroidery work.	368. Tsuya Sengoku, Tokyo. Lacquered incense case.	567
Soza Yoshikura, Kanazawa. Lacquer ware.	369. Unosuke Adachi, Kyoto. Lacquer ware.	567
Sukezo Sanukida, Tokyo. Lacquer ware.	370. Unosuke Nobuaji, Kyoto. Lacquer work.	567
Tadamasa Hayashi, Tokyo. Lacquer ware.	371. Unosuke Shibata, Tokyo. Lacquer ware.	567
Tagae Okumura, Tokyo. Oshiyce, a bath-pasting work.	372. Ushitaro Fukuda, Tokushima. Embroidered rugs.	573
Taishin Ikeda, Okinawa. Lacquer ware.	373. Waichi Okamoto, Osaka. Curtains; pictures.	568
Takayasu Sasaki, Tokyo. Lacquer ware.	374. Wasaburō Tsuruda, Kanazawa: Lacquer ware.	567
Takematsu Moriuchi, Chibi. Bamboo screens.	375. Yabei Toshima, Kyoto. Lacquer work.	567
Takijiro Kutsutani, Tokyo. Picture nd.	376. Yajiro Kagawa, Tokyo. Furniture.	567
Takizaburo Moriyasu, Yokohama. Pictures for house decoration.	377. Yakichi Uematsu, Tokyo. Lacquer work.	567
Tamejiro Kawamoto, Osaka. Bamboo curtains.	378. Yasaburo Hashimoto, Kyoto. Screens.	567
Tamekichi Ito, Tokyo. Furniture, etc.	379. Y. Shimizu, Tokyo. Lacquer ware.	567
Upholstery for windows.	380. Toyama. Table.	566
Tamezō Tamao, Kagawa. Lacquer ware.	Embroidery.	573
Tasuke Yamamoto, Osaka. Vases and baskets.	410. Genzatsu Okuhara, Kagoshima. Pottery.	573
Tatsujiro Hirata, Hyōgo. Curtains.	411. Genzatsu Okuhara, Kagoshima. Pottery.	573
Tojiro Ishino, Kanazawa. Plaques.	412. Genzatsu Okuhara, Kagoshima. Pottery.	573
Tokichi Matsuda, Tokyo. Screens.	413. Genzatsu Okuhara, Kagoshima. Pottery.	573
Tokujiro Kawai, Kyoto. Lacquer ware.	414. Genzatsu Okuhara, Kagoshima. Pottery.	573
Tokuemon Mikoshi, Tokyo. Ware.	415. Genzatsu Okuhara, Kagoshima. Pottery.	573
Tokujiro Tatsuike, Kyoto. Ware.	416. Genzatsu Okuhara, Kagoshima. Pottery.	573
Tokuzo Koisumi, Tottori. Ceramic vase stand.	417. Genzatsu Okuhara, Kagoshima. Pottery.	573
Tomojiro Endo, Tokyo. Ware.	418. Genzatsu Okuhara, Kagoshima. Pottery.	573
Tomosuka Sagaya, Tokyo. Ware.	419. Genzatsu Okuhara, Kagoshima. Pottery.	573
Tomozo Watanabe. Lacquer work.	420. Genzatsu Okuhara, Kagoshima. Pottery.	573
Torakiyo Sato, Tokyo. Ware.	421. Genzatsu Okuhara, Kagoshima. Pottery.	573
	422. Genzatsu Okuhara, Kagoshima. Pottery.	573
	423. Genzatsu Okuhara, Kagoshima. Pottery.	573
	424. Genzatsu Okuhara, Kagoshima. Pottery.	573
	425. Genzatsu Okuhara, Kagoshima. Pottery.	573
	426. Genzatsu Okuhara, Kagoshima. Pottery.	573
	427. Genzatsu Okuhara, Kagoshima. Pottery.	573
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	429. Genzatsu Okuhara, Kagoshima. Pottery.	573
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	431. Genzatsu Okuhara, Kagoshima. Pottery.	573
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	435. Genzatsu Okuhara, Kagoshima. Pottery.	573
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	464. Genzatsu Okuhara, Kagoshima. Pottery.	573
	465. Genzatsu Okuhara, Kagoshima. Pottery.	573
	466. Genzatsu Okuhara, Kagoshima. Pottery.	573
	467. Genzatsu Okuhara, Kagoshima. Pottery.	573
	468. Genzatsu Okuhara, Kagoshima. Pottery.	573
	469. Genzatsu Okuhara, Kagoshima. Pottery.	573
	470. Genzatsu Okuhara, Kagoshima. Pottery.	573
	471. Genzatsu Okuhara, Kagoshima. Pottery.	573
	472. Genzatsu Okuhara, Kagoshima. Pottery.	573
	473. Genzatsu Okuhara, Kagoshima. Pottery.	573
	474. Genzatsu Okuhara, Kagoshima. Pottery.	573
	475. Genzatsu Okuhara, Kagoshima. Pottery.	573
	476. Genzatsu Okuhara, Kagoshima. Pottery.	5

## Furniture and Decorations.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
275. Kyutaro Tanaka, Tokyo. Lacquer incense case.	567	305. Rishichi Tanaka, Kyoto.	
276. Lacquer Work Company, Tokyo. Lacquer work.	567	a Ceiling.	571
277. Magoemon Katō, Ishikawa. Lacquer ware.	567	b House furniture.	572
278. Magohei Inagaki, Kyoto. Lacquer ware.	567	c Embroidery work.	573
279. Magozaemon Kashiwabara, Tokyo. Lacquer ware.	567	306. Ryūhei Yokoyama, Kanazawa. Carved plaque (lacquered).	567
280. Masakatsu Kawagoe, Kanazawa. Screens (lacquered).	567	307. Sadakichi Nomura, Tokyo. Fancy box.	568
281. Masakichi Saido, Tokyo. Furniture, etc.	567	308. Sakubei Oi, Osaka. Curtains.	568
282. Masanobu Mase, Tokyo. Lacquer ware.	567	309. Screen Manufactory, Hyōgo. Bamboo curtains.	568
283. Masunosuke Suzuki, Yokohama. Articles for house decoration.	567	310. Seibei Ina, Ishikawa. Lacquer work.	567
284. Masutaro Takata, Tokyo. Incense burner.	567	311. Seibei Kanai, Ōsaka. Furniture (screens and pictures).	567
285. Matakichi Kawai, Kanazawa. Hanging picture.	567	312. Sei Kamei, Kanagawa. Trays.	567
286. Mayumi Araki, Tokyo. Lacquer paper tray.	567	313. Seikichi Ida, Osaka. Bamboo curtains.	568
287. Monemon Amano, Kanagawa. Lacquer work.	567	314. Seiryō Weaving Company, Tokushima. Window curtains.	568
288. Morihachi Morishita, Ishikawa. Lacquer work.	567	315. Seiuke Ikeda, Kyoto. Gold lacquer box.	567
289. Morihachi Morishita, Kanazawa. Lacquer ware; plaque.	567	316. Sennosuke Fukunaga, Tokyo. Incense cases; lacquer trays.	567
290. Motoyuki Nomura, Tokyo. Furniture.	567	317. Sentaro Sato, Yokohama. Furniture.	567
291. Munenaga Hasegawa, Tokyo. Lacquer tea case.	567	318. Shichihei Oita, Osaka. Bamboo work.	567
292. Naniwa Lacquer School, Kyōto. Lacquer work.	567	319. Shichizo Shibayama, Tokyo. Ivory carving.	567
293. Naojirō Teshigawara, Gifu. Stove screens.	567	320. Shigeru Takata, Tokyo. Table covers.	568
294. Naonosuke Imamura, Yokohama. Lacquer work.	567	321. Shinkichi Koyama, Tokyo. Screens (lacquer).	567
295. Nippon Lacquer Work Company, Osaka. Furniture.	567	322. Shinshichi Miura, Osaka. Screens.	567
296. Nizaemon Ezawa, Tokyo. Screens.	567	323. Shinshichi Iida, Kyoto. Silk table covers; art embroidery; screens; bed covers.	573
297. Nozaku Oka, Kanazawa. Lacquer ware.	567	324. Shinsuke Hayashi, Kyoto. Lacquer ware.	567
298. Osaka Shoeisha, Osaka. Curtains.	568	325. Shinzō Fujikawa, Kagawa. Lacquer ware.	567
299. Richachi Yomaoka, Ishikawa. Lacquer work.	567	326. Shin Suzuki, Yokohama. Articles for house decoration.	572
300. Rihei Ibuki, Hyōgo. Silk fabrics.	573	327. Shobei Shiino, Yokohama. Embroidery work.	573
301. Rihei Ukita, Kyoto. Fancy goods.	567	328. Shōichirō Nishimura, Tittori. Chased picture frames.	567
302. Rihei Shingawa, Yokohama. Furniture.	567	329. Shojiro Kita, Osaka. Furniture.	567
303. Rihei Yamamoto, Kyoto. Lacquer ware.	567	330. Shokoshi Hayakawa, Osaka. Bamboo baskets and vase.	567
304. Rishichi Sawai, Hyōgo. Curtains.	568	331. Shotarō Fugimoto, Osaka. Curtains.	568
		332. Shozaburo Yamamoto, Tokyo. Pictures; plaques.	567
		333. Shutaro Hayashi, Kanazawa. Lacquer ware.	567
		334. Sogen Takano, Kyoto. Lacquer work.	567

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Exhibit No.	Class'n No.
364. Toramatsu Suzuki, Nagoya. Window curtains.	568
365. Toranosuke Namikawa, Osaka. Furniture.	567
366. Toyotaro Kusakari, Tokyo. Furniture.	567
367. Tsunetaro Suzuki, Nagano. Oshei board.	567
368. Tsuya Sengoku, Tokyo. Lacquer incense case.	567
369. Unosuke Adachi, Kyoto. Lacquer ware.	567
370. Unosuke Nobuaji, Kyoto. Lacquer work.	567
371. Unosuke Shibata, Tokyo. Lacquer ware.	567
372. Ushitaro Fukuda, Tokushima. Embroidered rugs.	573
373. Waichi Okamoto, Osaka. Curtains; pictures.	568
374. Wasaburo Tsuruda, Kanazawa. Lacquer ware.	567
375. Yahei Toshima, Kyoto. Lacquer work.	567
376. Yajiro Kagawa, Tokyo. Furniture.	567
377. Yakichi Uematsu, Tokyo. Lacquer work.	567
378. Yasaburo Hashimoto, Kyoto. Screens.	567
379. Yasutaro Shimizu, Tokyo. Lacquer ware.	567
380. Yasuyuki Mikai, Toyama. Table and boxes.	566
381. Yazō Haoka, Osaka. Embroidery.	573
382. Yoshibei Katayama, Wakayama. Lacquered paper screens.	567
383. Yoshijiro Fujii, Yokohama. Furniture.	567
384. Yoshinosuke Kawashima, Kyoto. Lacquer ware.	567
385. Yonezō Fujikawa, Kagawa. Lacquer ware.	567
386. Yosaburo Komatsu, Kanazawa. Lacquer work.	567
387. Yuho Tanaka, Kyoto. Ceiling and screens.	571
388. Yusaburo Maysumoto, Tokyo. Plates.	567
389. Zembei Ono, Kyoto. Gold lacquer book shelf.	567
390. Zennosuke Fukumoto, Yokohama. Screens.	567
391. Zenshichi Iida, Ishikawa. Lacquer work.	567
392. Zenshichi Matsumoto, Hyogo. a Curtains.	568
	b Embroidered satin table cover. 573
364. Sojiro Koshida, Kanazawa. Lacquer work.	567
365. Soshiro Yoneda, Okinawa. Lacquered picture frames.	567
366. Sotaro Suzuki, Kanazawa. Screens.	567
367. Sozaburo Asano. Lacquer work.	567
368. Sozemon Nishimura, Kyoto. Embroidery work.	573
369. Soza Yoshikura, Kanazawa. Lacquer ware.	567
370. Sukezo Sanukida, Tokyo. Lacquer ware.	567
371. Tadamas Hayashi, Tokyo. Lacquer ware.	567
372. Tagae Okamura, Tokyo. Oshiye, a cloth-pasting work.	567
373. Taishin Ikeda, Okinawa. Lacquer ware.	567
374. Takayasu Sasaki, Tokyo. Lacquer ware.	567
375. Takematsu Moriuchi, Chibi. Bamboo screens.	567
376. Takijiro Kutsutani, Tokyo. Picture and.	567
377. Takizaburo Moriyasu, Yokohama. Articles for house decoration.	572
378. Tamejirō Kawamoto, Osaka. Bamboo curtains.	568
379. Tamekichi Ito, Tokyo. a Furniture, etc.	567
	b Upholstery for windows. 568
380. Tamezō Tamao, Kagawa. Lacquer work.	567
381. Tasuke Yamamoto, Osaka. Vases and baskets.	567
382. Tatsujirō Hirata, Hyōgo. Curtains.	568
383. Tojiro Ishino, Kanazawa. Plaques.	567
384. Tokichi Matsuda, Tokyo. Screens.	567
385. Tokujiro Kawai, Kyoto. Lacquer ware.	567
386. Tokumemon Mikoshi, Tōkyō. Window frames.	568
387. Tokujiro Tatsuike, Kyoto. Table.	566
388. Tokuzo Koisumi, Tottori. Lacquered vase stand.	567
389. Tomojiro Endo, Tokyo. Metal work.	567
390. Tomosuka Sagaya, Tokyo. Furniture.	567
391. Tomozo Watanabe, Tokyo. Wood vining; lacquer work.	567
392. Torakiyo Sato, Tokyo. Screens.	567

## Ceramics and Mosaics.

## GROUP 91.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
393. Akira Daiki, Kyoto. Faience.	576	421. Giemon Maeda, Saga. Stoneware.	575
394. Bensusuke Okamoto, Kyoto. China-ware.	576	422. Ginshyu Takeuchi. Flower vases.	576
395. Bunji Matsumoto, Fukushima. Stone-ware.	575	423. Gohei Kato, Gifu. Chinaware.	576
396. Bunsai Ogawa, Kyoto. Porcelain ware.	577	424. Gosuke Kato, Aichi. Flower vases, tea set.	576
397. Bunshichi Mizuno, Gifu. Chinaware.	576	425. Gosuke Kato, Gifu. Chinaware.	576
398. Chikusen Miura, Kyoto. Chinaware; flower vases.	576	426. Hanjiro Fuwa, Tokyo. a Stoneware.	575
399. Choemon Tsuji, Kanazawa. Porcelain.	577	426. Hanjiro Fuwa, Tokyo. b Porcelain.	577
400. Chojiro Taniguchi, Kyoto. China-ware.	576	427. Hannosuke Miyagawa, Kanazawa. Porcelain.	577
401. Chokuro Fukunmi, Saga. Stone-ware.	575	428. Hanshichi Shirai, Tokyo. Faience ware.	576
402. Chyujiro Nakano, Ishikawa. Flower vases.	576	429. Haruzo Saji, Nagoya. Semi-porcelain ware.	576
403. Commercial and Manufacturing Bureau. Specimens showing process of manufacturing porcelain, etc.	577	430. Haruzane Higuchi, Saga. a Stoneware.	575
404. Daiseiji Cho, Ishikawa. Pottery.	575	430. Haruzane Higuchi, Saga. b Tea set.	576
405. Denshiro Mitsui, Ishikawa. Porcelain.	577	431. Hayata Takemoto. Vases.	576
406. Dohachi Takahashi, Kyoto. a Stoneware.	575	432. Heibei Higuchi, Saga. Stoneware.	575
406. Dohachi Takahashi, Kyoto. b Flower vases.	576	433. Heikuro Kanagae, Saga. Stoneware.	575
407. Eiji Fukagaya, Gifu. Chinaware.	576	434. Heibei Watatani, Ishikawa. Porcelain.	577
408. Eiki Miyako, Tokyo. Chinaware.	576	435. Heibei Watatani, Kanazawa. Porcelain.	577
409. Eikichi Ishii, Tokyo. Flower vases.	576	436. Hideo Kawamoto, Tokyo. Porcelain.	577
410. Eikichi Jojima, Saga. Stoneware.	575	437. Hikojiro Imura, Kanagawa. Porcelain.	577
411. Eitaro Mori, Okayama. Chinaware.	576	438. Hikosaburo Shirae, Ishikawa. Porcelain.	577
412. Eitaro Nakamura, Tokyo. Pottery.	575	439. Hoju Kawano, Tokyo. Pottery.	575
413. Ena-Earthware Company, Gifu. Chinaware.	576	440. Hokokusha, Gifu. Chinaware.	576
414. Etsusaburo Ando, Kanazawa. Porcelain.	577	441. Hotoku Arima, Kagoshima. Pottery.	575
415. Fukuhei Tamura, Hyogo. Stone-ware.	575	442. Hozan Unrinin, Kyoto. Stoneware.	575
416. Fukuzo Yasuda, Kyoto. Faience.	576	443. Hyochien, Tokyo. a Stoneware.	575
417. Gempei Ochiai, Tokyo. a Pottery.	575	443. Hyochien, Tokyo. b Porcelain.	577
417. Gempei Ochiai, Tokyo. b Chinaware.	576	444. Ichimo Asai, Ishikawa. Chinaware and flower vases.	576
417. Gempei Ochiai, Tokyo. c Porcelain.	577	445. Ichishiro Awada, Kyoto. Faience.	576
418. Genshichi Yasuda, Kyoto. Faience.	576	446. Ichitaro Morimura, Tokyo. Incense burners; flower vases.	576
419. Gentatsu Okuhara, Kagoshima. Pottery.	575	447. Ichimo Asai, Ishikawa. Vase.	576
420. Gentatsu Okuhara, Kagoshima. Pottery.	575	448. Ichiroji Tashiro, Kanazawa. Porcelain.	577
		449. Isaburo Yamamoto, Ishikawa. Porcelain.	577
		450. Itaro Nishida, Kyoto. Stoneware.	575
		451. Jenshiro Takagi, Kanazawa. Porcelain.	577

## Ceramics and Mosaics.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
484. Kihei Inoue, Tokyo. Stoneware.	575	484. Kihei Takeda, Hyogo. China-ware.	578
485. Kihei Yokoyama, Osaka. Chinaware.	576	485. Kihei Kawajiri, Ishikawa. Porcelain.	577
486. Kihei Tsuruta, Saga. Stoneware.	575	486. Kikuzo Utsami, Hyogo. China-ware.	576
487. Kihei Tsukuda, Ishikawa. Porcelain.	577	487. Kinjiro Hashizume, Kyoto. Flower vases; faience.	576
488. Jinsaku Murakami, Ishikawa. Porcelain.	577	488. Kinshyu Takenouchi, Ishikawa. Flower vases; incense burners.	576
489. Jinshiro Tominaga, Ishikawa. Porcelain.	577	489. Kizo Mizuno, Fukushima. Stoneware.	575
490. Jinzo Oda, Ishikawa. Porcelain.	577	490. Kizo Kakemi Kyoto. Flower vases.	576
491. Jirokichi Agano, Kumamoto. China-ware.	576	491. Kobachi Asai, Ishikawa. China-ware.	576
492. Jiomatsu Akiyam, Ishikawa. Porcelain.	577	492. Kojiro Fukushima, Saga. Stoneware.	575
493. Jinsuke Miyagawa, Kyoto. China-ware.	576	493. Kojiro Uno, Kyoto. Stoneware.	575
494. Jitsuzo Yohimaki, Osaka. China-ware.	576	494. Komajiro Akiyama, Ishikawa. Porcelain.	577
495. Jizaemon Tateishi, Hyogo. China-ware.	576	495. Koransha, Saga. Porcelain; flower vases.	576
496. Jizaemon Miyaji, Ishikawa. Porcelain.	577	496. Koshiro Kumagai, Gifu. China-ware.	576
497. Jynkichi Dodo, Kyoto. Faience.	576	497. Kozan Makuzu, Saga. Vases.	576
498. Jyukawan Chin, Kagoshima. Pot-tery.	575	498. Kumaichi Egami, Saga. Stoneware.	575
499. Jynsho Togo, Kagoshima. Pottery.	575	499. Kumajiro Agano, Kumamoto. Bowl.	576
500. Kai Tsuda, Kyoto. Semi-stone ware (nc).	576	500. Kuni Nagaoka, Shimane. Flower vases.	576
501. Kakiemon Sakaida, Saga. Stoneware.	575	501. Kunitaro Kubo, Saga. Stoneware.	575
502. Kakuzaemon Higuchi, Saga. Stoneware.	575	502. Kunseki Sameshima, Kagoshima. Pottery.	575
503. Kanzaburo Shimizu, Tokyo. Porcelain.	577	503. Kuranosuke Kamochi, Hyogo. China-ware.	576
504. Kambei Mizuno, Gifu. Chinaware.	576	504. Kurasuke Matsumoto, Saga. Stoneware.	575
505. Kansai Trading Company, Kyoto. Stoneware.	575	505. Kusuke Matsumura, Nagoya. Porcelain candlestick.	577
506. Kanshiro Yamasawa, Ishikawa. Porcelain.	577	506. Kutani Chinaware Company, Ishikawa.	575
507. Kaoru Okane, Tochigi. Dishes and vases.	576	507. a Pottery.	575
508. Katsunosuke Tatebayashi, Saga. Stoneware.	575	508. b Flower vases; incense burners.	576
509. Kenemon Funaki, Shimane. Flower vases.	576	509. Kyoto Earthenware Company, Kyoto.	576
510. Kengo Kato, Kanazawa. Porcelain.	577	510. Chinaware.	576
511. Kichibei Yoshioka, Kyoto. China-ware.	576	511. Kyoto-Toki-Kawaisha, Kyoto.	576
512. Kihiko Harita, Kyoto. Faience.	576	512. Table set.	576
513. Kichiji Watano, Ishikawa. Flower vases; incense burner.	576	513. Kiyhei Tamura, Hyogo. Stoneware.	575
514. Kihachiro Watanabe, Tokyo. Stoneware.	575	514. Kiyhei Suya, Ishikawa. Porcelain.	577
		515. Kiykichi Iwao, Saga. Stoneware.	575
		516. Kyuzaburo Sawada, Ishikawa. Porcelain.	577
		517. Kwanji Okamoto, Kyoto. Faience.	576

## Ceramics and Mosaics.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
514. Kwanzō Fujii, Saga. Stoneware.	575	545. Risaburō Momoda, Saga. Stoneware.	575
515. Majirō Takito, Nagoya. Stoneware.	575	546. Risuke Hiraoka, Kyoto. Porcelain ware.	577
516. Masaji Toyoshima, Nagasaki. Stoneware.	575	547. Rokuhei Matsuda, Kyoto. Stoneware.	575
517. Masutaro Ido, Kanagawa. Stoneware.	575	548. Rokunosuke Shimizu, Nagoya. Chinaware.	575
518. Masukichi Kawamoto, Aichi. Vases.	576	549. Rokurō Tanzan, Kyōto. Stoneware.	575
519. Masuko Earthenware Company, Tochigi. Tea pots.	576	550. Ryūhei Yokoyama, Ishikawa. Porcelain.	577
520. Matao Yoshimura, Ishikawa. Plaque; flower vases.	576	551. Ryukichi Yamamoto, Saga. Stoneware.	575
521. Matashiro Ota, Ishikawa. Porcelain.	577	552. Sahei Kato, Gifu. Chinaware.	575
522. Matazō Furukawa, Nagasaki. Stoneware.	575	553. Sahei Matsumoto. a Inceuse burners.	575
523. Manjiro Takito, Nagoya. Porcelain ware.	577	b Porcelain.	577
524. Manjiro Takito, Aichi. Flower vases.	576	554. Samurō Mizoue, Saga. Stoneware.	575
525. Mannosuke Furukawa, Saga. Stoneware.	575	555. Sanda-Seiji-Kwaisha, Hyogo. Porcelain.	577
526. Manzaburo Yoshimuki, Osaka. Chinaware.	576	556. Seigo Matsumura, Saga. Stoneware.	575
527. Meisan Yabu, Osaka. Faience.	576	557. Seiko Nagai, Kyōto. Faience flower vases.	576
528. Mitsuji Kato, Gifu. Chinaware.	576	558. Sekisen Kitayama, Kyoto. Porcelain ware.	577
529. Mohei Keida, Kagoshima. Pottery.	575	559. Sekisen Shimizu, Gifu. Pottery.	575
530. Mokichi Arai, Osaka. Chinaware.	576	560. Seiji Kwaisha, Saga. a Stoneware.	575
531. Morihachi Morishita, Ishikawa. Chinaware.	576	b Hanging dish.	575
532. Naoji Tsukamoto, Gifu. Pottery; flower vases.	575	561. Seishi Naruse, Gifu. Ornament.	576
533. Naosaburo Yamamoto, Hyogo. a Stoneware.	575	562. Seishichi Nishiura, Gifu. Chinaware.	576
b Chinaware.	576	563. Sennosuke Kusube, Kyōto. Stoneware.	575
534. Naotsuku Nakajima, Kyoto. Stoneware.	575	564. Seto-Earthenware Association, Seto. Semi-porcelain ware.	576
535. Nibuzo Yoshiwara, Kumamoto. Chinaware.	576	565. Setsuzan Akamara, Ishikawa. Chinaware; flower vases.	576
536. Nimatsu Uno, Kyoto. Stoneware.	575	566. Shinsuke Hayashi, Kyōto. Stoneware.	575
537. Nisaku Nakagawa, Ishikawa. Porcelain.	577	567. Shojiro Okura, Ishikawa. Umbrella stand.	575
538. Oroshihayashi & Co., Gifu. Chinaware.	576	568. Shotaro Tamari, Kagoshima. Pottery.	575
539. Otojiro Kato, Kyoto. Faience.	576	569. Shou Jimura, Kyoto. Porcelain ware.	577
540. Otojiro Terabayashi, Kyoto. Porcelain ware.	577	570. Shunji Aiwa, Nagoya. Stoneware.	575
541. Onko Shimizu, Gifu. Pottery.	575	571. Sobei Kinkozan, Kyoto. a Pottery vase.	575
542. Riichi Egawa, Kyōto. a Stoneware.	575	b Faience.	576
543. Rihei Kojima, Kyōto. Chinaware.	576	572. Sobei Shimada, Tokyo. Chinaware.	576
544. Rihei Okamoto, Hyogo. Stoneware.	575	573. Sojiro Karumi, Tokyo. Semi-porcelain.	576

## Ceramics and Mosaics.

	Class'n No.	Exhibit No.	Class'n No.
Sotojiro Fujioka, Ishikawa. Stone- pottery.	575	603. Tozan Ito, Kyoto. Chinaware.	576
Sosuke Fujii, Ishikawa. Porcelain.	577	604. Toraichi Iwao, Saga. Stoneware.	575
Sosuke Namikawa, Tokyo. Deco- r porcelain ware.	577	605. Toramatsu Fukumatsu, Ishikawa. Porcelain.	577
Sukesaburo Kato, Tokyo. Porce- lain.	577	606. Toramatsu Uchida, Ishikawa. Pot- tery.	575
Takuzo Otsuka, Tokyo. Porcelain.	577	607. Torasaburo Tsujimoto, Hyogo. China- ware.	576
Tai & Co., Tokoname. Stoneware.	575	608. Torasaburo Tsujimoto, Osaka. China- ware.	576
Tamekichi Ito, Tokyo. Salt castor.	576	609. Torasaburo Yamaguchi, Saga. Stone- ware.	575
Tamuro Okamoto, Ishikawa. Porce- lain.	577	610. Wahei Mukai, Ehime. Faience.	576
Tanimatsu Yamashita, Kanazawa.	577	611. Yahei Kito, Nagoya. Porcelain ware.	577
Tanekichi Harada, Saga. Stone- ware.	575	612. Yakichi Kumagai, Gifu. Chinaware.	576
Tanotosha, Osaka. Chinaware.	576	613. Yaichiro Agano, Kumamoto. China- ware.	576
Tarijiro Nakamura, Kanazawa.	577	614. Yashiro Kimura, Ishikawa. Porce- lain.	577
Tatsuzo Kanzan, Kyoto. Porcelain.	577	615. Yaoki Yoshiwara, Kumamoto. China- ware.	576
Tatusichi Iwamatsu, Saga. Stone- ware.	575	616. Yashichi Uchino, Tokyo. Vases and plates.	576
Tazuo Agano, Kumamoto. Water r.	576	617. Yasuke Fujita, Osaka. Flower vases.	576
Tetsuzo Kumagai, Gifu. Chinaware.	576	618. Yasukiyo Tomoda, Ishikawa. Pot- tery.	575
Tokuhei Nozaki, Ishikawa.	576	619. Yasukichi Tashiro, Saga. Stone- ware.	575
Incense burners.	575	620. Yasunosuke Kitami, Kyoto. Stone- ware.	575
Tokujiro Nobata, Kanazawa. Porce- lain.	577	621. Yasutaro Okumura, Kyoto. China- ware.	576
Tokubei Kato, Gifu. Chinaware.	576	622. Yohei Iwata, Hyogo. Flower vase.	576
Tokusuke Matsuo, Saga. Stone- ware.	575	623. Yohei Seifu, Kyoto. Semi-porcelain ware; flower vases; incense burner.	576
Tokoname Earthenware Association.	575	624. Yonei Taizan, Kyoto. Faience flower vases.	576
Tokoname Trading Company, Tokyo.	576	625. Yoichi Aoki, Saga. Stoneware.	575
Tomoda Company, Ishikawa. Flower chinaware.	576	626. Yoshijiro Kawai, Kanazawa. Porce- lain.	577
Tomotame Terazawa, Kyoto. Stone- ware.	575	627. Yoshiji Watano, Ishikawa. Porce- lain.	577
Tomimatsu Tanaka, Tokyo. Porce- lain.	577	628. Yoshihiko Tojo, Kyoto. Stoneware.	575
Tomotarō Kajiware, Saga. Stone- ware.	575	629. Yoshikuro Matsubara, Gifu. China- ware.	576
Tomotarō Kato, Tokyo.	576	630. Yoshitake Suwa, Ishikawa. Stone- ware.	575
Porcelain.	577	631. Yoshizō Shibata, Kyoto. Faience.	576
Tosuke Ebina, Kyoto. Porcelain	577	632. Zengoro Eiraku, Kyoto. Japanese tea set.	576
Tomina Hattori, Tokyo. Stoneware.	575	633. Zenjiro Nakamura, Kyoto. Flower vases.	576
		634. Zenzaburo Tanaka, Tokyo. Semi- porcelain.	576
		635. Zoji Sasada, Ishikawa. Porcelain.	577

## Monuments, Mantels, Art Metal Work, Enamels.

## GROUP 92.

Exhibit No.	1928 No.	
636.		Genshiro Shimizu, Gifu. Stone catch (for drawer). 582
		Miscellaneous stone ornaments; flower pot. 582
637.		Hyokichi Honho, Toyama. Carved marble ornaments. 582
638.		Kojyuro Horie, Tokyo. Carved slate ware. 582
639.		Kumajiro Hirata, Tokyo. Stone flower vases. 582

## GROUP 93.

640.		Bunzaemon Kawaguchi, Nagoya. Cloisonne ware. 586
641.		Chōsgorō Hirokami, Toyama. Art metal work. 585
642.		Chōshichi Jyōda, Toyama. Art metal work. 585
643.		Chōzaburō Matsuyama, Toyama. Art metal work. 585
644.		Chyoichiro Kanamori, Toyama. Art metal work; incense burner. 585
645.		Chyōkichi Suzuki, Tokyo. Art metal work. 585
646.		Chyubei Takeuchi, Aichi. Cloisonne ware. 586
647.		Chyuhei Nakagawa, Toyama. Art metal work (flower vases, plaque). 585
648.		Commercial and Manufacturing Bureau. Specimens showing process of manufacturing metal work. 585
649.		Eisuke Jyōmi, Kyōto. Art metal work. 585
650.		Eiziro Kajima, Tokyo. Art metal work. 585
651.		Fnsajiro Takayanagi, Toyama. Art metal work, flower vases; incense burners. 586
652.		Genemon Ishida, Aichi. Cloisonne ware. 586
653.		Gihei Seki, Toyama. Art metal work. 585
654.		Gimbei Kuroha, Ibaraki. Art metal work (card receivers, flower vases, incense burners, frames, etc.). 585
655.		Ginjiro Sawada, Tokyo. Copper ware. 585
656.		Hachizaemon Hayashi, Nagoya. Cloisonne ware. 586
657.		Hanemon Matsuta, Iahikawa. Copper ware. 585
658.		Heizō Seki, Toyama. Art metal work. 585
659.		Hirosuke Hayashi, Nagoya. Cloisonne ware. 586
660.		Hocisha, Aichi. Cloisonne ware. 586
661.		Ichikei Kajima. Art metal work. 585

Exhibit No.	1928 No.	
662.		Ichibei Noda, Kanagawa. Cloisonne ware. 586
663.		Ichitaro Morimura, Tokyo. Copper plates. 586
664.		Ihei Fujii, Kyoto. Silver incense burner. 586
665.		Iwakichi Ōtsuka, Kyōto. Niello work. 586
666.		Izaemon Mikami, Kyōto. Cloisonne ware. 586
667.		Jinnōei Ōta, Nagoya. Cloisonne ware. 586
668.		Jisaburo Takayanagi, Toyama. Art metal work (flower vases, incense burners). 586
669.		Jisuka Komma, Toyama. Art metal work. 586
670.		Jisuke Kotake, Toyama. Art metal work. 586
671.		Jitsueemon Satō, Nagoya. Cloisonne ware. 586
672.		Jyubei Andō, Aichi. Cloisonne ware. 586
673.		Jyubei Andō, Nagoya. Cloisonne ware. 586
674.		Jyujiro Koizumi, Ibaraki. Art metal work. 586
675.		Jyutaro Hirata, Tokyo. Art metal work. 586
676.		Kahei Okada, Nagoya. Cloisonne ware. 586
677.		Kahei Yamazaki, Toyama. Art metal work. 586
678.		Kai Tōda, Kyōto. Cloisonne ware. 586
679.		Kanazawa Dōki-Kwaisha, Ishihawa. Art metal work. 586
680.		Kansai Trading Company, Kyoto. a Art metal work. 585 b Cloisonne ware. 586
681.		Kanzaemon Kakuha, Toyama. Art metal work. 585
682.		Kashichiro, Iwashiro, Toyama. Art metal work, card receiver. 585
683.		Kasuke Itō, Nagoya. Cloisonne ware; knife handles. 586
684.		Katsuyoshi Shūami, Okayama. Incense burners. 585
685.		Kaziro Kobayashi, Tokyo. Art metal work. 585
686.		Keitarō Nozaki, Toyama. Art metal work. 585
687.		Kichibei Nakamura, Tokyo. Card receiver. 586
688.		Kichigorō Suzuki, Tokyo. Art metal work. 585
689.		Kichijirō Tanaka, Kanagawa. Cloisonne ware. 586
690.		Kingo Kotsuka, Nagoya. Cloisonne ware. 585

## Art Metal Work, Enamels, Etc.

	Class'n No.	Exhibit No.	Class'n No.
Kinsyū Adachi, Nagoya. Cloisonne	586	721. Sakujiro Nakano, Toyama. Art metal	585
work.		work (incense burner).	
Kinsuke Kato, Toyama. Art metal	585	722. Sanemon Ohashi, Toyama. Art	585
work; incense burner.		metal work; flower vases, incense burner,	
Kohei Inami, Toyama. Art metal	585	etc.	
work (incense burner).		723. Satarō Kaji, Aichi. Cloisonne ware.	586
Kumakichi Shimizu, Nagoya. Cloi-	586		
sonne ware.		724. Seisuke Ikeda, Kyoto. Art metal	585
Kumakichi Tsugane, Nagoya. Cloi-	586	work.	
sonne ware.		725. Seisuke Ikeda, Kyōto. Cloisonne	586
Kokan Murata, Kyoto. Art metal	585	ware.	
work.		726. Seizirō Shōami, Okayama. Frame.	585
Kyūbei Noguchi, Osaka. Art metal	585		
work.		727. Sentarō Satō, Kanagawa. Cloisonne	586
Masafusa Tsubai, Nagoya. Cloi-	586	ware.	
sonne ware.		728. Seizaburō Kodama, Nagoya. Cloi-	586
Masakichi Yoshimura, Toyama. Art	585	sonne ware.	
metal work (card receiver).		729. Seizaburo Takakawa, Toyama. Art	585
Masanori Okadera, Nagoya. Cloi-	586	metal work, flower vases; card receivers.	
sonne ware.			
Masaru Miyamoto, Tokyo. Art	585	730. Seizaburo Tekebe, Toyama. Art	585
metal work.		metal work; incense burners.	
Masubei Tsukamoto, Nagoya. Cloi-	586	731. Seizaburo Yoshikubo, Toyama. Art	585
sonne ware.		metal work.	
Masamemon Itō, Kanagawa. Cloisonne	586	732. Shibatarō Kawade, Nagoya. Cloi-	586
ware.		sonne ware.	
Matajirō Nakano, Toyama. Art	585	733. Shichiho Isaba, Kyōto. Cloisonne	586
metal work.		ware.	
Mosuka Kuroda, Nagoya. Cloisonne	586	734. Shinji Kugitani, Kumamoto. Art	585
ware.		metal work.	
Motokichi Hongo, Toyama. Art	585	735. Shimetarō Kumeno, Nagoya. Cloi-	586
metal work (flowered vase).		sonne ware.	
Naoki Sugimoto, Toyama. Art metal	585	736. Shirōzaemon Suzuki, Kanagawa.	586
ware.		Cloisonne ware.	
Naizaburō Yomamoto, Hyōgo. Cloi-	586	737. Shyōichirō Nishimura. Art metal	585
sonne ware.		work.	
Natori Nogawa. Art metal work.	585	738. Shyōjirō Okazaki, Tōkyō. Art metal	585
Nihei Shiosaki, Toyama. Art metal	585	work.	
ware.		739. Shyōbei Tomiki, Nagoya. Cloisonne	586
Nihei Matsumura, Toyama. Art	585	ware.	
metal work.		740. Shoichiro Kobayashi, Tōkyō. Copper	585
Nokuhei Matsumura, Toyama. Art	585	ware.	
metal work.		741. Shōzaburō Godo, Kanagawa. Cloi-	586
Nyusuke Hirano, Ibaraki. Art metal	585	sonne ware.	
ware.		742. Sōshichi Shibayama. Art metal	585
Oburoemon Okamura, Toyama. Art	585	work.	
work; flower vases.		743. Sosuke Namikawa, Tōkyō.	586
Oburoemon Okamura, Toyama. Art	585	a Cloisonne ware.	
work; flower vases.		b Enamel ware.	587
Odabumi Ito, Tokyo. Art metal	585	744. Sotokichi Takakawa, Toyama. Art	585
ware.		metal work (flower vases).	
Odajirō Ametani, Toyama. Art	585		
work.		745. Tadamasu Hyashi, Tōkyō.	586
Odashichi Takao, Osaka. Art metal	585	a Art metal work.	
ware.		b Cloisonne ware.	586
Oshei Doi, Tokyo. Copper vases.	585	746. Tadasaburō Hattori, Nagoya. Cloi-	586
		sonne ware.	
Osajirō Nomori, Toyama. Art metal	585	747. Tadachichi Shiwotsu, Shimane. Cuff	585
ware.		buttons.	

## Art Metal Work, Enamels, Glass, Carvings in Various Materials.

Exhibit No.	Class'n No.
748. Taketaro Takeda, Toyama.	Art 585
metal work; flower vases.	
749. Takisaburō Tsukamoto, Nagoya.	Art 586
Cloisonne ware.	
750. Takuzo Otsuka, Tokyo.	Art metal 585
work.	
751. Tarobei Yamanaka, Osaka.	Art 585
metal work.	
752. Tatsukichi Ebata, Ibaraki.	Art 585
metal work; incense burner.	
753. Tatsutaro Takemura, Toyama.	Art 585
metal work; incense burners.	
754. Tetsugoro Kato, Tokyo.	Art metal 585
work.	
755. Tokichi Nakahashi, Toyama.	Art 585
metal work.	
756. Tokumatsu Chimura, Kanagawa.	Cloisonne 586
Cloisonne ware.	
757. Tokuzo Otsuka, Tokyo.	Cloisonne 586
vases.	
758. Tomojiro Kaji, Toyama.	Art metal 585
work; incense burners.	
759. Toramatsu Suzuki, Nagoya.	Cloi- 586
sonne ware.	
760. Torasaburō Abe, Nagoya.	Cloi- 586
sonne ware.	
761. Toshimitsu Yano, Tokyo.	
a Art metal work.	585
b Cloisonne ware.	586
762. Toyosaburō Sano, Kyōto.	Cloisonne 586
ware.	
763. Toyoshirō Itō, Nagoya.	Cloisonne 586
ware.	
764. Tsunekichi Ogawa, Tokyo.	Art 585
metal work.	
765. Tsunesaburō Yoshioka, Hiroshima.	Art metal 585
work.	
766. Uichi Sekizawa, Toyama.	Art metal 585
work.	
767. Uichi Sekizawa, Toyama.	Art metal 585
work.	
768. Unosuke Nakamura, Osaka.	Art 585
metal work.	
769. Ushisaburo Miyabe, Kyoto.	Art 585
metal work.	
770. Yahei Ozeki, Tokyo.	Art metal 585
work.	
771. Yajirō Kagawa, Tōkyō.	Cloisonne 586
ware.	
772. Yaroku Suzuki, Nagoya.	Cloisonne 586
ware.	
773. Yasuhei Tanabe, Kumamoto.	Incense 586
burner.	
774. Yasutarō Futatasuka, Toyama.	Art 585
metal work.	
775. Yasuyuki Namikawa, Kyōto.	Cloi- 586
sonne ware.	
776. Yohei Iwata, Hyogo.	Bronze 585
ware.	

Exhibit No.	Class'n No.
777. Yohei Kawaguchi, Tokyo.	Art 585
metal work.	
778. Yoichi Kagawa, Shimane.	Chased 585
metal work.	
779. Yosaburō Honda, Aichi.	Cloisonne 585
ware.	
780. Yosaburō Honda, Nagoya.	Cloi- 585
sonne ware.	
781. Yoshichirō Masuda, Toyama.	Art 585
metal work.	
782. Yoshitarō Kawano, Kanagawa.	Cloisonne 586
Cloisonne ware.	
783. Yososhichi Nakasugi, Toyama.	Art 585
metal work.	
784. Yoshimori Kanaiwa, Toyama.	Art 585
metal work (ornamental article).	
785. Zenroku Fujita, Tōyama.	Art metal 585
work.	
786. Zenshichi Kyōi, Toyama.	Art metal 585
work.	
787. Zenshichi Morimoto, Nagoya.	Cloi- 586
sonne ware.	
788. Zenshirō Yoshida, Nagoya.	Cloisonne 586
ware.	
789. Zensuke Tsukahara, Toyama.	Art 585
metal work (flower vases, incense burners).	
790. Zimbei Tsukamoto, Nagoya.	Cloi- 586
sonne ware.	

## GROUP 94.

791. Magoichi Shimada, Osaka.	Glass- 582
ware.	
792. Shingirō Tanaka, Osaka.	Decorated 582
glass and tumblers.	

## GROUP 96.

793. Bin Nishimaki, Tōkyō.	Wood car- 588
ving.	
794. Chozaburo Yamada, Ishikawa.	Cop- 601
per articles.	
795. Chozo Watanabe, Kanagawa.	Carved 601
copper work.	
796. Chyokichi Suzuki, Tokyo.	Copper 601
incense burner; vases.	
797. Chyujirō Izumi, Shiga.	Carvings. 598
798. Denkichī Ikeda, Tokyo.	Ivory car- 599
ving.	
799. Doki-Kaisha, Ishikawa.	Flower 601
vases; incense burners (copper).	
800. Dosan Asahi & Eizo Ōkioka, Tokyo.	Carved 598
woodwork.	
801. Eisho Kurokaw, Tokyo.	Incense 601
burner.	
802. Eisuke Jyomi, Kyoto.	Metal car- 601
ving and chiseling.	
803. Eisuke Miyao, Tokyo.	Metallic 601
carving.	

## Carvings in Various Materials.

bit	Class'n No.	Exhibit No.	Class'n No.
Eizaburo Omiri, Ishikawa. Carved woodwork.	598	833. Jyunosuke Arakawa, Shimane. Wood carved ornament.	598
Fusagoro Kohara, Osaka. Wood carving.	598	834. Jyntaro Hirata, Tokyo. Metallic work.	601
Fusakichi Nakaya, Osaka. Wood carving.	598	835. Kahei Shimaseki, Tokyo. Metallic work.	601
Gemmojyo Yoskida, Kyōto. Wood carving.	598	836. Kambei Takagi, Tokyo. Ivory carving.	599
Genroku Mizuno, Ishikawa. Metal vining and chiseling.	601	837. Kambei Takagi, Tokyo. Wood carving.	598
Gihei Honho, Toyama. Wood carving.	598	838. Kamataro Goto, Kanagawa. Carved woodwork.	598
Ginziro Swanada, Tokyo. Ivory vining.	599	839. Kametaro Adachi, Shimane. Wood carving.	598
Gitaro Honho, Toyama. Wood carving.	598	840. Kanejiro Kaneda, Tokyo. Ivory carving.	599
Gorosaburo Kanaya, Kyoto. Metal vining and chiseling.	601	841. Kansai Trading Company, Kyōto.	
Hakuzitsu Ono, Tokyo. Ivory carving.	599	a Wood carving.	598
Hanbei Koshino, Ishikawa. Metal work.	601	b Ivory carving.	599
Hanun Hashii, Tottori. Carved work.	598	c Bamboo carving.	600
Hatsu Asahi, Tokyo. Carved woodwork.	599	d Metal carving.	601
Hideaki Tsukada, Tokyo. Metallic work.	601	842. Kashichi Sano, Tokyo. Metallic work.	601
Hikobei Tomei, Kyoto. Copper work.	601	843. Katsuhiko Kagawa, Tokyo. Metallic carving and chiseling.	601
Hikokuro Miyasaki, Ishikawa. Silver vases; plaque (copper).	601	844. Katsujiro Tanida, Osaka. Ivory carving.	599
Hisaichi Takeuchi, Tokyo. Wood carving.	598	845. Katsusaburo Kitazawa, Kanagawa. Carved woodwork.	598
Hisamitsu Yano, Tokyo. Card cases.	598	846. Katsuyoshi Ito, Tokyo. Card receiver.	598
Hoen Okawa, Tokyo. Metallic carving and chiseling.	601	847. Kennosuke Kihara, Tokyo. Metallic carving.	601
Hyokichi Honho, Toyama. Wood carving.	598	848. Kenzaburo Kurami, Ishikawa. Card receiver (copper).	601
chimitsu Ono, Osaka. Wood carving.	598	849. Kichibei Inoue, Kyoto. Metal carving and chiseling.	601
chiraku Matsumoto, Tokyo. Metallic work.	601	850. Kichibei Nakamura, Tokyo.	
chitarō Morimura, Tokyo. Wood carving.	598	a Ivory cigar cases.	599
Sculpture in porcelain.	603	b Metallic work.	601
hei Fujiwara, Osaka. Ivory inro.	599	851. Kichigoro Murata, Tokyo. Ivory carving.	599
ssai Hasegawa, Tokyo. Card receiver.	598	852. Kichiji Watano, Ishikawa. Carved metal work.	601
sshi Hashimoto, Kyoto. Metal carving and chiseling.	601	853. Kichiji Watano, Kanagawa. Carved copper work.	601
ssyu Sato, Tokyo. Metallic work.	601	854. Kichiemon Sato, Shizuoka. Bamboo work.	600
iemon Miyachi, Ishikawa. Ornament.	601	855. Kihachiro Noda, Tokyo. Flower vases.	601
romatsu Kashida, Ishikawa. Inro burner; plaque (copper).	601	856. Kihei Ishii, Tokyo.	
		a Ivory carving.	599
		b Metal work.	601
		857. Kiyoyuki Ozaki, Tokyo. Incense case.	601
		858. Kimitaro Kaneda, Tokyo. Ivory carving.	599
		859. Kintaro Sugiyama, Tokyo. Metallic work.	601

## Carvings in Various Materials.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
860. Kinzaburo Eguchi, Aichi.	Wood	890. Mohei Hiratsuka, Tokyo.	Incense burner.
carving.	598		601
861. Kisaburo Matsumoto, Hiroshima.	Wood carving.	891. Moichiro Arakawa, Shimane.	Wood carved ornaments.
	598		598
862. Kisai Yamada, Tōkyō.	Wood carving.	892. Morihachi Morishita, Ishikawa.	Carved woodwork.
	598		598
863. Kisaku Honho, Toyama.	Wood carving.	893. Morihachi Morishita, Kanazawa.	Metal ornaments.
	598		601
864. Kitaro Goto, Kanagawa.	Carved woodwork.	894. Naotaro Kiriya, Ishikawa.	Copper ware.
	598		601
865. Kitaro Mizutani, Ishikawa.	Incense burner.	895. Natsuo Kano, Tokyo.	Metal carving.
	601		601
866. Koji Yamakawa, Ishikawa.	Copper ware.	896. Nobuyoshi Watanabe, Kanagawa.	Plaque.
	601		601
867. Koan Watanabe, Toyama.	Carved wood ornament.	897. Rando Miyata, Tokyo.	Metallic carving.
	598		601
868. Kojiro Kobayashi, Tokyo.	Ivory carving.	898. Rikkei Oganem, Tokyo.	Metallic work.
	599		601
869. Komei Ishikawa, Tokyo.	Carved woodwork.	899. Rihei Okamoto, Kobe.	Wood carving.
	598		598
870. Kosai Otsuka, Tokyo.	Ivory carving.	900. Rihei Shingaya, Kanagawa.	a Carved ivory.
	599		599
871. Kosaku Yamakawa, Ishikawa.	Ornament (copper).		b Metal work.
	601		601
872. Kōtaku Shigezawa, Tōkyō.	Wood carving.	901. Ryoun Mitsuboshi, Tōkyō.	Wood carving.
	598		598
873. Kotaro Kumagai, Kyoto.	Metal carving and chiseling.	902. Ryuhei Yokoyama, Ishikawa.	Copper work.
	601		601
874. Koun Takamura, Tokyo.	Carved woodwork.	903. Ryutaro Goto, Kanagawa.	Carved woodwork.
	598		598
875. Koun Takamira, Tōkyō.	Wood carving.	904. Sadakichi Nomura, Tokyo.	Metal carving and chiseling.
	598		601
876. Kumakichi Takenaka, Ōsaka.	Wood carving.	905. Sadanosuke Yasaki, Yokyo.	Wood carving.
	598		598
877. Kumejiro Tamai, Tokyo.	Metallic carving.	906. Sadayuki Gotō, Tōkyō.	Wood carving.
	601		598
878. Kuninosuke Soma, Tokyo.	Carved woodwork.	907. Sashichi Asada, Tokyo.	Metallic work.
	599		601
879. Kunitaro Kaneda, Tokyo.	Ivory carving.	908. Sawazo Takenaka, Tottori.	Bamboo carving.
	599		601
880. Kuytaro Sano, Ishikawa.	Plaque.	909. Seiko Sawaki, Osaka.	Ivory carving.
	601		599
881. Magoemon Izuni, Shiga.	Carving.	910. Sekka Shima, Osaka.	Wood carving.
	598		598
882. Man Shibahara, Tokyo.	Metallic work.	911. Seishyu Makino, Tokyo.	Metallic work.
	601		601
883. Masaharu Matsumoto, Tōkyō.	Wood carving.	912. Seikichi Koyama, Tokyo.	Metal carving.
	598		601
884. Masakichi Saito, Tokyo.	Metallic carving and chiseling.	913. Seizaemon Kato, Aichi.	Wood carving.
	601		598
885. Masachika Ota, Tokyo.	Metallic work.	914. Seizaimon Yonezawa, Ishika.	Candlestick.
	601		601
886. Masayoski Koyano, Tokyo.	Metallic work.	915. Seiziro Yonagawa, Tokyo.	a Ivory carving.
	601		599
887. Matasaburo Morii, Tokyo.	Metallic work.		b Card receiver.
	601		598
888. Misaburo Tomizawa, Tokyo.	Ivory carving.	916. Senamtsu Adachi, Tottori.	Carving.
	599		598
889. Mitsuaki Ishikawa, Tōkyō.	Wood carving.	917. Shinsuke Hayashi, Kōyō.	Wood carving.
	598		598

## Carvings in Various Materials.

	Class'n No.	Exhibit No.	Class'n No.
Shinzo Yoshida, Tokyo. Metal carving and chiseling.	601	947. Toshiaki Shimamura, Tokyo. Wood carving.	598
Shinzaburo Hashimoto, Tokyo. Ivory carving.	599	948. Tshimitsu Yamagiwa, Tokyo. Ivory carving.	599
Shyōbei Ishiseki, Tokyo. Wood carving.	598	949. Toyokichi Nakatani, Osaka. Wood carving.	598
Shyoichiro Yamanaka, Tokyo. Copper work.	601	950. Toyoo Aikawa, Ishikawa. Plaque (carved).	598
Shyomin Unno, Tokyo. Metal carving.	601	951. Toyoshichi Kato, Tokyo. Ivory carving.	599
Shyotaro Okano, Kyoto. Metal carving and chiseling.	601	952. Toyotaro Kusakari, Tokyo. a Ivory carving.	599
Shyotaro Tamari, Kagoshima. Baminicised work.	600	b Silverware.	601
Shyunmei Shimamura. Carved woodwork.	598	953. Toyotaro Takahata, Ishikawa. Incense burner; plaque.	601
Sojiro Kanazawa, Tokyo. Ivory carving.	599	954. Tsunejiro Matsubara, Osaka. Ivory carving.	599
Somin Okawa, Tokyo. Ivory carving.	599	955. Tsunejiro Morishita, Hyogo. Bamboo work.	600
Sonosuke Hirata, Tokyo. Metallic work.	601	956. Tsuemon Kurotani, Tokyo. Metallic work.	601
Toshichi Amemiya, Kyoto. Metal carving and chiseling.	601	957. Tsunetaro Kawazoe, Tokyo. Ivory carving.	599
Tsuzaburo Sumita, Ehime. Cane and ns.	598	958. Tsunesaburo Kaneko, Tokyo. Incense case.	601
Tsukeji Kondo, Ibaraki. Metal carving.	601	959. Tsuyoshi Murakami, Osaka. Sculpture.	602
Tsukesuke Tanaka, Kyoto. Wood carving.	598	960. Yaezo Marunaka, Ishikawa. Copper ware.	601
Tsuzen Nakanishi, Kumamoto. Carved bamboo root; flower vases.	600	961. Yajihei Ishii, Kanagawa. a Carved ivory work.	599
Tsukejiro Okamoto, Tokyo. Incense work.	601	b Carved copper work.	601
Tsukejiro Kano, Tokyo. Bamboo work.	600	962. Yasubei Nishimura, Kyoto. Metal carving and chiseling.	601
Tsukejiro Kutsutani, Tokyo. Bamboo work.	600	963. Yasubei Yamamoto, Shizuoka. Bamboo work.	600
Tsukuzo Otsuka, Tokyo. Metallic carving and chiseling.	601	964. Yasubei Yoshida, Kyoto. Metal carving and chiseling.	601
Tsukuro Okamoto, Ishikawa. Carved work.	601	965. Yasunosuke Mizoguchi, Kyoto. Metal carving and chiseling.	601
Tsujiro Ozeki, Kanagawa. Carved work.	601	966. Yasutaro Hiraoka, Ishikawa. Art metal work.	601
Tsukan Okawa, Tokyo. Metallic carving and chiseling.	601	967. Yasuhei Shimizu, Toyama. Wood carving.	598
Tsushyo Namekawa, Tokyo. Incense work.	601	968. Yasuke Fujita, Osaka. Wood carving.	598
Tsuten Morikawa, Kyoto. Carved work.	598	969. Yokichi Konoike, Kanagawa. Carved metal work.	601
Tsutomigoro Yotsugi, Tokyo. Ivory carving.	599	970. Yoshikiyo Aoki, Kyoto. Metal carving and chiseling.	601
Tsutomokichi Fujitani, Ishikawa. Ornament.	601	971. Yoshitaro Hirano, Ishikawa. Carved woodwork.	598
Tsukuro Tatasuke, Kyoto. Wood carving.	598	972. Yukimune Sugiura, Tokyo. Metal carving.	601
Tsutanoyjo Izumi, Tokyo. Metal carving.	601	973. Zoroku Hata, Kyoto. Metal carving and chiseling.	601
		974. Zutum Yamamoto, Tokyo. Wood carving.	598

## Plate, Jewelry, Horology, Silks.

## GROUP 97.

Exhibit No.	Class'n No.	
975.		Eijiro Kashima, Tokyo. Cigar case and receiver. 607
976.		Eitaro Kugitani, Kumamoto. Watch chains. 607
977.		Hikobei Tomie, Kyōto. Silver hanging incense burner. 604
978.		Kansai Trading Company, Kyōto. a Wares of mixed metals. 608 b Antimony ware. 611
979.		Kenji Igarashi, Tokyo. Iron ware. 608
980.		Kichigoro Suzuki, Tokyo. Zinc ware. 609
981.		Kisaburo Matsumoto and nine others, Hiroshima. Spoons. 606
982.		Kisaburo Nishio, Tokyo. a Copper tray. 605 b Copper spoons. 608 c Copper ware. 608
983.		Nobori Nogawa, Kyoto. Silverware. 607
984.		Shinsuke Hayashi, Kyoto. Silverware incensers. 604
985.		Takijiro Kutsutani, Tokyo. Chate-lain. 607
986.		Takuzo Otsuka, Tokyo. Silverbowls. 605
987.		Teijiro Ozeki, Kanagawa. Gold and silver ware. 604
988.		Toyotaro Kusakari, Tokyo. a Silver spoons. 607 b Nickel ware. 610 c Buttons. 612
989.		Toyotato Kusakaci, Tokyo. Plated ware. 611
990.		Toyotaro Kusagawa, Tokyo. Table silver. 605
991.		Yasuhei Tanabe, Kumamoto. Watch chains. 607
992.		Zembei Kobayashi, Tokyo. Miscellaneous metal articles. 607

## GROUP 98.

993.		Aizo Tsuchiya, Yamanashi. Orna-ments, charms, flower vases, etc. 614
994.		Chōjirō Okada, Tokyo. Ornaments for the person. 612
995.		Kajizō Seya, Nara. Breast pins. 612
996.		Kambei Takagi, Tokyo. Crystal ornaments. 614
997.		Kanejirō Aibara, Tokyo. a Gold necklace. 612 b Rings and cuff buttons. 614
998.		Katsuhiko Kagawa, Tokyo. Cuff buttons and pins. 612
999.		Kichibei Nakamura, Tokyo. Orna-ments for th person. 612

Exhibit No.	Class'n No.	
1000.		Kumajirō Ichinose, Yamanashi. Or-naments. 614
1001.		Matsuhirō Tsuchiya, Yamanashi. Ornaments, rings, charms, etc. 614
1002.		Manzarburo Muramatsu, Tokyo. Watch chains and ornaments. 612
1003.		Minosuke Uruma, Tokyo. Bracelets and rings. 612
1004.		Mitsuaki Katō, Tokyo. Ornaments for the person. 612
1005.		Muneyoshi Nagata, Yamanashi. Ornaments, flower vases, incenser, etc. 614
1006.		Muneyoshi Oya, Yamanashi. Orna-ments, paper weights, charms, etc. 614
1007.		Precious Stone Work Company, Fukui. Agate ornaments. 614
1008.		Sadakichi Nomura, Tokyo. Cuff buttons. 612
1009.		Seijirō Tanaka, Yamanashi. Jew-elry, magnifying lenses, etc. 614
1010.		Seijirō Yanagawa, Tokyo. Orna-ments for the person. 612
1011.		Shinzō Yoshida, Ōsaka. Rings, bracelets and buttons. 612
1012.		Takijirō Kutsutani, Tokyo. Jew-elry and ornaments. 612
1013.		Tōzaemon Tomita, Tokyo. Gold ornaments for the person. 612
1014.		Yasuhei Shimizu, Toyama. Jewels. 612

## GROUP 99.

1015.		Yasubei Yamamoto, Shizuoka. Clock box. 619
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## GROUP 100.

1016.		Aziburo Fukazawa, Gumma. Raw silk. 625
1017.		Asahi Kan, Miyaga. Raw silk. 625
1018.		Asajiro Suzuki, Gumma. Silk fab-ric. 629
1019.		Asashichi Kimura, Tochigi. Silk fabric. 629
1020.		Awataba Raw Silk Association, Fu-kui. Raw silk. 625
1021.		Benjiro Ito, Yamanashi. Silk hand-kerchiefs. 630
1022.		Benjiro Suto, Gumma. a Silk fabric. 627 b Silk fabric. 630
1023.		Buemon Inose, Yamanashi. Silk handkerchiefs. 631
1024.		Buheiiji Yamazaki, Kyoto. Crepes. 630
1025.		Bunjiro Ichida, Kyoto. Silk fabric. 625
1026.		Bunjiro Sagihara, Kyoto. Crepes. 630

## Silk and Silk Fabrics.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
Denkichiro Shiina, Gumma.	Silk 629	1055. Denichiro Aikawa, Yamanashi.	Silk 627
Bunnosuke Shimizu, Kyoto.	Gold 626	Kaiki (silk fabric).	627
Bunzaemon Kakiage, Gumma.	Silk 629	1056. Denjiro Kaneko, Gumma.	Silk 629
a Silk fabric.	629	fabric.	629
b Scarfs.	630	1057. Denkichiro Tomioka, Chiba.	Raw silk. 625
Bunzo Kanno, Yamagata.	Raw 625	1058. Denshichiro Hoshino, Gumma.	Silk 630
Chobei Hisae, Kyoto.	Silk fabric. 629	gauze.	630
Chobei Okamura, Kyoto.	Silk fabric. 629	1059. Eastern Gaco Company, Nagano.	Raw silk. 625
Chobei Tase, Yamagata.	Raw silk. 625	1060. Ebi Sericulture Company, Miyazaki.	Raw silk. 625
Chogoro Fuse, Yamagata.	Raw 625	1061. Eiji Eudo, Yamagata.	Raw silk. 625
Chojyuro Kawashima, Tochigi.	Silk 629	1061a. Eijiro Takaragi, Kyoto.	Silk fabric. 629
Chosin Company, Nagano.	Raw 625	1062. Eisuke Naoki, Kyoto.	Silk fabric. 629
Chotarō Hoshino, Gumma.	Raw 625	1063. Eisuke Yajima, Yamanashi.	Raw silk. 625
Choyo Company, Nagano.	Raw 625	1064. Eizaburo Suwa, Kyoto.	Silk fabric. 629
Chozaburo Kunogise, Gumma.	Silk 630	1065. Eizo Yamato, Gumma.	Silk fabric. 629
Chuji Inoue, Gumma.	Silk fabric. 629	1066. Fujitaro Suto, Gumma.	Silk fabric. 629
Chujiro Otani, Fukushima.	Silk 627	1067. Fukuda Sericulture Union, Fukushima.	Silk fabric. 627
Chusuke Iizuka, Akita.	Raw silk. 625	1068. Fukui Silk Manufacturing Company, Fukui.	Silk fabric. 630
Chusuke Okajima, Tochigi.	Silk 627	1069. Fukutaro Morita, Gumma.	Silk fabric. 627
Chuzaburo Kimura, Shiga.	Silk 630	1070. Fushiguro Sericulture Company, Fukushima.	Floss (silk). 627
Commercial and Manufacturing Bureau showing process of manufacturing silk fabrics.	627	1071. Gaco Company, Nagano.	Raw silk. 625
Daijiro Nakajima, Gumma.	Silk 627	1072. Gempachiro Inouye, Tochigi.	Raw silk. 625
Daijiro Takei, Nagano.	Raw silk. 625	1073. Genchyu Hoshino, Yamanashi.	Silk handkerchiefs. 630
Daijiro Tomita, Aichi.	Silk fabric. 629	1074. Gene Inoue, Gifu.	Raw silk. 625
Dai Nippon Wild Silk Worms Company, Nagano.	Raw silk. 625	1075. Gengo Koyama, Gumma.	Silk fabric. 629
Daisei Co., Nagano.	Raw silk. 625	1076. Genjiro Okonoji, Gumma.	Silk fabric. 629
Dai Takahashi, Gumma.	Silk fabric. 627	1077. Genjiro Takeshi, Gumma.	Silk fabric. 629
Figured silk.	629	1078. Gennosuke Kitaoka, Kyoto.	Silk fabric. 629
Danji Suzuki, Gumma.	Silk fabric. 629	1079. Genroku Shibata, Tokyo.	Crapes. 630
Dembei Koshimitzu, Yokohama.	Silk fabric. 629	1080. Gensaku Osawa, Gumma.	Silk fabric. 628
Dengo Ishiwara, Gumma.	Silk 629	1081. Genshichi Shibata, Shiga.	Silk fabric. 630
		1082. Genzaemon Endo, Yamagata.	Silk fabric. 627
		1083. Genzaemon Kobayashi, Kanagawa.	Silk fabric. 629

## Silk and Silk Fabrics.

Exhibit No.		Class'n No.
1084.	Gihachiro Hamabe, Kyoto. fabric.	Silk 629
1085.	Gihachi Sonoda, Gumma. fabric.	Silk 629
1086.	Gihei Hashinaka, Kyoto. fabric.	Silk 630
1087.	Gihei Shimoyama, Gumma. fabric.	Silk 627
1088.	Gisaburo Okabe, Saitama. woven silk.	Plain 628
1089.	Gisaburo Osawa, Gifu. fabric.	Silk 630
1090.	Gisaburo Takayanagi, Gumma. fabric.	Silk 629
1091.	Gisaburo Watanaba, Gumma. fabric.	Silk 629
1092.	Gogyo Company, Akita. Raw silk.	625
1093.	Goroemon Kobayashi, Yamanashi. Kaiki (silk fabric).	627
1094.	Hachibei Iwai, Miyagi. a Raw silk.	552
	b Curtains.	629
1095.	Hachiro Tokue, Gumma. Raw silk.	625
1096.	Hakata Fabric Co., Fukuoka. Handkerchiefs.	630
1097.	Hakata Fabric Union, Fukuoka. Silk fabric.	628
1098.	Hakkaku Company, Nagano. Raw silk.	625
1099.	Hambei Nakamura, Kyoto. fabric.	Silk 629
1100.	Hambei Shimizu, Kyoto. fabric.	Silk 629
1101.	Hambei Suzuki, Yamanashi. Kaiki (silk fabric).	627
1102.	Hanshiro Yamato, Gumma. fabric.	Silk 629
1103.	Hanya Shinagawa, Gumma. fabric.	Silk 629
1104.	Heibei Imanishi, Kyoto. fabric.	Silk 628
1105.	Heibei Watatani, Yokohama. Handkerchiefs.	630
1106.	Heiemon Ouchi, Kyoto. Crapes.	630
1107.	Heihachi Kitagawa, Kyoto. fabric.	Silk 629
1108.	Heijuro Hiramoto, Tochigi. Fabric woven with silk and cotton.	629
1109.	Heikichi Hoshino, Gumma. Satin.	629
1110.	Heikichi Tsuji, Akita. Silk fabric.	629
1111.	Heinai Hasogawa, Yamagata. Raw silk.	629
1112.	Heizaburo Goto, Gumma. fabric.	Silk 629

Exhibit No.		Class'n No.
1113.	Heizo Ishizu, Shimane. Raw silk.	625
1114.	Heizo Suzuki, Gumma. fabric.	Silk 629
1115.	Hikohei Masuda, Gumma. fabric.	Silk 629
1116.	Hikojiro Otani, Toyama. fabric.	Silk 629
1117.	Hikoshichi Kawase, Gumma. fabric woven with cotton.	Silk 628
1118.	Hikotaro Nakajima, Gumma. fabrics.	Silk 629
1119.	Hikozaemon Inoue, Yamanashi. handkerchiefs.	630
1120.	Hirochika Hosokawa, Nagano. Raw silk.	625
1121.	Hiromitsu Amamiya, Yamanashi. Raw silk.	625
1122.	Hinodematsu Company, Nagano. Raw silk.	625
1123.	Hino Silk Manufacturing Company, Shiga. Raw silk.	625
1124.	Hirose Company, Saitama. Woven silk.	628
1125.	Hoko Yanakawa. Handkerchiefs.	630
1126.	Hosoya Silk Manufacturing Co., Aichi. Raw silk.	625
1127.	Hyosuke Akagi, Fukushima. Raw silk.	625
1128.	Ichibei Kumagai, Kyoto. a Silk fabrics.	629
	b Crapes.	630
1129.	Ichiji Suzuki, Gumma. fabric.	Silk 629
1130.	Ichimura Company, Gumma. Raw silk.	625
1131.	Ichitaro Igarashi, Gumma. fabric.	Silk 629
1132.	Iemon Kikuchi, Yamagata. Raw silk.	625
1133.	Ihei Horie, Tochigi. fabric.	Silk 629
1134.	Ihei Niwa, Gifu. Raw silk.	625
1135.	Isaburo Kimura, Shiga. fabric.	Silk 630
1136.	Isaburo Nagashima, Tochigi. Crape woven with silk and cotton.	630
1137.	Isaburo Sonoda, Gumma. fabric.	Silk 629
1138.	Isei Nakamura, Yamanashi. Kaiki (silk fabric).	627
1139.	Isei Nara, Yamanashi. Kaiki (silk fabric).	627
1140.	Isaku Tsubamoto, Nara. Raw silk.	625
1141.	Isematsu Inoue, Gumma. fabric.	Silk 629

## Silk and Silk Fabrics.

	Class'n No.	Exhibit No.	Class'n No.
sogoro Okada, Gumma. Silk fab-		1170. Jiro Wakiya, Fukushima. Raw	
	629	silk.	625
shioka Silk Manufacturing Co.,		1171. Jisuke Inoue, Gumma. Silk fabric.	629
Raw silk.	625		
soji Mamada and five others, Saita-		1172. Jisuke Sakane, Kyoto. Crapes.	630
nihil and gloss silk.	628		
soji Shinagawa, Gumma. Silk fab-		1173. Juemon Shiroki, Fukui. Raw silk.	625
	629	silk.	625
uke Harada, Kyoto. Silk fabric.	628	1174. Juhsui Kan, Nagano. Raw silk.	625
uke Yoshida, Kyoto. Crapes.	630	1175. Jyunzo Unhas, Kumamoto. Raw	
amimachi Raw Silk Union, Toya-		silk.	625
ilk fabric.	628	1176. Jyutaro Nakayama, Kanagawa.	629
a Silk Manufacturing Company,		Silk fabrics.	629
Raw silk.	625	1177. Kagoshima Silk Manufacturing	
stitution of Silk Manufacturing,		Union, Kagoshima. Raw silk.	625
ki. Raw silk.	625	1178. Kaheida Uchida, Gumma. Silk fab-	
ujiro Suzuki, Gumma. Silk fab-		ric.	629
	629	1179. Kahei Toshima, Yamaguchi. Raw	
uro Hosoya, Gumma. Silk fab-		silk.	625
	629	1180. Kahei Sowa, Kyoto. Silk fabric.	629
abuchi Silk Manufacturing Com-		1181. Kahei Yamaguchi, Yamanashi. Ka-	
iyagi. Raw silk.	625	iki (silk fabric).	627
adeyama Silk Manufacturing, Mi-		1182. Kahei Yohoyama, Gumma. Silk	
Raw silk.	625	fabric.	629
ai Company, Iwate. Raw silk.	625	1183. Kaichi Kato and one other, Yamana-	
akuni Silk Manufacturing Com-		shi. Kaiki (silk fabric).	627
amaguchi. Raw silk.	625	1184. Kairyo Company, Nagano. Raw	
emon Matsubara, Gifu.		silk.	625
Kaiki.	627	1185. Kaiehin Company, Kyoto. Raw silk.	625
ilk fabrics.	629	1186. Kaishin Company, Saitama. Raw	
emon Ouchi, Kyoto. Silk fabric.	628	silk.	625
mi Factory, Saitama. Plain		1187. Kaishyo Company, Gifu. Raw silk.	625
ilk.	628	1188. Kaizo Kimura, Gumma. Silk fabric.	627
si Nishimura, Kyoto.		1189. Kakushin Company, Yamagata.	
ilk fabric.	629	Raw silk.	625
rapes.	630	1189a. Kakutaro Aibara, Gumma. Silk	
si Tsukuda, Ishikawa. Silk fab-		fabric.	630
	628	1190. Kambei Kimura, Kyoto. Silk fabric.	629
bei Kawashima, Kyoto.		1191. Kamekichi Kato, Yamagata. Raw	
ilk wall decorations, etc	629	silk.	625
rapes.	630	1192. Kamegoro Tase, Yamagata. Raw	
ilk trimmings.	632	silk.	625
o Suzuki, Gumma. Silk fabric.	629	1193. Kamori Takimoto, Iwate. Raw	
ichi Fujita, Fukushima. Silk		silk.	625
	627	1194. Kanekichi Fukuda, Gumma. Silk	
uro Nakamura, Shiga. Silk fab-		fabric.	629
	630	1195. Kaneyama Company, Nagano. Raw	
uro Yoshida, Shiga. Silk fabric.		silk.	625
	630	1196. Kaneta Takakusagi, Gumma. Silk	
aburo Tamagami, Gumma. Silk		fabric.	630
	627	1197. Kangyo Silk Manufacturing Com-	
Inudo, Kumamoto. Raw silk.		pany, Yamanashi. Raw silk.	625
	625	1198. Kanji Matsuwara, Kanazawa. Hand-	
aburo Imai, Yamagata. Raw		kerchiefs.	630
	625		

## Silk and Silk Fabrics.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1199. Kansai Trading Company, Kyoto.	629	1228. Kihachi Takikawa, Kyoto.	629
Silk fabric.	629	fabric.	629
1200. Kanshichi Hao, Gumma. Silk fabrics.	629	1229. Kiichiro Buto, Gifu. Raw silk.	629
1201. Kantaro Miyazaki and one other, Gumma. Silk fabric.	629	1230. Kijyuro Koyama, Gumma. Silk fabric.	629
1202. Kanzaburō Maruoka, Hyogo. Raw silk.	625	1231. Kikaku Company, Yamanashi. Raw silk.	625
1203. Kanzaemon Ikeda, Akita. Silk fabric.	629	1232. Kimpachi Kazama, Yamanashi. Raw silk.	625
1204. Kashichi Fujita, Kyoto. Silk fabric.	629	1233. Kimpachiro Takayama, Miyagi. Raw silk.	625
1205. Kashiro Ogino, Gumma. Silk fabric.	629	1234. Kinjiro Shiina, Gumma. Silk fabric.	629
1206. Katsunosuke Koseki, Yokohama. Raw silk.	625	1235. Kinosuke Nishida, Tochigi. Crapes.	629
1207. Katsuyama Silk Manufacturing Company, Fukui. Raw silk.	625	1236. Kinsuke Ishizaki, Gumma. Silk fabric.	629
1208. Kazo Koridani, Fukui. Raw silk.	625	1237. Kintaro Saka, Tokyo.	629
1209. Kendo Kobayashi, Yamanashi. Kaiki (silk fabric).	627	a Table cover.	629
1210. Keigi Takagi, Gumma. Silk fabric.	629	b Handkerchiefs.	629
1211. Keiji Shikima, Yamagata. Silk fabrics.	629	c Silk fabric.	629
1212. Kengo Iwada, Gifu. Kaiki (silk fabric).	627	1238. Kinzaemon Ozawa, Nagano. Raw silk.	625
1213. Keisai Hirai, Yamanashi. Kaiki (silk fabric).	627	1239. Kinzo Igarashi, Gumma. Silk fabric.	629
1214. Keitaro Arai, Gumma. Silk fabric.	629	1240. Kirihana Silk Manufacturing Company, Gumma. Raw silk.	625
1215. Kichibei Suzuki, Yamagata. Raw silk.	625	1241. Kiroku Saba, Gumma. Silk fabric.	629
1216. Kichibei Tase, Yamagata. Raw silk.	625	1242. Kisaburo Ogawa, Fukui	629
1217. Kichiemon Nishimura, Kyoto. Silk fabric.	630	a Silk fabric.	629
1218. Kichiemon Saba, Gumma.	629	b Figured silk fabric.	629
a Figured silk fabrics.	629	1243. Kisaburo Koizumi, Kyoto. Handkerchiefs.	629
b Silk fabric.	630	1244. Kisaburo Okuzawa, Nagano. Raw silk.	625
1219. Kichiemon Sawa, Gumma. Silk fabric.	627	1245. Kisuke Adachi, Kyoto. Silk fabric.	629
1220. Kichigoro Hasegawa, Yamagata. Raw silk.	625	1246. Kiyoshi Tabuchi, Hyogo. Raw silk.	625
1221. Kichigorō Morisawa, Saitama. Raw silk.	625	1247. Kobei Nishikawa, Kyoto. Plain woven silk.	629
1222. Kichiroji Tase, Yamagata. Raw silk.	625	1248. Kodama Company, Saitama. Raw silk.	625
1223. Kichisaburo Aoki, Shiga. Silk fabric.	630	1249. Koeki Company, Nagano. Raw silk.	625
1224. Kichiya Ishiwara, Gumma. Silk fabric.	629	1250. Koheiji Mukaiyama, Saitama. Raw silk.	625
1225. Kiemon Kato, Kanagawa. Silk fabric.	629	1251. Kohei Motegi, Saitama. Floss.	627
1226. Kihei Amamiya, Yamanashi. Raw silk.	625	1252. Koichiro Koizumi, Tochigi. Silk fabric.	629
1227. Kihei Torii, Kyoto. Silk fabric.	629	1253. Koji Yoshizawa, Gumma. Silk fabrics.	629
		1254. Konan Company, Yamaguchi. Raw silk.	625
		1255. Koshichi Okabe, Kanagawa. Silk fabrics.	629
		1256. Kōsui Silk Manufacturing Company, Gumma. Raw silk.	625

## Silk and Silk Fabrics.

	Class'n No.	Exhibit No.	Class'n No.
Kotoku Komiya, Yamanashi. Silk kerchiefs.	630	1286. Munnosuke Kasahara, Gumma. fabric.	629
Koyo Company, Tochigi. Raw silk.	625	1287. Makitaro Tokase, Shizuoka. Raw silk.	625
Kozaburo Takagi, Gumma. Silk.	629	1288. Masaaki Mukaiyama, Yamanashi. Raw silk.	625
Kozo Sugeno, Fukushima. Silk.	629	1289. Masahei Zen, Gumma. Silk fabric.	629
Kumakichi Yamato, Gumma. Silk.	629	1290. Masakichi Takashiro, Gumma. Silk fabric.	627
Kumamoto Fabric Company, Kumamoto. Handkerchiefs.	630	1291. Masakoto Namekata, Fukui. Raw silk.	625
Kumamoto Silk Manufacturing Co., Kumamoto. Raw silk.	625	1292. Masao Kawaguchi, Kyoto. Crapes.	630
Kumazo Morimura, Gumma. Figured silk fabrics.	629	1293. Masashichiro Seikida, Tochigi. a Silk fabric.	628
Kumazoe, Shiga. Silk fabrics.	630	b Silk handkerchiefs.	630
Kunijiro Senga, Kyoto. Crapes.	630	1294. Masashige Inoue, Yamanashi. Silk handkerchiefs.	630
Kunitaro Komiya, Yamanashi. Silk kerchiefs.	630	1295. Masazo Akiyama, Yamanashi. Raw silk.	625
Kuntaro Kotani, Hyogo. Raw silk.	625	1296. Masazo Abe, Tochigi. Silk fabric.	629
Kurazo Koyama, Gumma. Silk.	629	1297. Mataemon Takahashi, Yamagata. Raw silk.	625
Kuzaemon Hosomume, Yamagata. Silk.	625	1298. Matsue Sericulture Company, Shimanama. Raw silk.	625
Kyoei Company, Kyoto. Crapes.	630	1299. Matsugoro Mogi, Gumma. Silk fabric.	629
Kyoryo Company, Gumma. Raw silk.	625	1300. Matsujiro Saganuma, Yamanashi. Kaiki (silk fabric).	627
Kyosha, Kanagawa. Raw silk.	625	1301. Matsunosuke Nagao, Kyoto. Silk fabric.	629
Kyoto Itomono Association, Kyoto. Twisted and thrown silks and gold thread.	626	1302. Matsushiro Silk Manufacturing Company, Nagano. Raw silk.	625
Braids.	632	1303. Matsuya Igarashi, Gumma. Silk fabric.	629
Kyoto Silk Manufacturing Company, Kyoto. Raw silk.	625	1304. Meijyu Company, Nagano. Raw silk.	625
Kyugoro Shimizu, Gumma. Silk fabric.	627	1305. Midorizo Silk Manufacturing Company, Gumma. Raw silk.	625
Crape.	630	1306. Mineyama Company, Kyoto. Crapes.	630
Kyuhai Nishikori, Shiga. Silk fabric.	630	1307. Minora Hosoda, Yamanashi. Kaiki (silk fabric).	627
Kyujiro Nakamura, Tochigi. Silk.	627	1308. Minosuke Yoshimura, Shiga. Silk fabric.	630
Kyujiro Nozawa, Kanagawa. Handkerchiefs.	630	1309. Miozo Ishikura, Gumma. Silk fabric.	629
Kyushichi Takada, Kyoto. Crapes.	630	1310. Mishima Silk Manufacturing Company, Tottori. Raw silk.	625
Kyushiro Okuyama, Yamagata. Raw silk.	625	1311. Mitsuboshi Fabric Factory, Gifu. a Kaiki (silk fabric).	627
Kyuzo Ishida, Kyoto. Crapes.	630	b Figured silk fabric.	629
Kyuzo Tsukamoto, Shiga. Raw silk.	625	c Silk fabric.	630
Kyugosaburo Naka, Kyoto. Silk.	629	1312. Mitsucoshi Silk Manufacturing Company, Gifu. Raw silk.	625
Kyujiro Noro, Gifu. Raw silk.	625	1313. Mohei Yamazoe, Kyoto. Crapes.	
Kyunkichi Takagi, Aichi. Silk fabric.	629		

## Silk and Silk Fabrics.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1314. Mokujiro Hasegawa, Kyoto. fabric.	Silk 629	1343. Orimono Kwaisha, Kyoto. fabric.	Silk 629
1315. Monzaburo Hattori, Gumma. fabric.	Silk 628	1344. Osamu Yamada, Fukushima. silk.	Raw 629
1316. Moritaro Arai, Gumma. Silk fabric.	627	1345. Oboemon Terauchi, Tochigi. fabric.	Silk 627
1317. Moritaro Fukuda, Gumma. fabric.	Silk 629	1346. Otsu Silk Manufacturing Company, Ehime. Raw silk.	629
1318. Mosaburo Sekido, Yamanashi. handkerchiefs.	Silk 630	1347. Riemon Ysuda, Fukushima. fabrics.	Silk 627
1319. Mosaburo Komata, Yamanashi. Kaiki (silk fabric).	627	1348. Rihei Kawamura, Yamagata. silk.	Raw 629
1320. Mosaku Kobayashi, Gumma. fabric.	629	1319. Riji-ro Namikawa, Shimane. silk.	Raw 629
1321. Mume Seki, Hyoto. Laces.	630	1350. Rinsaku Takagi, Gumma. fabrics.	Silk 629
1322. Nabehei Hara, Gumma. Silk fabric.	629	1351. Risaburo Koyama, Gumma. fabric.	Silk 630
1323. Nagasaki Manufacturing Company, Nagasaki. Raw silk.	625	1352. Rishichi Tanaka, Kyoto. fabric.	Silk 629
1324. Nagashige Takino, Gumma. silk.	Raw 625	1353. Rishiro Motegi, Saitama. Floss.	627
1325. Nagai Company, Yamagata. silk.	625	1354. Risuke Yoshida, Kyoto. Crapes.	630
1326. Namie Omi, Fukuohima. Raw silk.	625	1355. Rokko Company, Nagano. Raw silk.	629
1327. Namikichi Morita, Kanagawa. silk.	Raw 625	1356. Rokusaburo Komata, Yamanashi. Kaiki (silk fabric).	627
1328. Naojiro Iwano, Gumma. Satin.	629	1357. Ryosuke Iwamoto, Tochigi. Silk fabric; fabric woven with silk and cotton.	629
1329. Naojiro Takei, Gumma. Silk fabric.	629	1358. Rri Nagai, Chiba. Raw silk.	629
1330. Naokichi Hishino, Gumma. a Silk fabrics.	628	1359. Ryodayu Iwabuchi, Miyagi. Raw silk.	629
b Figured silk fabrics.	629	1360. Ryosei Company, Fukushima. Raw silk.	629
c Handkerchiefs.	630	1361. Ryosuke Iwamoto, Tochigi. a Silk fabrics.	627
1331. Nin-ichi Okada, Tokyo. Silk fabric.	628	b Crapes.	630
1332. Nippon Fabric Manufacturing Company, Gumma. Silk fabric.	630	1362. Ryotaro Mori, Gumma. a Silk fabrics.	629
1333. Nishijin Fabric Company, Kyoto. Silk fabric.	629	b Gauze and crape.	630
1334. Nishikido Silk Manufacturing Company, Miyagi. Raw silk.	625	1363. Ryujiyo Kan, Nagano. Raw silk.	629
1335. North Kanara Silk Manufacturing Company, Gumma. Raw silk.	625	1364. Sabae Fabric Company, Fukui. fabric.	Silk 629
1336. North Western Company, Nagano. Raw silk.	625	1365. Saburosuke Fujizaki, Miyagi. Woven silk.	629
1337. Obei Company, Nagano. Raw silk.	625	1366. Sadabei Yamada, Kyoto. Crapes.	629
1338. Ogaki Silk Manufacturing Company, Gifu. Raw silk.	625	1367. Sadakichi Goto, Gumma. a Silk fabrics.	629
1339. Ohama Silk Manufacturing Company, Fukui. Silk fabric.	628	b Silk fabrics.	629
1340. Omi Silk Manufacturing Company, Shiga. Raw silk.	625	1368. Sadakichi Kawai, Gumma. Crapes etc.	629
1341. Ono Company, Nagano. Raw silk.	625	1369. Sadao Kanamaru, Kyoto. fabric.	Silk 629
1342. Ono Silk Manufacturing Company, Fukui. Raw silk.	625	1370. Saemon Kangae, Yamagata. fabric.	Silk 629

## Silk and Silk Fabrics.

	Class'n No.	Exhibit No.	Class'n No.
Seishia Company, Nagano.	Raw 625	1401. Seishichi Sasaki, Kyoto.	Silk 629
Sabei Kojima, Gumma.	Silk fabric. 629	1402. Seishi Mori, Gumma.	Silk fabric. 629
Sabei Naoi, Gifu.	Raw silk. 625	1403. Seisuke Ishiwara, Gumma.	Silk 629
Sabei Saito, Gifu.	Raw silk. 625	1404. Seitaro Arai, Gumma.	Silk fabric. 628
Saijiro Amakai, Tochigi.	Silk 627	1405. Senjiro Takahusa, Gumma.	Silk 627
Sairo Sone, Yamanashi.	Kaiki (silk ic). 627	1406. Seizen Company, Gifu.	Raw silk. 625
Saisuke Iwashita, Gumma.	Silk c. 628	1407. Seizo Ii, Shiga.	Raw silk. 625
Sakichi Kuwabara, Gumma.	Silk c. 627	1408. Seizo Nakajima, Gumma.	Silk 629
Sakichiro Fujibu, Gumma.	Silk c. 629	1409. Shichibei, Fukushima.	Saitama. Plain woven silk. 628
Sakubei Nobashi, Kyoto.	Crapes. 630	1410. Shichihei Kojima, Gumma.	Silk fabric. 629
Sakunosuke Kinugawa, Hyogo.	silk. 626	1411. Shichiyo Company, Nagano.	Raw silk. 625
Sakushichi Hasegawa, Tochigi.	Silk 629	1412. Shigeo Iwata, Yokohama.	Silk fabrics. 629
Sanei Company, Kyoto.	Crapes. 630	1413. Shigeru Takata, Tokyo.	Silk fabric. 628
San-emon Mizushima, Tokyo.	Silk 628	1414. Shigezo Oka, Osaka.	Braids and tassels. 632
Sanin Silk Manufacturing Company,	Raw silk. 625	1415. Shimbei Motegi, Tochigi.	Crapes. 630
Sankichi Yonezawa, Tokyo.	Silk 628	1416. Shimpachi Mizawa, Yamanashi.	Silk handkerchiefs. 630
Sano Silk Manufacturing Company,	Raw silk. 625	1417. Shinei Company, Kobe.	Hemp and floss. 627
Sasuke Hasegawa, Kyoto.	Silk 629	1418. Shinjo Fabric Union, Yamagata.	Silk fabric. 628
Sataro Tsujihara, Kyoto.	Raw silk. 625	1419. Shinkichi Hagishima, Kanagawa.	Silk fabrics. 629
Sawaemon Okumura, Gifu.	Silk 629	1420. Shinsei Company, Nagano.	Raw silk. 625
Seibei Hiratsuka, Yamanashi.	Kaiki fabric). 627	1421. Shinshichi Iida, Kyoto.	a Silk fabrics. 628 b Silk fabrics. 628 c Silk fabrics. 630
Seibei Itagaki, Gumma.	Silk 629	1422. Shinshichi Tani, Kyoto.	Silk fabric. 629
Seibei Naiki, Kyoto.	Silk fabric. 628	1423. Shinsho Company, Gifu.	Raw silk. 625
Seibei Nishibori, Kyoto.	Crapes. 630	1424. Shinyo Kan, Nagano.	Raw silk. 625
Seiichi Watanabe, Yamanashi.	Silk kerchiefs. 630	1425. Shinzaburo Morishita, Gumma.	Silk fabric. 627
Siemon Yonetake, Miyagi.	Raw 625	1426. Shisan Stock Exchange, Oita.	Raw silk. 625
Shihiro Akutagawa, Kyoto.	Silk 629	1427. Shizoku Institute, Miyazaki.	Raw silk. 625
Shihiro Shimoyama, Gumma.	Silk 630	1428. Shizukawa Union Reeling Company,	Miyagi. Raw silk. 625
Shiyuro Iwase, Gumma.	Silk fabric. 629	1429. Shizuoka Silk Manufacturing Com-	pany, Shizuoka. Raw silk. 62
Shizichi Ukai, Aichi.	Silk handker- 630		

## Silk and Silk Fabrics.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1439. Silk Industry Company, Nagano.	625	1460. Sozaemon Nishimura, Kyoto.	Silk
Raw silk.		fabric.	625
1440. Shimachi Mitaukuchi Spinning Mill.	627	1461. Sozaemon Noshimura, Kyoto.	Silk
Common Spun silk.		fabric.	625
1441. Shinji Namie, Kyoto. Crapes.	630	1462. Seckichi Murazato, Iwate.	Raw
1442. Shorhei Yashiro, Kyoto.		silk.	625
Raw silk fabric.	625	1463. Seishoken, Yamagata. Raw silk.	625
1443. Shohachi Tanikawa, Kyoto.	Silk	1464. Seitomo Silk Manufacturing Com.	Raw silk.
625		1465. Sakajiro Kaneko, Gumma.	Silk
1444. Shohhei Awano, Yamanashi. Kaki.	625	1466. Sakao Nomura, Fukuoka. Raw	625
1445. Shohhei Nomura, Gumma. Silk	625	1467. Sawizo Iijima, Gumma. Silk fabric	625
1446. Shohhei Nomura, Yamanashi. Kaki.	625	1468. Tadashichi Yamato, Gumma. Silk	625
1447. Shohhei Company, Nagano. Raw silk.	625	1469. Taimon Abe, Kanazawa. Hand-	625
1448. Shohhei Company, Gumma. Raw	625	1470. Tasei Company, Nagasaki. Raw	625
1449. Shohhei Silk Manufacturing Com.	625	1471. Taiyo Company, Nagano. Raw silk.	625
1450. Shohhei Silk Manufacturing Com.	625	1472. Takamasa Kobayashi, Yamanashi.	Silk
1451. Shohhei Silk Manufacturing Com.	625	Raw silk fabric.	625
1452. Shohhei Silk Manufacturing Com.	625	1473. Takashima Company, Nagano. Raw	625
1453. Shohhei Silk Manufacturing Com.	625	1474. Takashimizu Silk Manufacturing	Raw silk.
1454. Shohhei Silk Manufacturing Com.	625	1475. Takayama Silk Manufacturing Com.	Raw silk.
1455. Shohhei Silk Manufacturing Com.	625	1476. Takayama Silk Manufacturing Iriya	Raw silk.
1456. Shohhei Silk Manufacturing Com.	625	1477. Takayama Institute, Miyazaki. Raw	625
1457. Shohhei Silk Manufacturing Com.	625	1478. Takayama Fuchigami, Kagoshima.	Raw
1458. Shohhei Silk Manufacturing Com.	625	1479. Takayama Kato, Tokyo. Specimen	625
1459. Shohhei Silk Manufacturing Com.	625	1480. Takayama Hayashi, Kanagawa. Hand-	625
1460. Shohhei Silk Manufacturing Com.	625	1481. Takayama Hoshino, Gumma. Silk	625
1461. Shohhei Silk Manufacturing Com.	625	1482. Takayama Suzuki, Tochigi. Silk	625
1462. Shohhei Silk Manufacturing Com.	625	1483. Takayama Akima, Tochigi. Silk	625
1463. Shohhei Silk Manufacturing Com.	625	1484. Takayama Ohama, Shiga. Raw	625
1464. Shohhei Silk Manufacturing Com.	625	1485. Takayama Shimazaki, Yamagata.	Raw
1465. Shohhei Silk Manufacturing Com.	625	1486. Takayama Company, Yamagata. Raw	625
1466. Shohhei Silk Manufacturing Com.	625	1487. Takayama Ishiwara, Gumma. Silk	625
1467. Shohhei Silk Manufacturing Com.	625	1488. Takayama Sawamura, Kyoto. Crapes.	625

## Silk and Silk Fabrics.

Class'n No.	Exhibit No.	Class'n No.
Tatsumi Tase, Yamagata. Raw silk.	1518. Tsunekichi Fukuda, Gumma. Silk fabric.	629
Teizaburō Kambe, Gumma. Raw silk.	1519. Tsunehachi Nishikawa, Tokyo. Silk handkerchiefs.	630
Teizaburō Torikoe, Hiroshima. Silk.	1520. Tsunejiro Hoshino, Gumma. Satin.	629
Teruyoshi Onoda, Yamanashi. Kaiki fabric).	1521. Tsunejiro Shoda, Aichi. Silk handkerchiefs.	630
Toei Company, Nagano. Raw silk.	1522. Tsune Tokunaga, Gumma. Silk fabric.	628
Togoro Kimura, Shiga. Silk fabric.	1523. Tsunesaku Yosuda, Fukushima. Raw silk.	625
Tojyuro Sando, Gumma. Silk fabric.	1524. Uhachi Inada, Kyoto. Silk fabric.	628
Tokiraro Ogawa, Kanagawa. Silk.	1525. Uhachi Suzuki, Gumma. Silk fabric.	629
Toko Company, Nagano. Raw silk.	1526. Uhei Hatano and one other, Yamanashi. Kaiki (silk fabric).	627
Tokubei Nagao, Kyoto. Silk fabric.	1527. Umazo Imai, Nagano. Raw silk.	625
Tokuji Kiriyaama, Tokyo. Crapes.	1528. Unosuke Yui, Fukushima. Silk fabrics.	627
Tokuemon Ehara, Kyoto. Handkerchiefs.	1529. Ushigoro Igarashi, Gumma. Silk fabric.	629
Tokuemon Mitsukoshi, Tokyo. Fig-silk fabric.	1530. Usui Company, Gumma. Raw silk.	625
Tokunosuke Itoi, Kyoto. Crapes.	1531. Uraji Kobayashi, Gumma. Silk fabrics.	629
Tokushin Company, Nagano. Raw silk.	1532. Uzo Konno, Yamagata. Raw silk.	625
Tomiemon Suzuki, Gifu. Kaiki fabric).	1533. Wakichiro Omura, Tokyo. a Plain silk fabric.	628
Tomisaburo Morimura, Gumma. fabric.	b Figured fabric.	629
Tomojiro Inoue, Gumma. Silk.	c Crapes.	630
Tomokichi Suto, Gumma. Silk.	1534. Wakichi Yajima, Gumma. Silk fabric.	629
Tomozo Yanai, Gumma. Raw silk.	1535. Wasaburo Abe, Iwate. Raw silk.	625
Toshishige Myashita, Yamanashi. (silk fabric).	1536. Wasuke Funakoshi, Kyoto. a Handkerchiefs.	630
Toraichi Date, Kyoto. Yamato-a (silk fabric so called).	b Ladies' dress trimmings.	632
Toshiro Okonogi, Tochigi. Silk fabric.	1537. Wasuke Matsukoshi, Kyoto. Silk fabric.	628
Crape.	1538. Wasuke Umehara, Kyoto. Raw silk.	625
Osake Yanagita, Tochigi. Silk.	1539. Yahei Inoue, Gumma. Silk fabric.	629
Oyozo Yamato, Gumma. Silk.	1540. Yahei Oseki, Gifu. Silk fabric.	630
Ozaemon Ando, Yamanashi. Silk erchiefs.	1541. Yaichira Shimojo, Gumma. Silk fabric.	629
Ozawa Silk Manufacturing Company, Gumma. Raw silk.	1542. Yajima Company, Nagano. Raw silk.	625
Sukahara Company, Yamagata. Silk.	1543. Yakichi Suzuk, Gumma. Silk fabric.	629
Shō Koshida, Gumma. Raw silk.	1544. Yamaguchi Silk Manufacturing Company, Yamaguchi. Raw silk.	625
	1545. Yamanaka Silk Manufacturing Company, Shiga. Raw silk.	625

## Silk and Silk Fabrics, Fibres.

Exhibit No.	Class'n No.	Exhibit	Class'n No.
1546.	Silk	1574.	Silk
Yanojo Naganuma, Gumma. fabrics.	629	Yoshizo Maruyama, Tochigi. fabric.	627
1547.	Silk	1575.	Raw silk.
Yasaburo Hashimoto, Kyoto. fabric.	629	Yosuke Shibata, Akita. Raw silk.	625
1548.	Raw silk.	1576.	Raw silk.
Yasaburo Morishima, Shiga. silk.	625	Yuge Silk Manufacturing Company, Kyoto. Raw silk.	625
1549.	Silk fabric.	1577.	Raw silk.
Yashichi Hirai, Kyoto. Silk fabric.	629	Yuki Company, Saitama. Raw silk.	625
1550.	Crapes.	1578.	Raw silk.
Yashichi Taniai, Kanagawa. Crapes.	630	Yuko Company, Kyoto. Raw silk.	625
1551.	Kaiki	1579.	Raw silk.
Yashemon Kumazawa, Gifu. (silk fabric).	627	Yumei Company, Nagano. Raw silk.	625
1552.	Association, Floss.	1580.	Silk fabric.
Yasuhara Raw Silk Dealers' Association, Fukushima. Floss.	627	Yunoshin Midorigawa, Gifu. Silk fabric.	629
1553.	Raw silk.	1581.	Silk fabric.
Yasuhei Shimizu, Tochigi. Raw silk.	625	Yusuke Igarashi, Gumma. Silk fabric.	629
1554.	Silk fabric.	1582.	Silk fabric.
Yasujiro Matsubayashi, Kyoto. Silk fabric.	629	Yuzo Ikeda, Kyoto. Silk fabric.	628
1555.	Silk fabrics.	1583.	Raw silk.
Yasutaro Taira, Kanagawa. Silk fabrics.	629	Zembei Hasegawa, Yamagata. Raw silk.	625
1556.	Raw silk.	1584.	Silk fabrics.
Yasuzaemon Ichikawa, Tochigi. a Silk thread.	626	Zembei Ono, Kyoto. a Silk fabrics.	628
b Window curtains.	629	b Artistic velvet fabrics.	629
c Crapes.	630	1585.	Raw silk.
1557.	Raw silk.	Zembei Sugano and five others, Fukushima. Silk fabric.	627
Yasuzaemon Kusaka, Hyogo. Raw silk.	625	1586.	Raw silk.
1558.	Silk fabric.	Zewemon Iwaya, Shimane. Raw silk.	625
1558a.	Silk fabric.	1587.	Raw silk.
Yasuzo Igarashi, Gumma. Silk fabric.	629	Zenemon Toyoda, Osaka. Embroidering (silk).	625
1559.	Silk fabric.	1588.	Silk fabric.
Yasuzo Yamada, Kyoto. Silk fabric.	629	Zenshichi Fujii, Kyoto. Silk fabric.	629
1560.	Silk fabric.	1589.	Silk fabric.
Yataro Shiraishi, Tochigi. Silk fabric.	629	Zenshichi Watanabe, Kyoto. Silk fabric.	629
1561.	Silk fabric.	1590.	Raw silk.
Yazo Igarashi, Gumma. Silk fabric.	629	Zenshinsha, Kanagawa. Raw silk.	625
1562.	Raw silk.	1591.	Crapes.
Yogoro Matsumoto, Yamagata. Raw silk.	625	Zentaro Yasuhara, Kyoto. Crapes.	630
1563.	Kaiki	1592.	Silk fabric.
Yoichi Kamijo, Yamanashi. (silk fabric).	627	Zenzaburo Ihibashi, Chiba. Silk fabric.	627
1564.	Kaiki	1593.	Silk fabric.
Yohei Amari, Yamanashi. (silk fabric).	627	Zenzaemon Onozato, Gumma. Silk fabric.	629
1565.	Table covers; fabric.		
Yonejiro Yamaka, Osaka. Table covers; fabric.	629		
1566.	Silk fabric.		
Yonekichi Mogi, Gumma. Silk fabric.	629		
1567.	Raw silk.		
Yonezawa Silk Manufacturing Company, Yamagata. Raw silk.	625		
1568.	Satin.		
Yoshigoro Inamura, Gumma. Satin.	629		
1569.	Silk fabric.		
Yoshitaro Matsui, Fukui. Silk fabric.	628		
1570.	Silk fabric.		
Yoshihei Moriyama, Gumma. Silk fabric.	629		
1571.	Table cover.		
Yoshihei Moriyama, Kiryu. Table cover.	629		
1572.	Kaiki (silk fabric).		
Yoshimaro Hachisuka, Yamanashi. Kaiki (silk fabric).	627		
1573.	Kaiki		
Yoshiro Koizumi, Yamanashi. (silk fabric).	627		

## GROUP 101.

1594.	Rawie fabrics.
Buemon Fuchinonye, Kagooshima. Ramie fabrics.	624
1595.	Wheat straw braids.
Chujiro Yamaoka, Osaka. Wheat straw braids.	625
1596.	Matting.
Dembei Ban, Tokyo. Matting.	625
1597.	Wheat straw braids.
Genshiro Okada, Osaka. Wheat straw braids.	625
1598.	Wheat straw braids.
Hakui Association, Yamaguchi. Wheat straw braids.	625
1599.	Matting.
Hayami Company, Mat Trading Association, Oita. Matting.	625
1600.	Matting.
Hayashima Trading Company, Okayama. Matting.	625
1601.	Matting.
Higashi Kokato County Mat Traders' Association, Oita. Matting.	625

### Fibres, Yarns and Woven Goods of Cotton, Linen, Etc.

	Class'n No.	Exhibit No.		Class'n No.
Hidetaro Torigae, Kanagawa.	635	1631.	Yoshihei Tomohori, Kyoto.	634
at straw braids.			fabrics.	
Inosuke Harata, Osaka.	635	1632.	Hachirobei Niimi, Kyoto.	634
v braids.			fabric.	
Ishuke Yasada, Ishikawa.	635	GROUP 102.		
Matting.		1633.	Aichi Trading Association, Aichi.	638
Jyubei Komatsu, Oita.	635		Cotton fabric.	
Matting.		1634.	Alkitaro Sadakata, Tochigi.	638
Kanai Trading Company, Kyoto.	635		ton fabric.	
ings.		1635.	Benjiro Suto, Gumma.	638
Kiemon Shimazawa, Hiroshima.	635		fabric.	
ings.		1636.	Buemon Fuchinoue, Kagoshima.	639
Kin-on Association and three others,	635		Handkerchiefs.	
ama, Matting.		1637.	Buemon Fujinoue, Kagoshima.	638
Kobei Kondo, Hiroshima.	635		ton fabrics.	
Matting.		1638.	Bunroku Oka, Kyoto.	638
Matting.			fabric.	
Kozo Shimoto, Kumamoto.	635	1639.	Bunzaemon Kakiage, Gumma.	638
braids.			ton fabric.	
Jyubei Akawaga, Osaka.	635	1640.	Chikataro Shimizu, Saitama.	638
Matting.			ton fabric.	
Kanjiro Misota, Tokyo.	634	1641.	Chotaro Hatsugai, Tochigi.	638
able fabric.			fabric.	
Konosuke Tsubota, Shiga.	634	1642.	Chozo Washio, Hyogo.	638
Linen			Canvas.	
chiefs.		1643.	Daijiro Temita, Nagoya.	638
Mat.			fabric.	
Kat Traders' Association, Fukuoka.	635	1644.	Gempei Maruyama, Tochigi.	638
ings.			ton fabric.	
Kinki Isosaki and one other,	635	1645.	Gihachi Koizumi, Tochigi.	638
ama, Matting.			fabric.	
Kaobei Imatani, Okayama.	635	1646.	Gonjiro Yamamoto, Nagoya.	638
Mat.			ton fabric.	
Kokuhei Mishima, Ishikawa.	635	1647.	Hachirobei Niimi, Kyoto.	638
Mat.			fabrics.	
Kyoen Association, Okayama.	635	1648.	Hanjiro Iitsuke, Tochigi.	638
Mat.			fabric.	
Kyo Miyata and one other, Okayama.	635	1649.	Hanzaemon Komai, Shiga.	638
straw braids.			fabric.	
Kanen Association, Kagawa.	635	1650.	Hanzo Shinozaki, Tochigi.	638
Mat.			fabric.	
Kanji Nakamura, Yamaguchi.	634	1651.	Hatsuji Suzuki, Tochigi.	638
Hemp			fabric.	
Kiku Kumada, Kumamoto.	635	1652.	Heihachi Kitagawa, Kyoto.	638
Mat.			Table	
Mat.			cover.	
Kishiroka, Ishizawa Kumamoto.	635	1653.	Heiji Iizawa, Tokyo.	638
straw braids.			Towels.	
Kizaburo Osawa, Osaka.	635	1654.	Hidezo Funaki, Tottori.	638
Rush			fabric.	
ings.		1655.	Hikoemon Yokoe, Shiga.	638
Kichihiei Oita, Osaka.	635		fabric.	
Wheat straw		1656.	Ichimon Koizumi, Saitama.	638
ropes.			ton fabric.	
Kokichi Matsuya and three others,	635	1657.	Ichigoro Kawakubo, Saitama.	638
ama, Matting.			Fabric (silk and cotton mixed).	
Matting.		1658.	Ihei Oguma, Saitama.	638
ishiro Tsukiji, Kumamoto.	635		fabric.	
Mat.		1659.	Isaburo Nagashima, Tochigi.	638
Mat.			ton fabric.	
moji Nakayama, Kochi.	635			
Mat.				
rakiyo Sato, Tokyo.	634			
for				
decorations.				
suemon Naitara, Yamaguchi.	635			
straw braids.				

## Yarns and Woven Goods of Cotton, Linen, Etc.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1660. Iwajiro Fujimura, Kyoto.	Cotton 638	1689. Motoshichi Maekami, Ehime.	Cotton 638
1661. Jimbei Funaki, Tottori.	Cotton 638	1690. Nagakau Tu Nagakubo, Toyama.	Cotton 638
1662. Jisaburo Yanai, Hyogo.	Cotton 638	1691. Naoyoshi Nishida, Osaka.	Cotton 638
1663. Jisaku Yamaguchi, Saitama.	Cotton 638	1692. Nizarmon Terada, Osaka.	Cotton 638
1664. Jyutaro Okada, Tokyo.	Cotton 638	1693. Rihei Mamifuda, Tochigi.	Cotton 638
1665. Kahei Shibata, Nara.	Cotton fabric. 638	1694. Rihei Shimozaki, Tochigi.	Cotton 638
1666. Kahei Shiraishi, Chiba.	Cotton fabric. 638	1695. Ryosuke Iwamoto, Tochigi.	Cotton 638
1667. Kakubel Noguchi, Kyoto.	Tapestry. 638	1696. Ryotaro Mori, Gumma.	Cotton 638
1668. Kaneshichi Maeta, Tokyo.	Cotton fabrics. 638	1697. Sashichi Sekine, Tochigi.	Cotton 638
1669. Kashihiro Sato, Aichi.	Cotton fabric. 638	1698. Seishichi Sasaki, Kyoto.	Cotton 638
1670. Katsuemon Shimizu, Saitama.	Cotton fabric. 638	1699. Seishoku Association, Aichi.	Cotton 638
1671. Katsujiro Sawai, Tokyo.	Cotton fabrics. 638	1700. Senachichi Onda, Tottori.	Cotton 638
1672. Katsusaku Yamauchi, Tokyo.	Cotton fabrics. 638	1701. Sennosuke Ushiyama, Tochigi.	Cotton 638
1673. Kichibei Fukai, Chiba.	Cotton fabric. 638	1702. Sheizaemon Ishikawa, Kanagawa.	Cotton fabric. 638
1674. Kihei Shimomura, Saitama.	Cotton fabric. 638	1703. Shimpei Arai, Tochigi.	Cotton 638
1675. Kihei Yahagi, Saitama.	Cotton fabric. 638	1704. Kahei Shiraishi, Chiba.	Cotton 638
1676. Kitaro Takasawa, Gumma.	Cotton fabric. 638	1705. Shobei Kawamura, Tokyo.	Cotton 638
1677. Kohei Endo, Saitama.	Cotton fabric. 638	1706. Shobei Kawata, Tottori.	Cotton 638
1678. Kojyuro Mogi, Gumma.	Cotton fabric. 638	1707. Sukejiro Kojima, Aichi.	Cotton 638
1679. Kotaro Iwakami, Tochigi.	Cotton fabric. 638	1708. Sukasaburo Katsura, Aichi.	Cotton fabric. 638
1680. Kumataro Otsuha, Gumma.	Cotton fabric. 638	1709. Taichiro Kawashima, Gumma.	Cotton 638
1681. Kyubei Kawashima, Tochigi.	Cotton fabric. 638	1710. Temma Weaving Company, Gumma.	Cotton flannel. 638
1682. Kyujiro Kawakami, Kyoto.	Figured fabric. 638	1711. Tokaji Kiriya, Tokyo.	Cotton 638
1683. Manjiro Mirota, Tokyo.	Cotton fabrics. 638	1712. Tomokichi Kashiwazaki, Tokyo.	Cotton fabric. 638
1684. Mankichi Takagi, Aichi.	Cotton fabric. 638	1713. Torazo Mogi, Tochigi.	Cotton 638
1685. Masuke Tsubata, Shiga.	Cotton fabric. 638	1714. Toshiro Otsu, Tochigi.	Cotton 638
1686. Minekichi Kikuchi, Tochigi.	Cotton fabric. 638	1715. Tosuke Nasa, Osaka.	Cotton 638
1687. Mohei Kojima, Gumma.	Cotton fabric. 638	1716. Tsumehachi Kishikawa, Tokyo.	Cotton handkerchiefs. 638
1688. Mohei Sanaga, Tochigi.	Cotton fabric. 638	1717. Umajiro Iwata, Kanagawa.	Cotton 638
		1718. Yochiro Otsu, Osaka.	Cotton 638

urns and Woven Goods of Cotton, Etc., Felted Goods, Clothing, Furs, Laces.

	Class'n No.
Yoshiebei Sunaga, Tochigi. Cotton	638
Yoshitaro Koizumi, Tochigi. Cotton	638
Yoshitomi Yanase, Ehime. Cotton	638
Yuzo Ikeda, Kyoto. Table cover.	638
Zenbei Tanaka, Gifu. Cotton fabric	638
Zenzaburo Segawa, Ehime. Cotton	638

### GROUP 103.

Chojiro Okada, Tokyo. Feather	651
Hatsuji Suzuki, Tochigi. Fabric and cotton mixed).	644
Heibei Sakamoto, Osaka. Woolen	641
Kojiro Harai, Osaka. Flannels.	644
Kuranosuke Okata, Tochigi. Cotton fabric with wool.	647
Keikichi Ida, Osaka. Drugget.	648
Kakuhei Tada, Tokushima. Woolen, woven on cotton warps.	645
Kakichi Kuribayashi, Hyogo. Hair	651
Koshiebei Tonohori, Kyoto. Woolen	641
Koshitaro Yenoshima and four others, hima. Woolen fabric, woven on warp.	645
Kempei Harigasane, Tokyo. Feather	651

### GROUP 104.

Kitaro Iijima, Kanagawa. Straw	654
Kuji Condo, Gumma. Grant bonnet.	655
Kieemon Nagakura, Shizuoka. Made with bamboo.	654
Khibei Kumagai, Kyoto. Japanese	653
Kaji Otsuka, Tokyo. Boots and	656
Kosuke Nemoto, Tokyo. Clothing.	652
Kao Murakami, Tokyo. Shoes and	656
Kobei Miura, Osaka. Underwear.	652
Korizo Iinuma, Tokyo. Shoes.	656
Kura Company, Tokyo. Boots	656
Kusanemon Ishikawa, Kanagawa.	653

Exhibit No.	Class'n No.
1747. Shinshichi Iida, Kyoto. Japanese robes.	653
1748. Seishokusha, Aichi. Clothing.	652
1749. Takijiro Kutsutani, Tokyo. Belt.	658
1750. Takuzo Otsuka, Tokyo. Japanese robes with accessories.	653
1751. Tokueemon Mitsugoshi, Tokyo. Dresses.	653
1752. War Department, Ways and Means Bureau. Military uniforms.	653
1753. Waichi Okamoto, Osaka. Underwear.	652
1754. Wakichiro Omura, Tokyo. Gowns, sash, etc.	653
1755. Yasu Araki, Osaka. Gown and belt.	653
1756. Yoshitaro Enoshima and four others, Tokushima. Clothing.	652
1757. Zembai Ono, Kyoto.	
a Japanese clothing.	652
b Japanese gowns.	653

### GROUP 105.

1758. The Imperial Fishery Company, Hokkaido. Furs.	
Leather and Shoe Trades Bldg.	660

### GROUP 106.

1759. Benjiro Miyamoto, Osaka. Tapes-try. Leather and Shoe Trades Bldg.	670
1760. Bunsuke Imasaka, Kyoto. Fans.	667
1760a. Bunsuke Sakata, Kyoto. Fans.	667
1761. Chyu Mizutani, Osaka. Fans.	667
1762. Dembei Kashimitsu, Kanagawa. Embroidery work.	669
1763. Dembei Kitagawa, Nara. Fans.	667
1764. Einosuke Kiyohara, Tokyo. Plaque.	665
1765. Eizaburo Ikeda, Osaka. Fans.	667
1766. Fusajiro Nakamura, Kyoto. Fans.	667
1767. Glichi Kimura, Hyogo.	
a Gold laces.	664
b Thread; embroidery screens.	665
1768. Gisuke Nakamura, Osaka. Buttons.	668
1769. Gisuke Tsukamoto, Kyoto. Fans.	667
1770. Hanzaburo Imamura, Nagasaki. Embroideries.	669
1771. Heibei Watatani, Ishikawa. Embroidery.	665
1772. Higher Girls' Training Institute, Ishikawa. Embroidery work.	665
1773. Hikosaburo Watani, Osaka. Tape-stry.	670

## Laces, Embroideries, Trimmings, Fans, Etc.

Exhibit No.	Class'n No.	
1774.	667	Ichibei Kawagishi, Kumamoto. Fans.
1775.	667	Ichitaro Morimura, Tokyo. Fans.
1776.	666	Ikunosuke Yoshimasu, Osaka. Artificial flowers.
1777.	665	Inosuke Matsui, Tokyo. Cigar case.
1778.	667	Isuke Nakajima, Kyoto. Fans.
1779.	670	Iwazo Mitani, Osaka. Tapestry.
1780.	665	Jimbei Kawashima, Kyoto. Embroideries.
1781.	667	Jisaburo Sasaki, Kyoto. Fans.
1782.	667	Jokyo Teiami, Kyoto. Fans.
1783.	671	Kakubei Noguchi, Kyoto. Tapestry.
1784.	670	Kambei Kawase, Kyoto. Tapestry (handmade).
1785.		Kansai Trading Company, Kyoto.
		a. Fans.
		b. Embroideries.
		c. Tapestry.
1786.	664	Katsu Makita, Tokyo. Laces.
1787.	667	Kichibei Furusawa, Kyoto. Fans.
1788.	665	Kichibei Nakamura, Tokyo. Card receivers.
1789.	667	Kihei Kawakatsu, Osaka. Fans.
1790.	667	Kisaburo Ishizumi, Kyoto. Fans.
1791.	666	Kisaburo Nishio, Tokyo.
	667	a Artificial flowers.
	668	b Fans.
	668	c Pins.
1792.	665	Kitaro Yoshizawa, Tokyo. Embroideries.
1793.	664	Kiyoko Mochigase, Tokyo. Laces.
1794.	670	Kosei Association, Saga. Tapestry.
1795.	665	Kumekichi Shiomasu, Nagasaki. Embroidery.
1796.	664	Kyoto Itomono Association, Kyoto. Threads for embroidering.
1797.	667	Kyugoro Hirano, Kyoto. Fans.
1798.	666	Kyujiro Yamada, Osaka. Artificial flowers.
1799.	667	Kyukichi Miki, Kagawa. Fans.
1800.	666	Manji Hattori, Tokyo. Artificial flowers.
1801.	667	Mankich Tanaka, Kagawa. Fans.
1802.	667	Masanori Hanawa, Kyoto. Fans.
1803.	667	Masataro Sakurai, Osaka. Fans.

Exhibit No.	Class'n No.	
1804.	667	Matenjiro Kawamata, Osaka. Tapestry.
1805.	667	Mohachi Saito, Kagawa. Fans.
1806.	667	Mohei Inoue, Aichi. Fans.
1807.	667	Naojiro Teshigawara, Gifu. Fans.
1808.	666	Naotaro Suzuki, Tokyo. Cuff buttons.
1809.	666	Nao Tsuruta, Tokyo. Embroideries.
1810.	666	Narazo Fukuoka, Osaka. Embroidered plaques.
1811.	667	Otojiro Okuma, Tokyo. Fans.
1812.	667	Rinosuke Toyama, Osaka. Hand tapestry.
1813.	667	Risaburo Oda, Shizuoka. Fans.
1814.	665	Rishichi Tanaka, Kyoto. Embroideries.
1815.	666	Risuke Sugiyama, Kobe. Tapestry.
1816.	667	Saburobei Kanasawa. Fans.
1817.	666	Saijiro Shiba, Osaka. Tapestry.
1818.	665	Sanemon Mitzushima, Tokyo. Embroideries.
1819.	665	Seishichi Tanaka, Kyoto. Embroideries.
1820.	666	Seitaro Ishikawa, Kagawa. Fans.
1821.	666	Seizaemon Ishikawa, Kanagawa. Trimmings.
1822.	667	Shigezo Rinami, Kyoto. Fans.
1823.	667	Shimbei Endo, Kyoto. Fans.
1824.	665	Shinsuke Nakamura, Osaka. Artificial flowers.
1825.	667	Shiro Katayama, Kagawa. Fans.
1826.	666	Shohei Shiino, Kanagawa. Embroidery work.
1827.	667	Shotaro Fujimoto, Osaka. Tapestry.
1828.	667	Shotaro Ohashi, Kobe. Tapestry.
1829.	667	Sobei Wakano, Osaka. Tapestry.
1830.	667	Sojiro Hashino, Osaka. Tapestry.
1831.	666	Soshichi Kumai, Osaka. Artificial flowers.
1832.	667	Soshiro Nishita, Kyoto. Fans.
1833.	666	Sozaemon Nishimura, Kyoto. Art embroidery works.
1834.	666	Sozaemon Seko, Hyogo. Embroidered screens.
1835.	666	Shunshi Shimada, Kumamoto. Fans.

## Laces, Embroideries, Fans, Hair Work, Traveling Equipments.

	Class'n No.	Exhibit No.		Class'n No.
adamasa Hayashi, Tokyo. Em- broid.	669	1866.	Zenkichi Shibamura, Osaka. Tapes- try.	670
GROUP 107.				
aeon Abe, Ishikawa. Table cover.	665	1867.	Kikumatsu Kato, Tokyo. a Hair pins.	678
Embroidered silk fans.	667		b Combs.	675
akejiro Kokama, Kagawa. Fans.	667	1868.	Kosuke Kano, Osaka. Tooth brushes.	675
amuro Okamoto, Ishikawa. Em- broid.	665	1869.	Naotaro Nakada, Osaka. Tooth brushes.	675
asaburo Morimoto, Kyoto. Fans.	667	1870.	Osaka Seigyo Company, Osaka. Brushes.	675
atsuo Sawada, Okayama. Fans.	667	1871.	Ryunosuke Minakuchi, Osaka. Tooth brushes.	675
bei Tomiha, Kagawa. Fans.	667	1872.	Sanen Company, Kawaga. Straw brushes.	675
kujiro Sasa, Kyoto. Fans.	667	1873.	Shocigumi, Osaka. Combs.	675
kyo Lace Institute, Tokyo.	664	1874.	Sosuke Hoshino, Tokyo. Combs.	675
rajiro Shiba, Osaka. Tapestry.	670			
ramatsu Suzuki, Aichi. Fans.	667	1875.	Takijiro Kutsutani, Tokyo. a Hair pins.	673
yo Aoki, Tokyo. Rings and ear- rings.	668		b Combs.	675
unejiro Shida, Aichi. Embroid- ery.	669	1876.	Tokichi Kawabe, Osaka. Brushes.	675
uneshichi Kamedani, Kyoto.	667	1877.	Tokusaburo Ise, Osaka. Combs.	675
rajiro Kumihashi, Kagawa. Fans.	667	1878.	Toramatsu Suzuki, Nagoya. Brushes.	675
ukichi Matsui, Hyogo. Cotton tapestry.	670	GROUP 108.		
ukichiro Omura, Tokyo. Em- broid.	669	1879.	Arinobu Mitani, Fukuoka. Parasols.	682
osuke Kawamura, Kyoto. Fans.	667	1880.	Chiryō Hirose, Ishikawa. Cigarette case (lacquered).	680
ubei Fukuda, Kyoto. Fans.	667	1881.	Chyojiro Okada, Tokyo. a Satchels.	678
ubei Yamamoto, Shizuoka.	667		b Leather work.	680
uke Takamasu, Osaka. Fans.	667		c Canes.	681
chi Ishikawa, Kagawa. Fans.	667	1882.	Daisuke Nagata, Hyogo. Bamboo canes.	681
chi Kubota, Osaka. Fans.	667	1883.	Ganzo Nakamura, Nagoya. Um- brella handles.	682
hiji Watatani, Ishikawa. Em- broid.	665	1884.	Genshiro Shimizu and six others, Gifu. Canes.	681
himatsu Matsuura, Kanagawa. ery work.	665	1885.	Genzo Iwamoto, Hyogo. Bamboo canes.	681
inosuke Kimura, Kyoto. Fans.	667	1886.	Gunshyodo, Hiroshima. Canes and handles of umbrellas.	681
ro Mizuto, Ishikawa. Em- broid.	667	1887.	Hakata Association, Fukuoka. Ha- kata silk bags.	680
o Watanabe, Tokyo. Embroid- ery.	669	1888.	Hampe Koshino, Kanazawa. Lac- quered cigarette case.	680
bei Ono, Kyoto.	664	1889.	Himeji Trading Company, Hyogo. Leather and imitation leather works.	680
nbroideries.	665	1890.	Hiroshima Parasol Company, Hi- roshima. Parasols.	682
ns.	667	1891.	Hyoemon Nagakura, Shizuoka. Satchel made with sago palm.	678
bei Watanabe, Kyoto. Fans.	667			

## Traveling Equipments, Rubber Goods, Toys and Fancy Articles.

Exhibit No.	Class'n No.	
1892.		Ichibei Kawagishi, Kumamoto. Dress suit case. 678
1893.		Ichimatsu Oda, Osaka. Valises. 678
1894.		Ichizaemon Matsumoto, Tokyo. Excursion lunch set. 676
1895.		Iemon Tanimura, Tokyo. Match boxes. 680
1896.		Jennosuke Fukumoto, Kanagawa. Purses. 678
1897.		Jinemon Wada, Osaka. Umbrellas. 682
1898.		Jinzaburo Goto, Kumamoto. Japanese umbrella. 682
1899.		Kanzaemon Watanaba, Kanagawa. Canes. 681
1900.		Kichibei Nakamura, Tokyo. Purses. 678
1901.		Kichibei Yoshida, Hyogo. Bamboo canes. 681
1902.		Kijyuro Kitamura, Osaka. Canes. 681
1903.		Kimpei Harishige, Tokyo. Feather fabric. 678
1904.		Kisaburo Matsumoto and nine others, Hiroshima. a Lunch basket. 676 b Satchels, etc. 678 c Collar, cuff and cigar cases. 680 d Canes. 681
1905.		Kisaburo Nishio, Tokyo. Smoking pipe. 680
1906.		Kumagoro Taniguchi, Tokyo. Leather work. 680
1907.		Matsuzo Ichimasa, Osaka. Mirrors. 678
1908.		Minoru Kishida, Hyogo. Handbags. 678
1909.		Mitsuzo Hirai, Hiroshima. Canes. 681
1910.		Mondo Tanaka, Osaka. Carved wood works. 682
1911.		Mosuke Kuroda, Nagoya. Boxes of lacquered papier-maché. 680
1912.		Motaro Awamura, Osaka. Cigar cases. 682
1913.		Naojiro Tsehigawara, Gifu. Parasols. 682
1914.		Naosaburo Mitani, Tokyo. Smoking pipes. 680
1915.		Parasol Manufacturers' Association, Kagawa. Parasols. 682
1916.		Sadajiro Hosomi, Osaka. Bags. 680
1917.		Seizo Yamamoto, Tokyo. Imitation leather works. 680
1918.		Senroku Ikeda, Saga. Tobacco pouch and pipe. 680
1919.		Setsu Endo, Gifu. Parasols. 682

Exhibit No.	Class'n No.	
1920.		Shichihei Oita, Osaka. Cane heads. 681
1921.		Takijiro Katsutani, Tokyo. a Valises. 678 b Fancy leather work. 680 c Canes. 681
1922.		Taro Shimosuke, Kyoto. Baskets and mattings. 678
1923.		Tomozo Watanabe, Tokyo. Cigar cases. 680
1924.		Torakiyo Sato, Tokyo. Parasols. 682
1925.		Toyohachi Yasuda, Gifu. Parasols. 682
1926.		Toyosaburo Yoshioka, Tottori. Parasols. 682
1927.		Toyotaro Kusakari, Tokyo. Match boxes. 680
1928.		Tsunejiro Kokagi, Nara. Canes. 681
1929.		Usaburo Okamiya, Tokyo. Umbrellas and parasols. 682
1930.		Yamaga Parasol Manufacturing Company, Kumamoto. Parasols. 682
1931.		Yasubei Yamamoto, Shizuoka. Canes. 682

## GROUP 109.

1932.	Lacquer Work Company, Tokyo. Lacquered waterproof cloth. 682
1933.	Toru Yano, Osaka. Gutta percha waterproof cloth. 682

## GROUP 110.

1934.	Buemon Iwasa, Tokyo. Dolls. 685
1935.	Eijiro Matsuyama, Shizuoka. Lacquer work. 685
1936.	Genbei Sakata, Osaka. Drums. 685
1937.	Gihei Hono, Toyama. Lacquer ware. 685
1938.	Hachiroji Okuda, Shizuoka. Lacquer work. 685
1939.	Hachisaburo Fujita, Fukushima. Lacquer work. 685
1940.	Hanjirō Shiotani and one other, Toyama. Lacquer work. 685
1941.	Haruji Kanamori, Nagoya. Lacquer ware. 685
1942.	Hatsuzo Shimizu, Kyoto. Dolls. 685
1943.	Heibei Wada, Osaka. Dolls and bags. 685
1944.	Hidekichi Yasui, Hyogo. Bows and arrows. 685
1945.	Hisa Nogi, Osaka. Paper toys. 685
1946.	Hyōemon Nagakura, Shizuoka. Lacquer work. 685
1947.	Ihei Ikedani, Shizuoka. Lacquer work. 685

## Toys and Fancy Articles.

	Class'n No.	Exhibit No.	Class'n No.
naba & Co., Shizuoka.	Lacquer 695	1977. Mosuke Kuroda, Nagoya.	Lacquer 695
amejiro Shima, Toyama.	Lacquer 695	1978. Nihei Yamada, Osaka.	Toys 693
amejiro Shinano, Osaka.	Toys 693	1979. Ninichi Okada, Tokyo.	Fancy arti- cles. 695
amekichi Osaka, Akita.	Lacquer 695	1980. Oho Igarashi, Hyogo.	Picture frames. 695
ano Kitahara, Aichi.	Kites. 693	1981. Rihei Okamoto, Huogo.	Lacquer vase. 695
ansai Trading Company, Kyoto.	693	1982. Rihei Suzuki, Fukushima.	Lacquer work. 695
anzaemon Watanabe, Kanagawa.	bamboo articles. 695	1983. Risaburo Nozawa, Osaka.	Stuffed animals. 693
araku Oga, Osaka.	Toys. 693	1984. Risanji Isogai, Shizuoka.	Lacquer work. 695
cizo Sakata, Osaka.	Picture 695	1985. Risuke Ogura, Osaka.	Picture book. 695
ichiemon Sato, Shizuoka		1986. Seiji Misaki, Kyoto.	Toys and fancy articles. 693
Bamboo baskets.	694	1987. Sekko Koyama, Hyogo.	Screens. 695
Lacquer work.	695	1988. Sennosuke Nakagawa, Shizuoka.	Lacquer pictures. 695
ichitaro Hasegawa, Tokyo.	Toys. 693	1989. Senzo Nakagawa, Shizuoka.	Lac- quer work. 695
chijiro Honho, Toyama.	Lacquer 695	1990. Shigeji Iwamoto, Hyogo.	Hanging pictures. 695
kutarō Nakayama, Toyama.	Lac- quer. 695	1991. Shōbei Echigo, Akita.	Lacquer work. 695
njiro Takagi, Nagoya.	Plaque. 695	1992. Shōjūrō Ishioka, Akita.	Lacquer work. 695
yomatsu Kikuchi, Fukushima.	r work. 695	1993. Shotaro Ohashi, Hyogo.	Screens and hanging pictures. 695
zaemon Takase, Fukushima.	r work. 695	1994. Shozaburo Tsuge, Tokyo.	Bamboo baskets. 695
hei Iwati, Osaka.	Toy carts. 693	1995. Shunji Kikuchi, Fukushima.	Lac- quer work. 695
ho Takatani, Osaka.	Hanging 695	1996. Sobei Wakano, Osaka.	Paper toys. 693
zo Kajida, Osaka.	Plaques (of 695	1997. Sotaro Suzuki, Kanazawa.	Pict- ures. 695
okichi Honho, Toyama.	Lacquer 695	1998. Tadasaburo Hattori, Nagoya.	Lac- quer Cloisonne flower vase. 695
ubei Araki, Fukui.	Lacquer 695	1999. Taheiji Tatsuo, Toyama.	Lacquer ware. 695
seimon Yazawa, Shizuoka.		2000. Takijiro Kutsutani, Tokyo.	Toys. 693
bamboo work.	694	2001. Tamekichi Ito, Tokyo.	Bamboo articles. 695
bird cage.	695	2002. Tatsunosuke Akamatsu, Osaka.	Plaques (of pictures). 695
jiro Tamai, Nara.	Lacquer 695	2003. Tatsunosuke Yoshida, Nara.	Lac- quer ware. 695
isuke Suzuki, Fukushima.	Lac- k. 695	2004. Tatsuzō Kondo, Fukushima.	Lac- quer work. 695
quer Work Company, Aomori.	work. 695	2005. Tazō Morita, Nara.	Lacquer ware. 695
gobei Sakuda, Osaka.	Toys. 693	2006. Tazo Yasuda, Hyogo.	Hanging pictures and screens. 695
ji Hattori, Tokyo.			
olls.	693		
ower baskets.	695		
ashichi Nakai, Hyogo.	Bamboo 695		
oru Kishida, Hyogo.	Hanging 695		

**Toys and Fancy Articles, Leather, Scales, Weapons, Lighting Appliances.**

[illegible]

Lighting, Heating, Hollow Metal Ware, Vaults, Safes, Hardware and Cutlery.

	Class'n No.	Exhibit No.	Class'n No.
oshimichi Miyazaki, Gifu. Lamps.	720	2074. Hambei Nakamura, Osaka. Tea pots.	732
oyotaro Kusakari, Tokyo. Candles.	721	2075. Hankichi Suzuki, Iwate. Iron pots.	732
oshichi Izumi, Gifu. Lanterns.	720	2076. Harujiro Arisaka, Iwate. Iron pots.	732
<b>GROUP 115.</b>		2077. Heigoro Shimazaki, Saitama. Iron kettles.	732
ozo Yoshikawa, Osaka. Duster.	730	2078. Kamejiro Uta, Tokyo. Hollow ware of iron.	732
umatsu Okumura, Tottari. Lac-cigar tray.	730	2079. Manji Takahashi, Iwate. Iron pots.	732
namasu & Co., Shizuoka. Papier-ray.	730	2080. Nizaemon Koizumi, Iwate. Iron pots.	732
njiro Machida, Ibaraki. Cake	730	2081. Shinshichi Yoshida, Osaka. Tea pots.	732
shimatsu Sugimoto. Osaka. brooms and screens.	730	2082. Tomiemon Arisaka, Iwate. Iron pots.	732
aburō Natsumoto, and nine others. na. Dishes, trays, flower vases,	730	2083. Tokunosuke Suzuki, Iwate. Iron pots.	732
emon Yazawa, Shizuoka. Tray (r).	730	2084. Yasuke Sano, Osaka. Kettles.	732
chi Ozawa, Shizuoka. Bamboo tray.	730	<b>GROUP 119.</b>	
amon Ito, Osaka. Pocket etc.	727	2085. Kaneyoshi Sakai Osaka. Knives and scissors.	751
yokichi Katada, Shizuoka. tray.	730	2086. Koryo Harimoto, Osaka. Safes.	752
aburō Minatomoto, Wakayama. plates.	730	2087. Mike Trading Company, Hyogo. Shears and hair tweezers.	751
<b>GROUP 116.</b>		2088. Shinshichi Yoshida, Osaka. Edge tools.	749
iro Miya, Iwate. Iron pots.	732	2089. Tetsukichi Senga, Osaka. Razors.	751

## KOREA.

LOCATION—SEC. B, BLOCK 3.

## Collective Exhibit.

## Collective Exhibit by the Korean Government.

## DEPARTMENT A.

## GROUP 1.

Exhibit No.	Class'n No.
1. Wheat, corn, rice, millet and rape seed.	1-11

## GROUP 3.

2. Jar of white honey.	26
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## GROUP 5.

3. Peas and beans.	32
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## GROUP 8.

4. <i>a</i> Box of red pepper.	47
<i>b</i> tobacco leaves.	
<i>c</i> Samples of tobacco.	
	51

## GROUP 9.

5. Hemp yarn.	59
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## GROUP 17.

5a. Tiger bones and deer horns.	90
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## GROUP 18.

6. <i>a</i> jar of salad oil.	95
<i>b</i> Wax candles.	97

## DEPARTMENT B.

## GROUP 20.

8. Jar "Sachin" wine.	127
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## GROUP 21.

<i>a</i> Chestnuts, white nuts, walnuts, pine nuts and hard walnuts.	137
<i>b</i> Dried prunes, dates and chestnuts.	139

## GROUP 22.

10. Large vases of fruit.	169
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## GROUP 23.

11. Box of garlic.	175
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## GROUP 24.

12. Lettuce seeds.	179
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## DEPARTMENT D.

## GROUP 37.

Exhibit No.	Class'n No.
13. Shrimps, dried.	280

## GROUP 40.

14. Dried fishes.	272
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## DEPARTMENT E.

## GROUP 42.

15. Minerals, crystals, gold and silver.	291
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## GROUP 43.

16. Coal.	290
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## GROUP 44.

17. Ironing stone and ironing sticks, ink-stone, and blue stone.	284
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## GROUP 45.

18. Soapstone; white stone.	297
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## GROUP 48.

19. Sulphur.	317
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## GROUP 49.

20. <i>a</i> Cast-iron.	320
<i>b</i> Steel.	321

## GROUP 51.

21. Copper ore and wire.	340
--------------------------	-----

## GROUP 57.

22. Lead.	360
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## DEPARTMENT G.

## GROUP 83.

23. <i>a</i> Pack frame for man rake, one wheeled chair, Sedan chair.	512
<i>b</i> Saddle, bridle and whip.	525

## DEPARTMENT H.

## GROUP 87.

24. <i>a</i> White alum.	540
<i>b</i> Ginseng, bear gall medicine, ginger etc.	
<i>c</i> Small metal for medicine.	
<i>d</i> Musk.	

## Collective Exhibit.

## GROUP 89.

	Class'n No.
per.	556
iting paper and envelopes.	560
paper.	563
ry tablet.	564

## GROUP 90.

cial chair.	565
ing table.	566
roidered and painted silk pict- and bamboo window shades.	568
id and laquered cabinets, book ink-stone case, brass candle and bamboo box.	572
roidered arm-rest, screen, pil- cushions and design.	573

## GROUP 91.

e rice pot, yellow and green stone tobacco boxes.	575
elain dinner set, rest of three es, jars.	577

## GROUP 92.

dinner set, fire pot, brass wash as vessel, spittoon, ashes tray o pipe, tinkling bell and an- our.	585
--	-----

## GROUP 97.

ne wine pot.	605
spoon and chop sticks.	606
figured iron tobacco box.	607

## GROUP 98.

silver rings, silver hair pin and aded hair pin; jade ornament niforms.	616
---	-----

## GROUP 100.

ed silk yarn.	627
ed silks, quilted silks, colored uze.	629
	630

## GROUP 101.

yarn, fine hemp cloth.	633
and hemp cloth, white grass grass and silk mixture, em- ed mat, bamboo, reed and mats.	635

## GROUP 102.

on, cotton cloth and yarn, cot- er.	638
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## GROUP 103.

l gold official belt and silk	647
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## GROUP 104.

Exhibit No.	Class'n No.
35. a Gentleman's dress.	652
b Official military uniforms, red court dress, dress (8th rank), dress (below 3d rank).	653
c Military official, gilded court and silk hat, official cap, head band and attachments.	654
d Ladies' and gentlemen's boots and shoes, court boots, peasant straw sandals, hemp sandals and men's sabots.	656

## GROUP 105.

36. Lady's palace dress.	663
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## GROUP 106.

37. a Large round fans and opening fans.	667
b Men's silver hair pin.	668

## GROUP 107.

38. Combs.	675
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## GROUP 108.

39. a Embroidered pouch.	677
b Hat boxes.	678
c Fancy box.	680

## GROUP 110.

40. Chess board, chess men, game board. chips for game, kite and roller.	695
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## GROUP 111.

41. Cowhide, leopard, deer, martin, sable, fox, moose, otter and tiger skins.	696
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## GROUP 112.

42. a Ancient matchlock, musket and bul- let.	714
b Ancient iron mortar gun, long brass cannon and bullet, shot, etc.	716
c Sword and spear.	717
d Bow and arrow, quiver and arrows for military uniform.	718

## GROUP 114.

43. Copper lanterns and silk covers.	720
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## GROUP 121.

44. Flags and staffs.	
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## DEPARTMENT L.

## GROUP 154.

45. Coins.	789
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## Collective Exhibit.

GROUP 158.				
Exhibit No.		Class'n No.	Exhibit No.	Class'n No.
46.	<i>a</i> Drums.	927	<i>b</i> Pear wood, walnut wood figured,	
	<i>b</i> Harp, zither and guitar.	928	tannok, wild apricot, and lemon	
	<i>c</i> Violin.	929	tree wood.	101
	<i>d</i> Flute.	931	<i>c</i> Lichen.	105
	<i>e</i> Bugle.	933	<i>d</i> Dried mushrooms, persimmons, etc.	107
<b>DEPARTMENT N.</b>			<i>e</i> Ginseng.	108
47.	<i>a</i> Kasaar oak, red oak, shade tree,		<i>f</i> Colored basket.	111
	chai, soft wood, odong; chestnut,	99	<i>g</i> Bamboo blind.	113
	pine wood.			

## MEXICO.

LOCATION—SECS. A, BLOCK 3 AND C AND D.

Chemicals and Druggists' Supplies, Paints, Dyes and Varnishes, Stationery.

## GROUP 87.

	Class'n No.
a, Pedro, Guadalajara, Jalisco. Pharmaceutical preparations.	547
i, Eutimio, Zapotlanejo, Jalisco. Pharmaceutical preparations.	547
i, F.D., Chihuahua. Matches.	550
o, Vicente, Mexico. Plasters, Pharmaceutical preparations.	547
r, J., Mexico. Soda water.	547
Adolfo, Merida, Yucatan. Soap	549
os, Francisco, Mexico. Pharmaceutical preparations.	547
a, Octaviano B., Villa Reyes. Air.	547
co, Vicente, Otumba, Mexico. Rosin and camellia oils.	547
r Martin, Saltillo, Coahuila. Soap.	549
us, Emilio, Mexico. Pharmaceutical preparations.	547
dez, Dr. Pedro, Tula, Tamaulipas. "Hnos., Victoria, Tamaulipas. Plaster.	547
Nicolas, Acatlan, Puebla. Aloes.	549
Bruno, Ticul, Yucatan. Flow.	549
Salvador D., Mexico. Pharmaceutical preparations.	547
z Estevez, Antonio, Guadalajara. Pharmaceutical preparations.	547
, Mariano, Queretaro. Mag.	547
de Mendoza Aurelio, Mexico. Pharmaceutical preparations.	547
Lamarque, Puebla. Sulphate; sub-carbonate of nitrate of silver; acetic ether, etc. of zinc.	546
aceutical preparations.	547
y Comp., Suc., Julio, Mexico. Toilet soaps, essences, etc.	549
Nava, Miguel, Cuernavaca. Water to remove stains from	549

Exhibit No.	Class'n No.
24. Millan y Cia "cul, Yucatan. Soaps.	549
25. Morales, Teodora, Saltillo, Coahuila. Medicinal wine.	547
26. Montano, Ramon C., Mexico. Pharmaceutical preparations.	547
27. Muguerza y Comp., Mexico. Samples of matches.	550
28. Ocampo, Cortes y Hno., Manuel, Guadalajara, Jalisco. Chemical preparations.	547
29. Perez e Hijo, Lazaro, Guadalajara, Jalisco. Chemical preparations.	547
30. Rocha, Francisca and Anaya, Jose F., Guanajuato. Pharmaceutical preparations.	547
31. Spyer, Dr. Joseph, Mexico. Mexican tooth paste.	549
32. Terrazas y Brintingham, Chihuahua. Toilet soaps.	549
33. Uribe, Abel E., Autlan, Jalisco. Chemical preparations.	547
34. Valdivia, Homobono, Union de San Antonio, Jalisco. Specific for wounds.	547
35. Villa Gordo, Jesus, Guadalajara, Jalisco. Tencuanete oil.	547

## GROUP 88.

36. Colima, Government of. Indigo.	552
37. Fernandez, Dr. Pedro, Tula, Tamaulipas. Huapilla varnish.	552
38. Hurtado, Ignacia, and Eusebio & Sons, Mexico. White lead and white zinc.	552
39. Llaca, Aurelio, Queretaro. White lead.	552
40. Medina, Hnos., L., Hacienda La Concepcion, Jalisco. Anil.	552
41. Mora, Ramon de la, Guadalajara. Indigo.	552
42. Oaxaca, Government of. Indigo and cochineal.	552
43. Perez, M. Rafael, Progreso, Yucatan. Blue paint.	552

## GROUP 89.

44. Asylum for Girls, Zacatecas. Collection of account books.	561
45. Anaya Melquiades, Guadalajara, Jalisco. Blank books.	561

## Typewriters and Stationery, Furniture and Decorations, Ceramics and Mosaics.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
46	554	69	56
Harron, Florencio, Tamazunchale, San Luis Potosi. Manufactured chalk.		Unna & Co., J. San Luis Potosi.	
47	556	a Sofa, armchairs, gondola, table screens, photographs, etc.	56
Hendfield, Juan M., Mexico.	557	b Cornices, curtains and ornaments pieces.	56
c Paper and paper stock.	560		
d Candles and cards, etc.			
e Writing papers, etc.			
48	560		
Compañia Geografica Exploradora, Jalisco. Paper for topography.			
49	560		
Marila, Encarnacion, Manager of the Compañia Marila, Charera de Paper, Jalisco.			
50	560		
Marila, Encarnacion, Manager of the Compañia Marila, Charera de Paper, Jalisco.			
51	560		
Marila, Encarnacion, Manager of the Compañia Marila, Charera de Paper, Jalisco.			
52	560		
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Marila, Encarnacion, Manager of the Compañia Marila, Charera de Paper, Jalisco.			
100	560		
Marila, Encarnacion, Manager of the Compañia Marila, Charera de Paper, Jalisco.			

osaics, Marble, Enamels, Glass, Carvings, Plate, Jewelry, Silk, Fibres.

	Class'n No.
redra, General Gregorio, Guadala-	
isco. Ceramic goods.	574
chez Cortes, Guadalupe, Saltillo,	
Plastic tubes of clay.	575
Juan del Rio, Prefect of. San	
Rio. Bricks.	574
l, Marcos, San Pedro, Tlaque-	
halisco. Clay figure likenesses.	574
ca, Government of, Mexico. Pot-	
ls.	575
co & Son, Guadalajara, Jalisco.	
goods.	574
cio, Celso, Lerma, Mexico.	
	574
ba, Refugio, Tulancingo, Hi-	
lay flower pot.	574
ra, David, Saltillo, Coahuila.	
or construction and pavements.	574

#### GROUP 92.

a, Government of.	
bles and marble engraving.	582
x slabs.	583
, Doctor, Mexico. Ornamental	
onyx.	582
z, Tiallo Carlos, San Luis Po-	
eral implements.	584

#### GROUP 93.

ion Artistica Mexicana, Mex-	
ics of art.	585
lente, T., Mexico. Bronze	
bronze statue.	585

#### GROUP 94.

ngues" Factory, Texcoco,	
glass.	589
n glass.	590
antabra" Factory, Texcoco,	
glass.	589
nal glass in glass.	590
State Scientific and Literary	
oluca. Glass pieces.	593

#### GROUP 96.

o, Ignacio, Mexico. Wooden	
	598
, Eduardo, Mexico. Carved	
	598
, Jose (hijo), Mexico. Carved	
	598
Felipe de J., Cuernavaca.	
t stand.	598
Vicente, Teocaltiche, Jalis-	
co. Chess board and pieces.	598

Exhibit No.	Class'n No.
114. Gonzalez, Carillo, Teocaltiche, Jalis-	
co. Chess board and set of pieces.	598
115. Iturbe, Jesus, Mexico. Carved cane.	
	598
116. Mexico State Industrial School, To-	
luca. Ornamented wooden instrument	
case.	598
117. Michoacan, Government of, Morelia.	
Carved cane.	598
118. San Luis Potosi Industrial Military	
School. Chimney cover of carved wood.	598

#### GROUP 97.

119. Chilpancingo, Local Board, Guerrero.	
Silver coat of arms.	604
120. Rodriguez, Matias, Durango.	
a Silver vase and plate.	604
b Silver ornaments for costume.	607

#### GROUP 98.

121. Rodriguez, Matias, Durango. Gold	
ring and staple.	612
122. Sinaloa, Government of, Culiacan.	
Gold sleeve buttons.	612

#### GROUP 100.

123. Cardenas, Delfina, San Luis Potosi.	
Silk rebozos.	630
124. Hernandez, Miguel, Guadalajara,	
Jalisco. Galloon work, fringes and cording.	632
125. Jaspeado, Ruperto, Texcoco, Mexico.	
a Skein of silk.	626
b Silk rebozos.	630
126. Lozano, Antonio, San Luis Potosi.	
Silk rebozos.	630
127. Martinez, Tenorio Luisa, San Luis	
Potosi. Silk rebozos.	630
127a. National School of Agriculture, City	
of Mexico. Samples of silk.	627
128. Puebla, Government of.	
a Silk bands.	630
b Tassels, silken twist loops and	
galloons.	632
129. Rocha, Juana, San Luis Potosi.	
Silk rebozos.	630
130. Rodriguez, Carmen Maria, San Luis	
Potosi. Silk rebozos.	630
131. Rosas, Mercedes, Zapotlan, Jalisco.	
Raw silk.	625
132. Velasco, Ramona, Ocotlan, Jalisco.	
Raw silk.	625

#### GROUP 101.

133. Arceo, Pedro, Sotuta, Yucatan.	
Hammocks.	634
134. Arcigüe, Petronilo, Mococha, Yuca-	
tan. Bag.	634

## Fibres.

Exhibit No.	Class'n No.	Exhibit No.
135. Barrera, M., Merida, Yucatan. Henequen thread.	634	159. Jalisco, Political Authority, Jalisco. Cords and ropes.
136. Barron, F. de, Campeche. Hemp cords.	634	160. Manzanilla, Agapito, Sotuta, Yucatan. Horse-food bag.
137. Cabrera, Octaviano B., Villa Reyes, San Luis Potosi. Carpet of agave thread.	635	161. Manzano, Florentino, Valladolid. Horse-food bag.
138. Cadereyta, Prefect of, Queretaro. Slip-knot rope, sacks, saddle blankets, horse cloths, skein of cords, agave thread cloth, etc.	634	162. Medina, A., Valladolid, Yucatan. Hammock.
139. Camal, F., Bokoba, Yucatan. Horse-food bag.	634	163. Medina, J., Tixkokob, Yucatan. Hammock.
140. Chan, Encarnacion, Mococho, Yucatan. Bag.	634	164. Mena, Jacinto, Valladolid, Yucatan. Hammocks.
141. Che, Basilio, Valladolid, Yucatan. Horse-food bag.	634	165. Mexico, State Government, Tula. a Ixtle cloth, ropes, etc.
142. Cian, Prudencio, Valladolid, Yucatan. Horse-food bag.	634	b Mats, "coco" mattresses, bags, sacks, game bags.
143. Chiapas, State Government, Tuxtla. Palm bag.	634	166. Montalvo, Florentino, Peto, Yucatan. Head-stall.
144. Cua, Antonio, Cacalchen, Yucatan. Henequen thread.	634	167. Morelos, State Government, Cuernavaca. Ropes, brooms, sacks, etc.
144a. Ferraes, Mateo, Huhi, Yucatan. Rope.	634	168. Oaxaca, State Government. a "Capisillos" and water proof baskets, etc.
145. Flores, Pedro M., Huhi, Yucatan. Mecapal.	634	b Slip-knot ropes, ixtle hammocks, etc.
146. Fray, Eulalio L. de., Valladolid, Yucatan. Hammock.	634	169. Ortiz, Antonio, Oemul, Yucatan. Henequen thread.
147. Fus, Apolonio, Valladolid, Yucatan. Horse-food bag.	634	170. Oul, Luis B., Huhi, Yucatan. Reins.
148. Camal, Jose C., Valladolid, Yucatan. Horse-food bag.	634	171. Perez, Nazaria, Actopan, Hidalgo. Cloth of agave thread.
149. Canche, Eufrazio, Baca, Yucatan. Horse-food bag.	634	172. Tula, Prefect of, Tezontepec. Agave thread cloths.
150. Chan, Guadalupe, Mococho, Yucatan. Bag.	634	173. Pompeyo, Susano, Bokoba, Yucatan. Bags.
151. Cuernavaca, State Government, Morelos. Sewing basket.	634	174. Puebla, State Government. a Slip-knot ropes, ixtle bands, brooms, etc.
152. Diego, Bernardo, Miahuatlan, Puebla. Slip-knot ropes.	634	b Baskets, ixtle and coco mattresses, palm bands for hats, brooms, and fire fans, etc.
153. Escalon, Pablo, Ramos Arizpe, Coahuila. Ixtle ropes.	634	175. Rendon, Esteban, Pachuca, Hidalgo. Palm bag.
154. Garduno, Felipe, Mexico. Ixtle bags.	634	176. Rodriguez, B. B., Merida, Yucatan. Saddle fixtures.
155. Gonzalez, Juan, Ramos Arizpe. Ixtle bags.	634	177. Rodriguez, Cayetano, Merida, Yucatan. Henequen thread.
156. Guerrero, State Auxiliary Board, Chilpancingo. a Ropes, brooms, ixtle hammock, lassoes, etc.	634	178. Rodriguez, Pedro, Unucma, Yucatan. Small baskets.
b Traveling bags, mats, baskets, etc.	635	179. Ruz, Justo, Huhi, Yucatan, Alitran. Native fabrics.
157. Hermosillo, State Government. Palm mat.	634	180. Santana, Silvestre, Huhi, Yucatan. Lassoe.
158. Ixmiquilpan, Prefect of, Hidalgo. Ixtle ropes, cloth, sacks, agave fibre mats and covers for carpets.	634	181. San Juan del Rio, Prefect of, Queretaro. Slip-knot ropes.
		182. Santos, Dionisio, Sotuta, Yucatan. Saddle bag.

## Fibres, Yarns and Woven Goods of Cotton, Linen, Etc.

Class'n No.	Exhibit No.	Class'n No.
er, Apolonio, Director of the Peni- Saltillo. Ixtle sacks, bags and 634	208. Gutierrez, Ignacio, Guadalajara, Jalisco. Cotton bed spreads. 638	
iman, Prefect of, Queretaro. and fine sacks. 634	209. Hernandez, Soberon Matias, San Luis Potosi. Linen goods. 639	
sloaheros, Jose Ma., Acajete, Palm mattress. 635	210. Jalapa, Government of. Cotton goods. 638	
<b>GROUP 102.</b>	211. Jaramilla, Margarito, Puebla. a Plush towel. 638 b Table cloth. 639	
irre, Juan A., & Co., Tepic. Cot- ic. 638	212. "La Coimena" Mill, Tlanepantla, Mexico. Cotton fabrics. 638	
use, Eugenio, Saltillo, Coahuila. abric samples from "El Labra- l. 638	213. Legorreta & Garay, Juan, Toluca, Mexico. Cotton threads. 638	
on, Forbes, & Co. Tepic. Cot- cs. 638	214. Lozano, Antonio, San Luis Potosi. Cotton woven goods. 638	
rejillo & Co., Mexico. Cotton 638	215. Lopez Valdez & Pichardo (La In- dustria Nacional), Toluca, Mexico. Yarn and cotton fabrics. 638	
an, Agustin, Jalapa, Veracruz. brics. 638	216. Macias, Nicolas, Guadalajara, Jalisco. Cotton woven goods. 638	
ania Agricola e Industrial de rtes, Chihuahua. Cotton fabric nvas and yarn. 638	217. Madero & Co., Parras, Coahuila. Cotton goods. 638	
ania Industrial de Orizaba, Percalc, creton and "Cambay" rns, etc. 638	218. Manuel, Emilio Lucas, Jalapa, Vera- cruz. Cotton fabrics. 638	
ania Industrial Manufacturera, Cotton fabric, cretons, percales, 638	219. Maciel, Dionisio, Queretaro. a Cotton goods of various kinds. 638 b "Coties" (linen goods) and silver thread. 639	
ania Manufacturera del Tunal, Cotton goods and yarns. 638	220. Martinez Conde, Manuel, Cuauhte- moc, Tlaxcala. a Cotton fabrics. 638 b Coti (linen goods). 639	
sco, Rodriguez, Manager Com- ustrial Saltillera, Saltillo, Coa- tton cloth, canvas, "twills," per- 638	221. Mena, Jacinto, Valladolid. Cotton quilt. 638	
Vega, Ramon, Colima. Text- and cotton yarns. 638	222. Mexico State Scientific & Literary Institute, Toluca. a Canvas goods. 638 b Hollands. 639	
don e Hijos, G., Orizaba, Vera- cion fabrics. 638	223. Montero, Ignacio, Celaya, Guanaju- ato. Cotton woven goods. 638	
a de Carlos, Zapeda, Tenan- xico. Cotton fabrics. 638	224. Mowatt & Grandison, Ixtlan de Ju- arez, Oaxaca. Cotton goods. 638	
andez del Valle Hnos., Jalisco, rics, yarns, etc. 638	225. Muriedas, Felipe, San Luis Potosi. Carpets. 638	
r, Adolfo, Colima. Textures yarns. 638	226. Noriega & Hermano, Remigio, Mex- ico. Percalc goods, cotton fabrics and yarn. 638	
, Juan F., Durango. Yarn and ics. 638	227. Oaxaca, State Government of. Cot- ton blankets. 638	
, Miguel, Matamoros, Puebla. 638	228. Palaez, Pedro, Mexico. Cotton fabrics. 638	
, Bernardino, Queretaro. and "Canton" goods. 638	229. Prats & Jordan, Jimenez, Chihuahua. Yarn and silk rebozos, samples of cotton, cotton goods, etc. 638	
Farias, Benito, Jalapa, Vera- cion fabrics. 638	230. Prince, Torres & Co., Torreon. Cot- ton fabrics. 638	
, Pedro, Guadalajara, Jalisco. en goods. 638	231. Puebla, State Government of. a Cotton fabrics, rebozos. 638 b Napkins, coti, etc. 639	
ez, Eusebio, Celaya, Guanaju- atos and cotton fabrics. 638		
o, State Auxiliary Board, go. Indigenous cotton goods. 638		

## Yarns and Woven Goods of Cotton, Linen, Etc., Felted and Woollen Goods.

Exhibit No.	Class No.	Exhibit No.	Class No.
232. Ramos Arizpe, Francisco, Saltillo, Coahuila. Cotton fabrics.	638	256. Gonzalez, Eusebio, Celaya, Guanajuato.	
233. Redo & Co., Culiacan, Sinaloa. Cotton goods.	638	a Casimir and baize.	641
234. Rivera, Nemesio, Queretaro. Yarn for weaving.	638	b "Porchos," wraps.	642
234a. Rivers, Valentin, Fabrica La Providencia, Monterrey, Nuevo Leon. Linen and cotton goods.	638	c Carpet.	643
235. Rosas, Francisco, Matamoros, Puebla. Rebozo.	638	257. Guerrero, State Auxiliary Board, Chilpancingo.	
236. Salamanca, Penitentiary of, Guanajuato. Rebozo.	638	a Sarapes and blanket.	642
237. Samano, Juan, Queretaro.		b Rebozos.	643
a "Cambay" goods.	638	258. Hernandez, Camilo, Alvarez, Guerrero. Woollen blankets.	642
b "Coties" (linen goods) and silver thread.	639	259. Hildebrand, Julio, Durango.	
238. Servin de la Mora, Julio, Queretaro.		a Casimirs and baize.	641
a "Cambay" goods.	638	b Blankets.	642
b "Coties" (linen goods), etc.	639	260. Ketelsen & Degetau, Jimenez, Chihuahua.	
239. Silva, Nicolas, Matamoros, Puebla. Yarn rebozo.		a Casimirs.	641
240. Suarez, Manuela, Valladolid. Rebozos.	638	b Quilts.	642
241. Trapaga & Co., Hijos de, Oaxaca. Cotton fabrics and yarns.	638	c Carpet.	643
242. Toudora, Julio, Chihuahua. Cotton goods, yarns, etc.	638	261. Lima, Antonio, Santa Ana Chiantopan, Tlaxcala. Woollen bed covers.	642
243. Valle, Davila, Desiderio, Saltillo, Coahuila. Cotton fabrics.	638	262. Lima, Miguel, Santa Ana Chiantopan, Tlaxcala. Casimirs and flannels.	641
244. Vargas, David, Tulancingo, Hidalgo. Table cloths.	639	263. Llata, Carlos, Texcoco, Mexico. Quilt.	642
245. Zamora, David, Ramos Arizpe, Coahuila. Cotton fabric.	638	264. Manrique de Lara, Fernando, Potosi, del Carmen, San Luis Potosi. "Jorongos."	642
246. Zorrilla, Jose, Oaxaca. Cotton fabrics.	638	265. Martin & Co., J. Tulancingo, Hidalgo. Cloth and casimirs.	641
GROUP 108.		266. Mazuri de Gomez Librada, Temascaltepec, Mexico. Rebozos.	642
247. Altamirano, J., Texcoco, Mexico.		267. Medina, Garduno Manuel, Toluca, Mexico.	
a Casimirs.	641	a Casimirs.	641
b "Sarape."	642	b "Ponchos," sarapes and quilts.	642
248. Barragan, Sebastian, Santa Ana, Chiantopan. Wraps.	642	268. Mexico State Scientific and Literary Institute, Toluca. Casimirs.	641
249. Cornu, Pedro, Aguascalientes. "Sarapes" and plaid.	642	269. Mexico, Government of, Toluca. Rebozos.	642
250. Duran, Reyes M., Aguascalientes.		270. Molina Silvano, Alvarez, Guerrero. Rebozo.	642
a Woollen yarn goods.	639	271. Oaxaca, State Government.	
b Casimirs.	641	a Woollen bed cover.	642
c "Sarapes" blanket and "poncho."	642	b Woollen hat.	643
251. Fernandez, Jesus, Saltillo, Coahuila. Woollen blanket and "jorongos."	642	272. Palafox, Angel, Saltillo, Coahuila. Woollen and skin hats.	643
252. Flores, Francisco P., Ramos Arizpe, Coahuila. Woollen "jorongos."	642	273. Perez, Victoriano, Cuautitlan, Mexico. Sarape.	642
253. Garcia & Co., Martin, Tulancingo, Hidalgo. "Serape," quilts, shawl and blanket.	642	274. Portilla e Hijos P., Mexican. Broadcloth, casimir, flannel goods and baize.	641
254. Gomez, del Campo J., Chimalhuacan. Mexican quilt.	642	275. Prats & Jordan, Jimenez. Cotton and woollen sarapes.	642
255. Gonzalez, Enrique & Zarate, Ponceciano, Tlaxcala. Sarapes.	642	276. Puebla, Government of.	
		a Woollen yarns.	641
		b Nap of cloth.	641
		c Blankets.	642

## Felted and Woolen Goods, Clothing, Laces, Artificial Flowers, Etc.

Class'n No.	Exhibit No.	Class'n No.
103. Francisca, Ramos, Arizpe, Woolen bags. 641	303. Redo & Co., Culiacan, Sinaloa. Straw hats. 654	
er, Hno. Sucr. Julio, Aguascal- Chalinas, mat, sarapes, plaid and 642	304. Reyes, Antonio, Purisima, Guanajuato. Hats. 654	
man, Prefect of, Queretaro. rebozo. 745	305. Rodriguez, B. B., Merida, Yucatan. Hats. 654	
tecas Asylum for the Poor. oolen yarns. 639	306. Rojas, Hilario, Mexico. Trousers. 652	
oolen goods. 641	307. Salamanca Penitentiary, Guanajuato. Hats. 654	
apes, bed covers and plaids. 642	308. Signoret & Grones, Saltillo, Coahuila. Hats various kinds. 654	
la & Co., B., Mexico. Woolen baize. 641	309. Sonora, State Government, Hermo- sillo. Palm hats. 654	
te Ponciano, Santa Ana Chia- Flaxcala. Woolen cloaks. 642	310. Toliman, Prefect of, Queretaro. Shirt, skirt, silk "quisquemtl" and silk girdle. 659	
	311. Zolly Hermanos Mexico. Hats various kinds. 654	
<b>GROUP 104.</b>		
ar, Pedro, Rio Verde, San Luis Palm hats. 654		
Abraham, Santa Maria del Rio, Potosi. Wheat-straw hats. 654		
no, Margarito, Puebla. Hats nds. 654		
Juan, Campeche. Jipi hats. 654		
as, State Government, Tuxtla. 654		
, Miguel, Ticul, Yucatan. Hats. 654		
n & Manuel, Mexico. Corsets. 653		
, Andres, Nombre de Dios, Straw hats. 654		
ulpan, Hidalgo. Coarse palm alm braided hats. 654		
ez, Modesto, Mexico. Hats nds. 654		
a, Felipe, Merida, Yucatan. 654		
Pilar J., Valladolid, Yucatan. at (charro). 654		
, State Government, Toluca. 654		
s, State Government, Cuernavaca. alm hats. 654		
ia, San Luis Potosi. Straw 654		
, State Government. Palm 654		
Juan, Queretaro. Palm hats. 654		
& Co., Luis, Hermosillo, uit, trousers, and woolen coat. 652		
State Government. Hats 654		
is. 654		
a, Manuel, Purisima, Guana- 654		
	312. Abad, Honorata, Cuernavaca, More- los. Bouquet of wax flowers. 666	
	313. Aceves, Domitila, Guadalajara, Jalisco. Inkstand with embroidered and painted stand. 665	
	314. Acundis, Marciala, San Luis Potosi. A dahlia. 668	
	315. A. de Velarde, Concepcion, Amealco. Embroidered writing cover. 665	
	316. Aguiar, Julia, Guadalajara, Jalisco. Woven coverlet. 665	
	317. Alayon, Virginia, Merida, Yucatan. Crotchet work towel. 665	
	318. Alda, Margarita, Chilpancingo, Guer- rero. Embroidered card case. 665	
	319. Almazan, Consuelo, Cuernavaca, Morelos. Artificial flowers. 666	
	320. Alvarez, Hilario, San Luis Potosi. Night shirt, crochet work. 665	
	321. Alvarez e Isunza, Isabel, Puebla. Chemese a la frivolite. 665	
	322. Alvarez, Luciana Isabel, Zacatecas. Embroidered cushion. 665	
	323. Amador, Lindia, Zacatecas. Coat of arms of linen flowers. 666	
	324. Amante, Maria de Jesus, Morelia, Michoacan. Embroidered silk handker- chief. 665	
	325. Amaro, Concepcion, Queretaro. Em- broidered satin card case. 665	
	326. Ancona, Eugenia, Merida. Crochet work napkin. 665	
	327. Apeztegui, Concepcion, San Luis Potosi. a Embroidered wooden card cases. 665 b Bouquet of poppies. 666	

## Laces, Embroideries, Trimmings, Artificial Flowers, Etc.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
328.		356.	
Arce, Luz N. de Chilpancingo, Guerrero. Embroidered work of various kinds.	665	Campos, Maria, Toluca.	
		a Work basket embroidered.	665
329.		b Hat rack with yarn flowers.	665
Ariza, Elena, Durango. Embroidered slippers.	665	357.	
		Carrillo, Angela, Zacatecas. Embroidered handkerchief.	665
330.		358.	
Arriaga, Dolores, Toluca, Mexico. Embroidered and painted handkerchief case.	665	Carrillo, Manuela, Zacatecas. Embroidered cushion.	665
		359.	
331.		Casanova, Matilde, Merida. Satin perfume box.	665
Arriaga, Maria de, Jesus, Toluca, Mexico. Embroidered silk muffler.	665		
332.		360.	
Arzapalo, Manuela, Culiacan, Sinaloa. Embroidered plush case.	665	Castellanos, Romana, Culiacan, Sinaloa. Embroidered handkerchief.	665
		361.	
333.		Castro, Josefa, Culiacan, Sinaloa. Embroidered silk work.	665
Asilo de, Ninas de Guadalupe, Zacatecas. Net work cushion case.	665		
334.		362.	
Barcena, Balbina, Durango. Girl's woven band.	665	Castro, Luz, Durango. Embroidered handkerchief.	665
		363.	
335.		Castro, Maria, Trinidad, Queretaro. Embroidered plush box and handkerchief.	665
Barrios, Dolores C., Toluca, Mexico. Ladies' chemise.	665		
336.		364.	
Bastarrochea, Soledad, Merida. Wrapper.	665	C. de Chaparro, Concepcion, Queretaro. Embroidered silk handkerchief.	665
337.		365.	
Basurto, Maria de J., Zacatecas. Bouquet of linen flowers.	666	C. de Gallegos, Angela, Toluca, Mexico. Woven collar and embroidered pillow case.	665
338.		366.	
Bautista, Maria, Queretaro. Embroidered handkerchiefs.	664	C. de Villagran, Concepcion, Queretaro. Plush and woven towels.	665
339.		367.	
Becerril, Concepcion, Queretaro. Embroidered watch case.	665	Cesar, Matilde, Toluca, Mexico. Embroidered frame in satin.	665
340.		368.	
Becerril, Eladio Valle. de Bravos, Mexico. Card holders with artificial flowers.	666	Charles, Adela, Ciudad Victoria. Crochet work napkin.	665
341.		369.	
Beltran, Aurora, Jalapa. Embroidered cushion.	665	Chavarri, Trinidad, Monterrey, Nuevo Leon. Embroidered handkerchief.	665
342.		370.	
Beltran, Carmen, Chihuahua. Embroidered open work apron.	665	Chavez, Laura, Durango. Embroidered plush card case.	665
343.		371.	
Beltran, Francisca, Culiacan, Sinaloa. Aloes.	666	Chavez, Luz, San Luis Potosi. Embroidered handkerchief.	665
344.		372.	
Beltran, Otilia, Jalapa. Embroidered cushion.	665	Chavez, Luz, San Luis Potosi, Rio sales de Castilla.	665
345.		373.	
Berrones, Guadalupe, San Luis Potosi. Embroidered handkerchief.	665	Chavez, Joaquina, Zacatecas. Embroidered handkerchief.	665
346.		374.	
Bishop of Tamaulipas, Ciudad Victoria. Embroideries, etc.	665	Chiapas, State Government, Tuxtla. Worsted yarn mat, table cover, crocheted work, embroideries, etc.	665
347.		375.	
Bocardo, Juana, San Luis Potosi. Embroidered handkerchiefs.	665	Chihuahua, State Government. Basket with paper flowers.	665
348.		376.	
Bonilla, Amelia, Zacatecas. Watch case of corn leaves, with linen flowers.	666	Colores, Teofila, Zacatecas. Embroidered cap.	665
349.		377.	
Bonilla, Eustolia, Puebla. Embroidered silk handkerchief.	665	Commercial Museum, Guadalajara, Jalisco. Woven coverlet.	665
350.		378.	
Bonilla, Federica, Puebla. Wreath of flowers.	666	Cuevas, Matilde, Ciudad Victoria. Embroideries.	665
351.		379.	
Bravo, Maria de Jesus, Morelia, Michoacan. Artificial flowers.	666	Cuevas, Rita, Culiacan, Sinaloa. Embroidered plush picture case.	665
352.		380.	
Briones, Victoria, San Luis Potosi. Embroidered wooden mantel pieces.	665	De la Torre, Herlinda, Zacatecas. Card case decorated.	665
353.		381.	
Cabral, Eustolia, Zacatecas. Embroidered handkerchief.	665	Devincenti, Matilde, Queretaro. Embroidered cushion.	665
354.		382.	
Cabrales, Florencia, Saltillo, Coahuila. woven towel.	665	Diaz, Concepcion, Morelia, Michoacan. Embroidered silk handkerchief.	665
355.			
Callejo, Cristina, Toluca, Mexico. Pillow case.	665		

## Laces, Embroideries, Trimmings, Artificial Flowers, Etc.

	Class'n No.	Exhibit No.	Class'n No.
z, Consuelo, Merida. Crochet		409. Farias, Maria de Jesus, Saltillo.	
own. 665		Frame with wax flowers. 666	
z de Rosenzweig, Eudoxia, Tolu-		410. F. de Sanchez, Concepcion, Amecalco,	
co. Shell flowers and yarn flow-		Queretaro. Decorated table cloth. 665	
666		411. Felix, Angela, Hermosillo, Sonora.	
z, Eulalia, Merida. Crochet rug.		Embroidered flower holder. 665	
665		412. Fernandez, Belmonte, Soledad, Mor-	
z, Felipa and Rodriguez, Julia,		elia, Michoacan. Embroidered silk hand-	
us. Embroidered cushion. 665		kerchief. 665	
z, Gonzalez, Concepcion, Toluca.		413. Fernandez de Suprant, Leonor, Ciu-	
with paste and straw flowers. 666		dad Victoria, Tamaulipas. Napkin. 665	
z, Lucrecia, Merida. Open work		414. Fernandez de Ulibarri, Guadalupe,	
665		Ciudad Victoria. Crochet work and em-	
inguez, Soledad, Puebla. Knit-		broidery. 665	
teau cover. 665		415. Fernandez, Luz, Cuernavaca, More-	
me, Dolores, Culiacan, Sinaloa.		los. Bureau rug, net embroidered. 665	
Embroidered handkerchief. 665		416. Fernandez, Melendez Luz, Puebla.	
do, Maximiana, Zacatecas.		Feather flowers. 666	
ered handkerchief. 665		417. Flores, Maria M., Zacatecas. Em-	
te, Isabel, Merida. Crochet		broidered paper lamp shade. 665	
665		418. Galindo, Luisa, Monterrey, Nuevo	
n, Manuela, Toluca, Mexico.		Leon. Embroidered handkerchief. 665	
arn bureau rug. 665		419. Galindo, Simona, Monterrey, Nuevo	
ago, Ladies' Board. Woven		Leon. Embroidered and open work	
rib and collar and cuffs, crochet		breast plate. 665	
665		420. Galvan, Concepcion, San Luis Potosi.	
ago, State Government. Em-		a Lace-border roll. 664	
agle in a frame. 665		b Crochet work. 665	
zo, Manuela, Hermosillo, So-		421. Garcia Abad, Eugenia, Cuernavaca,	
ndkerchief case, plush covered. 665		Morelos. Astronomical flower pot. 666	
e, Guadalupe, Merida. Crown		422. Garcia, Domitila, Nieva Dolores y	
ed in glass beads. 665		Viejo Benito, Jalapa. Embroidered	
la, Aurelia, Chilpancingo, Guer-		cotton cushion. 665	
ow cases woven in yarn. 665		423. Garcia, Herminia, Hermosillo, So-	
la, Dolores, San Luis Potosi.		nora. Embroideries. 665	
lowers, "Chile" bouquets. 666		424. Garza, Maria, Ciudad Victoria, Ta-	
la, Carlota, Zacatecas. Em-		maulipas.	
landscape work. 665		a Towel woven in cotton. 665	
la, Gonzala, Chilpancingo,		b Linen flowers. 666	
Bureau cover woven in yarn. 665		425. G. de Cosio, Maria, Queretaro. Em-	
la, Leocadia, Chilpancingo,		broidered handkerchief. 665	
Woven pillow cases. 665		426. G. de Fuentes, Magdalena, Tepic.	
la, Refugio, Zacatecas. Em-		Crochet work bed spread. 665	
card case and decorated frame. 665		427. Garcia, Nicolasa, San Juan del Rio,	
aga, Remedios, Durango. Em-		Durango. Basket with flowers. 666	
bandkerchief. 665		428. G. de Galindo, Librada, Monterrey,	
la, Soledad, Culiacan, Sinaloa.		Nuevo Leon. Plush cushion pillow cases,	
corn leaves with artificial		yarn embroidered. 665	
666		429. G. de Garcia, Ana, San Luis Potosi.	
a, Ursula, Chilpancingo, Guer-		Embroidered bureau towels. 665	
666		430. Gomez, Llanos Reynalda, Culiacan,	
w case woven in yarn. 665		Sinaloa. Embroidered satin pin cushion.	
her flowers. 666		665	
ia, Concepcion, Queretaro.		431. Gomez, Manuela, Puebla. Woven	
chemise. 665		napkin. 665	
o, Saturnina, Merida. Woven		432. Gonzalez, Celsa, Toluca, Mexico.	
665		Embroidered silk bouquet. 665	
		433. Gonzalez, Guadalupe, Ciudad Victo-	
		ria, Tamaulipas. Towel. 66	

## Laces, Embroideries, Trimmings, Artificial Flowers, Etc.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
434. Gonzalez, Rafaela, Culiacan, Sinaloa. Embroidered open work muffler.	665	460. Leon, Mercedes, Merida. Crocheted slipper case.	665
435. Gonzalez, Refugio, Zacatecas. Embroidered perfume case.	665	461. Llanes, Elisa, Culiacan, Sinaloa. Embroidered cushions.	665
436. Gonzalez, Teresa, Zacatecas. Basket of silk flowers.	666	462. Llanos, Francisca, Tepic. Embroidered satin lamp shade.	665
437. Gonzalez, Vicenta, Tlaxcala. Bouquet of flowers.	666	463. Lopez Portillo, Amalia, Guadalajara, Jalisco. Satin fan with handkerchief handle.	665
438. Guadalupe Girls' Asylum, Zacatecas. Ladies' necktie, English lace.	664	464. Lopez, Rita, Oaxaca. Woven towel.	665
439. Guillen, Juana, Ciudad Victoria, Tamaulipas. Embroidered handkerchief.	665	465. Luna, Guadalupe, Guadalajara, Jalisco. Embroidered cigar cases.	665
440. Hernandez, Francisca, Culiacan. Embroidered muffler.	665	466. Luna, Teresa, Zacatecas. Woven table cover.	665
441. Hernandez, Leonarda, Puebla. Embroidered card case.	665	467. Macedo, Ignacia, Toluca. Woven grapes.	665
442. Hernandez, Miguel, Guadalajara, Jalisco. Tapestry.	670	468. Macnot, Concepcion, Pachuca, Hidalgo. Woven pillow case.	665
443. Hernandez, Petra, Zacatecas. Net work towel.	665	469. Martinez, Carlota, Monterrey, Nuevo Leon. Embroidered cushion.	665
444. Hjar, Juana, y Companeras, Guadalajara, Jalisco. Case for newspapers.	665	470. Martinez, Catalina, San Luis Potosi. Embroidered handkerchiefs and crocheted work.	665
445. Hjar, Rosa, Culiacan, Sinaloa. Embroidered handkerchief.	665	471. Martinez, Dolores, Hermosillo, Sonora. Embroidered handkerchief.	665
446. Ibarra, Clotilde, Hermosillo. Embroidered piano cover.	665	472. Martinez, Paulina, Queretaro. Pillow case and cover, crocheted cover.	665
447. Inchaurregui, Maria, Cuernavaca, Morelos. Woven bed spread.	665	473. Martinez, Maxima, Tepic. Embroidered handkerchief.	665
448. Infanzon de Breton, Tlaxcala. Embroidered handkerchief holder.	665	474. Matamoros, Margarita, Puebla. Feather flowers.	665
449. Iturbide, Maria de J., Morelia, Michoacan. Sarape, crocheted.	664	475. M. de Arce Muz, Chilpancingo, Guerrero. Cloth flowers.	665
450. Jalapa, Ladies' Board. Embroidery and crocheted work.	665	476. Medina, Babiana, Merida. Crocheted work.	665
451. Jaques, Anastasia, Chihuahua. Frame with artificial flowers.	666	477. Medina, Ines, Merida. Woven lace crocheted work.	665
452. J. de Reyes, Aurelia, Monterrey, Nuevo Leon. Embroidered rugs.	665	478. Mejia, Maria de, Durango. Woven flowers.	665
453. Juarez de Rivera, Consuelo, Chilpancingo, Guerrero.		479. Mendez, Concepcion, San Luis Potosi.	
a Net work bureau cover, embroidered handkerchief and watch case.	665	a Embroidered handkerchiefs.	665
b Basket of corn leaves with artificial flowers.	666	b Tulip plants and mignonettes.	665
454. Labastida, Maria, Merida. Woven towel.	665	480. Mendez, Leonor, Puebla. Embroidered watch case.	665
455. Lady Manager of the Asylum, Guadalajara, Jalisco. Embroidered open work handkerchief.	665	481. Mendoza, Inocencia, Zacatecas. Crochet work towel.	665
456. Landero de Munoz, Antonia, Jalapa. Embroidered handkerchief.	665	482. Mendoza, Luisa, Merida. Crocheted work.	665
457. Larios, Juana, Guanajuato. Embroidered rug for a lamp.	665	483. Mendez, Margarita, Puebla. Embroidered cushion.	665
458. Larranaga, Angela, Zacatecas. Embroidered handkerchiefs.	665	484. Mendoza, Jesus, Chihuahua. Woven satin pillow covers.	665
459. Leon de Archiga, Apolonia, Zacatecas. Embroidered handkerchiefs.	665	485. Mexico, Department of Public Works. Embroidered velvet pillow case.	665
		486. Michel, Maria, Morelia, Michoacan. Embroidered and painted cushion.	665

## Laces, Embroideries, Trimmings, Artificial Flowers, Etc.

	Class'n No.	Exhibit No.	Class'n No.
choacan, Government of. Embroideries, etc.	665	514. N. M. R., Saltillo, Coahuila. Embroidered glass beads, cigar case.	665
choacan, State Government, Moravia flowers and linen flowers.	666	515. Nunez de Dehesa, Teresa, Jalapa. Embroidered linen shirts for boys.	665
an, Josefina, Zacatecas. Embroidered cushion.	665	516. Nunez, Isabel, Durango. Girl's woven dress.	665
an, Natalia, Zacatecas. Embroidered handkerchief.	665	517. Nunez, Maria, San Juan del Rio, Durango. Artificial flowers.	666
erry card stand with leather covers.	666	518. Oaxaca, Government of the State of. a Crochet work and embroideries.	665
amontes, Amaca, Tepic. Net box case.	665	b Artificial flowers; silk, wax, garlic, linen and shell flowers.	666
anda, Guadalupe, Culiacan, Sinaloa. Embroidered picture frame.	665	519. Obregon, Paula, Guanajuato. Foot cloth, embroidered.	665
uel, Matilde, Merida. Napkin	665	520. O. de Graff, Rosa, Toluca, Mexico. Yarn pin cushion, towel holder, etc.	665
, Francisca, Jalapa. Embroidery.	665	521. Olvera, Ignacia, Queretaro. Cushion and writing case.	665
real, Adela, Merida. Embroidered	665	522. Orozco, Ines, Durango. Artificial poppies.	666
talvo, Carmen, Merida. Silk handkerchief, embroidered.	665	523. Ortega, Manuela and Esther, Zacatecas. Flannel coverlet, embroidered.	665
talvo, Faustina, San Luis Potosi. Flowers.	666	524. Ortiz de Fernandez, Esther, Ciudad Victoria, Tamaulipas. Net work napkin.	665
tenegro, A., San Luis Potosi. Of roses.	666	525. Ortiz, Sara, Ciudad Victoria, Tamaulipas. Crochet work napkin.	665
terrey, Ladies' Board. Embroidered bureau cover and crocheted coverlet.	665	526. Paez, Trinidad, Culiacan, Sinaloa. a Embroidered handkerchief.	665
des, Isolina, Hermosillo, Sonora. Embroidered pillow cover.	665	b Artificial flowers.	666
no & Co., Ana, Mexico. "Chandippers".	665	527. Palacio, Jesus de, Durango. Embroidered pillow case.	665
rado, Domitila, Zacatecas. Embroidered handkerchief and towel.	665	528. Paredes, Aurora, Ciudad Victoria, Tamaulipas. Embroidered white linen sack.	665
ez, Carmen, Pachuca, Hidalgo. Es.	665	529. Parga, Isabel, Zacatecas. Embroidered table cover.	664
ez, Maria, San Luis Potosi. Of flowers.	666	530. P. de Diaz Gonzalez, Cristina, Toluca. Branch with imitation porcelain flowers.	666
ez, Matilde, Pachuca, Hidalgo. Woven in yarn.	665	531. Pena, Romana, Culiacan, Sinaloa. Embroidered open work towels.	665
ona, Mercedes, Hermosillo, Sonora. Name with dried leaves.	666	532. Peiro, Guadalupe, Durango. Embroidered worsted bed spread.	665
olonina, San Luis Potosi. Bouquetted flowers.	666	533. Perez, Maria, San Luis Potosi. A dahlia, roses.	666
ro, Dolores, Hermosillo, Sonora. Embroidered pin cushion.	665	534. Perez, Mercedes, Zacatecas. Leather writing case with leather flowers.	666
ro, Guadalupe, Hermosillo, Sonora. Embroideries.	665	535. Portillo, Jesus, San Luis Potosi. Bouquet of flowers.	666
ro, Josefina, Ciudad Victoria, Sinaloa. Silk rug.	665	536. Portillo, Refugio, Zacatecas. Picture case with artificial flowers.	666
ro, Teodora, Ciudad Victoria, Sinaloa. Embroidered silk muffler.	665	537. Posadas, Maria, Puebla. Embroidered rug.	665
Lauri, Elena, Chihuahua. Basket of artificial flowers.	666	538. Powell, Soledad, Jalapa, Veracruz. Flower stand with feather flowers.	666
ria, San Luis Potosi. Woven watch band and embroidered sack.	665	539. Prendis, Dolores, Durango. Artificial flowers.	666
ket of flowers.	666		

## Laces, Embroideries, Trimmings, Artificial Flowers, Etc.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
540. Puente, Maria, San Luis Potosi.	686	568. Salazar, Vicenta, Queretaro. Em-	686
Cloth flowers.		broidered handkerchief.	
542. Queretaro, State Government of. Em-	685	569. Salido, Candelaria, Merida. Crochet	685
broideries.		lace work.	
543. Ramos, Carmen, Pachuca, Hidalgo.	686	570. Sainz, Amelia, Durango.	685
Basket of linen flowers.		a Embroidered plush watch case.	685
544. Ramos, Elodia, Zacatecas. Embroid-	685	b Artificial flowers.	685
ered handkerchiefs and coverlet.		571. Sampayo, Jesus, Guadalajara, Jal-	686
545. R. de Salazar, Angela, Zacatecas.	684	isco. Watch case with artificial flowers.	686
Net work towel.		572. Sanchez, Antonia, Merida. Crochet	685
546. Real, Porfiria, Amealco, Queretaro.	685	napkin.	
Pillow case and embroidered open work		573. Sanchez, Petra, San Luis Potosi.	686
chemise.		Yellow flowers.	
547. R. de Castillo, Beatriz, Chilpancingo.	685	574. San Ignacio, Ladies' Board of, Culiacan,	685
Child's embroidered drawers.		Sinaloa. Embroideries.	
548. R. de la Pena, Refugio, Culiacan,	685	575. San Luis Potosi, State Government.	686
Sinaloa. Crochet bed spread.		Artificial flowers.	
549. Reinoso, Adriana, Zacatecas. Linen	686	576. Santa Maria, Dolores, Chihuahua.	685
flowers.		Open work napkin.	
550. Rico, Gregoria, San Luis Potosi.	686	577. Satarain, Dolores, Durango. Em-	685
Bouquet of wild flowers.		broidered blue satin apron.	
551. Robles, Juana, Tepic. Embroidered	685	578. Savinon, Concepcion, Puebla. Shell	686
handkerchief.		flowers.	
552. Rodriguez, Angela, Hermosillo, So-	686	579. Schaltz, Lorenza, Tepic. Bouquet	686
norra. Frame with linen flowers.		of wax flowers.	
553. Rodriguez, Angelina, Puebla. Em-	685	580. S. de Adame, Juana, Chilpancingo,	685
broidered watch case.		Guerrero. Silk handkerchief.	
554. Rodriguez, Inez, San Luis Potosi.	686	581. S. de Lopez, Consuelo, Toluca,	685
Cloth flowers.		Mexico. Woven article "la frivolite."	685
555. Rodriguez, Matilde, Merida. Em-	685	582. Silva, Adelaida, Guanajuato. Woven	685
broidered silk writing case.		coverlet.	
556. Rojas, Dionisia, Saltillo, Coahuila.	685	583. Solares, Enriqueta, Toluca, Mexico.	685
Embroidered and open work handker-		Embroidered music holder.	
chief.		584. Solis, Maria de Jesus, Merida. Silk	685
557. Rojas, Fernanda, Merida. Woven	685	handkerchief, embroidered.	
napkin.		585. Soto, Brigida, Culiacan, Sinaloa. Em-	685
558. Romo, Simona, Zacatecas. Embroid-	685	broidered handkerchief holder.	
ered handkerchief.		586. Sotomayor, Delfina, Culiacan, Sino-	685
559. Rosas, Juana, Culiacan, Sinaloa. Em-	685	loa. Embroidered silk handkerchief.	
broidered writing cover.		587. Surricalday, Brigida, Morelia, Micho-	685
560. Rosenzweig, Eudisia D., Toluca,	685	acan. Net woven articles.	
Mexico. Woven net swaddling cloth.		588. Tellez, Rafaela, Toluca, Mexico. Ar-	686
561. Ruiz de Chavez, Loreto, Zacatecas.	685	tificial flowers.	
Embroidered handkerchief.		589. Tapia, Ciria M. de, Culiacan, Sinaloa.	685
562. Ruiz, Elena, Culiacan, Sinaloa. Dried	686	Embroidered frame.	
and crystallized jasmine leaves.		590. Tellez, Margarita, Toluca, Mexico.	685
563. Sabido, Amada, Morelia, Michoacan.	685	Embroidered handkerchief.	
Bureau woven cover.		591. Tepic, Ladies' Board. Net work	685
564. Sabido, Sofia, Merida. Embroidered	685	towel and embroidered cushion.	
handkerchief.		592. Torreblanca, Dolores, Chilpancingo.	685
565. Salas, Ignacia, Culiacan, Sinaloa.	685	Embroidered frame.	
Embroidered cushions.		593. Torres, Maria M., Zacatecas.	686
566. Salas, Victoria, Culiacan, Sinaloa,	685	a Embroidered handkerchief.	686
Embroidered cushions and satin hang-		b Artificial flowers.	686
ing frame.		594. Trejo, Vicenta, Queretaro. Satin	685
567. Salazar, Dolores, Zacatecas. Em-	685	embroidered cushion.	
broidered handkerchief.			

## Laces, Trimmings, Artificial Flowers, Hair Work, Traveling Equipments.

Class'n No.	Exhibit No.	Class'n No.
galde, Natividad, Queretaro. Embroidered handkerchief and handkerchief holder.	620. Yucatan Government, Merida. Embroideries.	665
665	621. Zarate, Maria, Puebla. Feather flowers.	666
665	622. Zaragoza, Petra, Pachuca, Hidalgo. Woven napkin.	665
665	623. Zazueta, Matilde, Culiacan. Embroidered handkerchief and crochet work.	665
665	624. Z. de Pagaza, Rosa y Marin Juana, Puebla. Children's cap and shoes, worsted work.	665
665	625. Zubieta, Carmen, San Luis Potosi. "Hiedra" flowers.	666
665	626. Zubieta, Cecilia, San Luis Potosi. Artificial flowers.	666
665	627. Zubieta, Eustolia, San Luis Potosi. Flower box case.	666
665		
665	GROUP 107.	
665	628. Cervantes, Concepcion, Saltillo, Coahuila. Landscapes embroidered with hair.	672
665	629. Espinosa, Maria de, Culiacan, Sinaloa. Hair watch case.	672
665	630. Espinoza, F. M., Merida, Yucatan. Combs and hair pins.	675
665	631. Flores, Julia, Culiacan, Sinaloa. Hair frame.	672
665	632. Gonzales Vazquez, Rosa, Guadalajara, Jalisco. Frame with a hair cross.	672
665	633. Loreto, Vicenta, Guadalajara, Jalisco. Hair ornaments and hair collar.	672
665	634. May, Florentina, Valladolid. Wooden combs.	675
665	635. Medina, Ramos, Concepcion, Guadalajara, Jalisco. Hair frame.	672
665	636. Oaxaca, Government of. a Hair chain.	672
665	b Combs.	675
665	637. Parada, Luisa, Tepic. Embroidered hair frame.	672
665	638. Peniche, Margarita, Merida, Yucatan. Hair cord and chain.	672
665	639. Reyes, Elena, Guadalajara, Jalisco. Ladies' ornament set (of hair).	672
665	640. Salas, Josefa, Zacatecas. Cigarette holder of hair.	672
665	641. Solalinde de Alcocer, Felipa, Toluca, Mexico. Bouquet of hair flowers.	672
665	642. Tapia, Cirila M. de, Culiacan, Sinaloa. Hair frame.	672
665		
665	GROUP 108.	
665	643. Cardenas, Delfina, San Luis Potosi. Embossed wooden boxes.	678
665	644. Diaz, Rogerio, Qemul, Veracruz. Basket.	677

## Traveling Equipments, Rubber Goods, Toys and Fancy Articles.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
645.		670.	
Dorantes, Cecilio, Merida, Yucatan.		Davila, Maria, Culiacan, Sinaloa.	
a Carey picture stand, butterfly and	680	Plate with picture painting.	685
cuff buttons.	681	671. Escudero, Sofia, Culiacan, Sinaloa.	
b Carey canes.	678	Painted handkerchief case.	685
646. Ladies' Board of San Ignacio, Culiacan, Sinaloa. Palm hand bag.	678	672. Espinosa Antonio, Santa Maria del Rio, San Luis Potosi. Straw hand bag.	685
647. Lozano, David, Mexico. Valise and hand bag.	678	673. Flores, Mauricio, Tecalí. Onyx wreath.	685
648. Mendez, Felix, San Luis Potosi. Embossed wooden boxes.	678	674. Gallegos, Angela, Toluca, Mexico. Painted cushion.	685
649. Mendez, Silverio, La Candelaria, Tlaxcala. Canes.	681	675. Galindo, Trinidad, Puebla. Cloth figures.	685
650. Mexico, State Government, Toluca. Palm bag.	678	676. Garcilazo, Luisa, Puebla. Child's wooden shoes.	685
651. Moreno, Miguel, Ameca, Jalisco. Cane.	681	677. Gil, Isabel, Saltillo, Coahuila. Painted card.	685
652. Peto Municipality, Peto, Yucatan. Jicaras.	678	678. Gutierrez, Luisa, Tepic. Perforated paper screen.	685
653. Olagaray, Juan B., Durango. Leather bags.	678	679. Hernandez, Natividad, Zacatecas. Cloth figures.	685
654. Rodriguez, Maria del Carman, San Luis Potosi. Embossed wooden boxes.	678	680. Hernandez, Ma. y Salazar Natividad M., Santa Maria del Rio. Baskets and hand bag.	685
655. Rojas, Francisca, San Luis Potosi. Embossed wooden boxes.	678	681. Herrera y Hoyo, Carmen, Durango. Wax figures.	685
656. Sanchez, Fermin, San Esteban, Tlaxcala. Canes.	681	682. Iniestra, Rosario, Toluca, Mexico. Corn leaf card in plush.	685
657. Vazquez, Nazario, Campeche. Embroidered hide (cuero bordado).	680	683. Lascari, Josefa C., Puebla. Clay miniatures.	685
658. Vazquez, Simon, La Candelaria, Tlaxcala. Canes.	681	684. Lira y Vargas, Mercedes, Tlaxcala. Basket of wood cuttings.	685
659. Veracruz, Government of the State, Jalapa. Palm basket.	678	685. Magana, Antonia, Morelia, Michoacan. Oil painted cushion.	685
GROUP 109.		686. Magana, Sofia, Morelia, Michoacan. Painted satin satchet.	685
660. Fouard, J., Mexico. Rubber seals.	685	687. Maldonado, Gregoria V. de Chilpancingo, Guerrero. Dried flowers.	685
661. Tamariz, Mellado B., Hacienda de San Bartolome, Puebla. Rubber seals.	685	688. Mendoza, Policarpa, Guadalajara, Jalisco. Fancy jewel box.	685
GROUP 110.		689. Mexico, Local Board.	
662. Arriaza, Dolores, Guadalajara, Jalisco. Fruit stand with wax fruits.	695	a Clay figures and wax figures.	695
663. Avila, Cruz, Tepic. Basket with wax fruits.	695	b Marble pieces, carved and painted.	695
664. Barroeta, G., San Luis Potosi. Toys and fancy articles.	693	690. Mexico, State Government, Toluca. Moss and wax frame representing the battle of "the 5th of May."	695
665. Cabanas, Victoria y Ortiz Maria, Guadalajara, Jalisco. Glove box with ornaments.	695	691. Moreno, Miguel, Ameca, Jalisco. Leather dishes.	695
666. Cabral, Eustolia, Zacatecas. Wire basket of wax flowers.	695	692. Munoz, Guadalupe, Guanajuato. Oil painted cushion.	695
667. Camon, Miguel, Mexico. Clay statue.	693	693. Oaxaca. Feather rooster.	695
668. Casanova, Matilde, Merida, Yucatan. Plate with a picture painting.	695	694. Oliman, Manuel, Puebla. Onyx fruits, plates, etc.	695
669. Chiapas, Government of, Tuxtla. Paper bags.	695	695. Ortiz, Maria, Guadalajara, Jalisco. Fancy smelling bottles.	695
		696. Pena, Refugio, Culiacan, Sinaloa. Plush painted cushion.	695

## Articles, Weapons, Heating and Cooking Apparatus, Metal Ware, Cutlery, Etc.

	Class'n No.
Puebla, State Government. Collection of palm and horse-hair toys; collection of toys "de Jicara;" collection of wax toys.	693
Sanchez, Soledad, Puebla. Coarse toys.	693
Olano, Isabel, Toluca, Mexico. Oil painting on plush.	695
Pyper, Doctors, Mexico. Onyx vases.	695
Uarez, Maria G., Tlaxcala. Trunk wax fruits.	695
Corre, Feliciano, Chihuahua. Basket of fruits.	695
Crema, Rosa, Culiacan, Sinaloa. with picture painting.	695
Sega, Guadalupe, Puebla. Basket wax fruits.	695
Azueta, Matilde, Culiacan. Satin cushions.	695

## GROUP 112.

Maxaca, Government of. A scale.	706
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## GROUP 113.

Errera, Manuel, Motul, Yucatan. Cutlery.	717
Rodriguez, Cecilio, Sotuta, Yucatan. Cutlery.	717
Guerrero, State Auxiliary Board. Knife. Dagger and machete (Mexico).	717
Arce, National Arms Factory. Case with four gun models with trigger, Remington, Gross and Larking Henry systems.	714
Various cannon models and their implements.	715
National Artillery Foundry. Various models, balls and their implements.	715
Puebla, Government of. Iron yard.	717
Various marble and metal lamps and candleholders.	719
Sinaloa, Government of. Iron yard.	717
Box with apparatus for lighting.	718

## GROUP 115.

Res, Vicente, Queretaro. Jars and shields.	730
Creytz, Prefect of, Queretaro. Shields.	730

Exhibit No.	Class'n No.
716. Campeche, Prefect. Clay kitchen pieces.	730
717. Guerrero, Local Board, Chilpancingo. Wooden spoons.	730
718. Irazabal, Ignacio, Durango. Clay bowls, pots and vases.	730
719. Mexican Industrial Company, Chihuahua. Stove and implements.	727
720. Puebla, Government of. Wooden pails and spoons, clay jars and pots.	730
721. Tamariz, Melhado B., Hacienda de San Bartolome, Puebla. Model of a bath range.	726
722. Traslósheros, J. M., Acajete, Puebla. Clay pieces.	730

## GROUP 116.

722a. Michoacan, Government of. Copper vessels.	733
722b. Monterrey Foundry, Nuevo Leon. Various manufactured articles of iron.	733
722c. Morelia School, Morelia, Michoacan. Articles of tin.	733
722d. Trujillo, Prudencio, Monterrey, Nuevo Leon. Articles of tin.	733

## GROUP 118.

723. Durango Iron and Steel Company, Durango. Rails.	745
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## GROUP 119.

724. Mexican Industrial Company, Chihuahua. Nails, screws and fastenings.	747
725. Vera Pedro, Merida, Yucatan. Henequen and hair brushes.	748

## GROUP 121.

726. Cervera, Gregory, Campeche. Small pillow cases.	
727. Durango Iron and Steel Company, Durango. Cast iron balusters and cast iron columns.	
728. Espinola, Perez J., Campeche. Copas de magueles.	748
729. Industrial Military School, San Luis Potosi. Molded iron chairs.	
730. Tena, Hilario, San Luis Potosi. Molded iron articles.	
731. Viuda, de Leglis e Hijos, Del Salto Factory, Valle de Bravo, Mexico. Cast iron articles.	

# MONACO.

LOCATION—SEC. B., BLOCK 3.

## Collective Exhibit.

### Collective Exhibit of the Principality.

#### DEPARTMENT A.

##### GROUP 2.

Exhibit No.	Class'n No.
1. Di Cecco, Philippe. Macaroni and vermicelli.	15
2. Lorenzi, Eugene. Macaroni and vermicelli.	15

##### GROUP 3.

3. Bouchet, F., Rue Grimaldi. Candied and crystallized flowers and violets.	27
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##### GROUP 11.

4. Barral, Jean, Condamine. Liqueurs and cordials.	69
5. Lambert, Albert. Liqueurs and hygienic cordials.	69
6. Majaris, Charles. Vermouth.	70

##### GROUP 18.

7. Gindre, F. Olive oil.	95
8. Lambert, Albert. Olive oil.	95

#### DEPARTMENT B.

##### GROUP 20.

9. Artusio, Jean. Wines.	126
10. Avezzano, Freres. Wines.	126
11. Barral, Jean. Wines.	126
12. Decillis, T. & Fils. Brandy.	131
13. Majaris, Charles. White wine with herbs.	126

#### DEPARTMENT E.

##### GROUP 47.

15. Cardani, A. Cements.	309
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#### DEPARTMENT H.

##### GROUP 87.

16. Cruzel, Jean Leon.	
a Medicines, drugs and pharmaceutical preparations and compounds.	547
b Perfumery.	549
17. Losacco, N. Matches in boxes.	550
18. Societe Industrielle & Artistique de Monaco.	
a Drugs and pharmaceutical products and compounds.	547
b Essential oils and perfumery.	549

Exhibit No.	Class'n No.
18a. Moussier, F., Notari & Co. Essential oils and perfumery.	549

##### GROUP 90.

19. Contini & Mellerio. Imitation wood and decorative panels.	572
20. Jost, A. J. Roulette table.	566

##### GROUP 91.

21. Cavallero, Louis. Large vase dedicated to Pope Leo XIII.	575
22. Fallani, A. Ceramics.	575
23. Ferraris & Co. Mosaic tiles for pavements and tables.	578
24. Seguso, Louis. Mosaics and ceramics.	575

##### GROUP 94.

25. Polacco, G. Mosaics and works of art in glass.	593
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##### GROUP 95.

26. Galleano, Ernesto. Church window.	597
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##### GROUP 98.

27. Barbagli, G. & Co. Jewelry.	612
28. Seguso, Luigi. Jewelry.	612

##### GROUP 106.

29. Bossi, Mme. Lace.	664
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##### GROUP 110.

30. Cima, A., Monte Carlo. Fancy articles in olive wood.	695
31. Rivolta, Louis. Embroideries and embroidery stitching machine.	665

##### GROUP 120.

32. Colombara, J., Condamine. Bath and accessories.	753
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#### DEPARTMENT L.

##### GROUP 147.

33. Jost, A. J. Games and amusements, roulettes, etc.	825
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##### GROUP 148.

34. Avezzano, Freres. Medicinal wine.	825
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## Collective Exhibit.

GROUP 150.		Exhibit	Class'n
	No.	No.	No.
aire. Books of history and sta-	854	39. Cima, A. Views of Monaco and Monte Carlo.	871
, A., Monte Carlo. Books, cards, etc., printing, etc.	854	GROUP 153.	
ulaye, Honore. Newspapers.	858	40. Mackie, A. Collection of postage stamps of the principality.	
J., Pres. of the Monaco Society ty to animals. Books, pamphlets stics.	854	GROUP 154.	
GROUP 151.		41. Toubas. Calligraphic work by the exhibitor.	
, Numa. Photographs of their ses, the Prince and the Princess to; and views of Monaco.	871		

## NETHERLANDS.

## LOCATION-SEC. A.

## Ceramics and Mosaics, Enamels, Glass, Scales, Miscellaneous.

GROUP 91.		GROUP 106.	
	Class'n No.	Exhibit No.	Class'n No.
n, C. H., Roermond. Porce-	579	7. Stoltzenberg Roerm	Church
s.		embroideries.	669
Joost, & Labouchere, Delft.		GROUP 112.	
enware and porcelain.	576	8. Becker's Sons, Rotterdam.	
ed porcelain.	577	a Prescription scales.	
for mural and mantel decora-	578	b Assayers' and chemists' scales.	
l decorations.	579	London, Brussels, Antwerp, Amsterdam exhibitions diplomas of honor, gold medal. Paris Exposition, gold medal refused.	
GROUP 93.		GROUP 121.	
a, W., & Son, Amsterdam.	585	9. Van Linschoten, G. J., Kralingen. Imitations of wood and marble.	
s and columns.		Exhibits Classified in Other Departments but Installed in This.	
ses and Luxus pillars.		DEPARTMENT K.	
GROUP 95.		GROUP 189.	
1, C. H., Roermond. Stained	597	ro. Stoltzenberg Co., Roermond. Marble and stone statues.	
dows.			
berg Co., Roermond. Stained	597		
dows.			
GROUP 96.			
berg Co., Roermond. Church	598		

## NEW SOUTH WALES.

LOCATION—SEC. B AND SEC. C, BLOCK 2.

Chemicals, Colors, Dyes, Stationery, Furniture, Carvings, Clothing, Furs.

## GROUP 87.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 1. Bond Eucalyptus Oil Co., 3 Moore street, Sydney. Eucalyptus oil and leaves.      | 547         |
| 2. Braddock, C. H., Manly. Eucalyptus extract.                                      | 547         |
| 3. Coleman & Sons, Ltd., Cootamundra. Eucalyptus extract and preparations.          | 547         |
| 4. Curry, Richard, Marulan. Eucalyptus oil and leaves.                              | 547         |
| 5. Dickson, T. H., Bennett Street, Bondi, Sydney. Toilet soaps.                     | 549         |
| 6. Grigor, Wm., Sydney.<br>a Eucalyptus oil and preparations.<br>b Eucalyptus soap. | 547<br>549  |
| 7. Massey & Co., Young. Eucalyptus extract.   | 547         |
| 8. Reuben, A., Singleton. Prickly-pear oil.   | 549         |
| 9. Sachs, Valentine, Standard Soap-works, Glen Innes. Eucalyptus toilet soap.       | 549         |
| 10. Walsh, M. W., Walcha. Polishing powder  |             |

## GROUP 88.

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|--|-----|
| 11. Peithman & Co., 104, Point Piper Road, Sydney. Blacking. | 552 |
| 12. Williams, Edward, Sydney. Writing ink and gum.           | 552 |

## GROUP 89.

- |  |     |
|--|-----|
| 12a. Government Printer, Sydney. Blank books, sets of account books, specimens of ruling, binding, etc. (68 exhibits.) | 561 |
|--|-----|

## GROUP 90.

- |  |     |
|--|-----|
| 13. Commissioners for New South Wales, Sydney.<br>a Occasional tables in colonial woods.                             | 566 |
| b Dining-room suit of black bean, bedroom suit of beach, library suit of cedar, and hall-stand of colonial rosewood. | 567 |
| c Doorway of colonial black bean.  | 570 |

- | Exhibit No.  | Class'n No. |
|--|-------------|
| 14. Heiron & Smith, Sydney. Billiard table, cabinet, cue rack and cues, all of colonial woods, and ivory billiard balls. | 566         |

## GROUP 96.

- |   |     |
|---|-----|
| 15. Grigor, Robert, Sydney. Carvings in Australian woods.                             | 598 |
| 15a. Hullock, Mrs., Peel. Carved egg.   | 598 |
| 16. Shakespear, Mrs. Elizabeth, Blayney. Picture frame decorated with nuts and seeds. | 598 |
| 17. Svenson, H. J., Sydney. Photograph frame of colonial woods.                       | 598 |
| 17a. Wilson, Charles, Sydney. Carved egg.   | 598 |

## GROUP 99.

- |  |     |
|--|-----|
| 18. Benjamin, Marcus, Sydney. Independent dead-beat center-seconds stop watches. | 617 |
|--|-----|

## GROUP 101.

- |                                  |     |
|----------------------------------|-----|
| 18a. Squires, I. Corn husk mats. | 635 |
|----------------------------------|-----|

## GROUP 104.

- |  |     |
|--|-----|
| 19. Ellis, Thomas E., Newcastle. Boots and shoes.  | 656 |
| 20. Stubbs, A., Bathurst. Suits of clothing of New South Wales material and manufacture. | 652 |

## GROUP 105.

- |   |     |
|---|-----|
| 21. Grant, W., Bathurst. Collection of tanned fur skins, chiefly of indigenous animals of the colony.       | 600 |
| 22. Sunderland, William, Yass. Collection of tanned fur skins, chiefly of indigenous animals of the colony. | 600 |

## GROUP 109.

- |  |     |
|--|-----|
| 23. Weingott & Sons, Sydney. Clothing, mackintoshes, capes, coats, boots, bags, etc., of rubber goods. | 652 |
|--|-----|

## GROUP 110.

- |  |     |
|--|-----|
| 24. Russell, John, Sydney. Safety button bank of colonial woods. | 652 |
|--|-----|

## Leather, Metal, Hardware, Sanitary Materials.

## GROUP 111.

	Class'n No.
High, Nettheim & Co., Sydney.	
le leather.	697
th & Sons, James, Sydney.	
le leather.	697
t, W., Bathurst. Sides sole	697
wici & Son, J. C., Sydney. Belt-	
laces, etc.	697

## GROUP 118.

n, R., Bathurst. Horse-shoes	
s kinds.	746
thern, John L., Albury. Horse-	
various kinds.	746
ry, James, Goulburn. Hand-	
se-shoes.	746
1, Wm., Sydney. Improved	
es.	746

## GROUP 119.

A., Sydney. Nut lock-bolt.	747
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Exhibit  
No.

33. M'Nab, R., Sydney. Bellows, forge, etc.	Class'n No. 747
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## GROUP 120.

34. Sinclair, A. & W. T., Sydney. Sanitary engineering work.	756
35. Sinclair, Walter, Sydney. Sanitary plumbing work.	756

Exhibits Classed in Other Departments  
but Installed in This.

## DEPARTMENT J.

## GROUP 135.

36. Hetherington, Carruthers, Mrs., Sydney, N. S. W. Electric towels, belts, corsets, etc.	809
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## DEPARTMENT I.

37. Guille, Mrs. H., Goubburn. Improved bamber bed.	832
38. Harding, Miss F., Sydney. Improved invalid mattress.	832

## NORWAY.

## LOCATION-SEC. K, BLOCK 1.

writers and Stationery, Furniture, Mantels and Monuments, Carvings.

## GROUP 89.

	Class'n No.
lens Woodpulp and Paper	
Bohn. Sulphite woodpulp, and unbleached.	556
Cellulosefabrik, Christiania.	
pulp, dry, bleached and un-	556
Fabriker, Christiania. Sul-	
pulp, flodquist process.	556
llulosefabrik, Moss. Chemi-	
tp, sulphite of soda process.	556
s Cellulosefabrik, Ranheim.	
oodpulp.	556
Cellulosefabrik, Skien. Sul-	
pulp.	556
Cellulosefabrik, Skotselven.	
odpulp.	556

## GROUP 90.

nalia, Syd-Flatanger. Por-	
covers; wall hangings.	568
Frida, Christiania. Pictorial	
	568

Exhibit  
No.

10. Norsk Husflidsforening, Christiania.	Class'n No. 568
Portieres, draperies.	
11. Norsk Husflids Skole, Liadalen. Art	
fabrics; model of hand-loom.	568

## GROUP 92.

12. Anker, Christian, Fredrikshald.	
a Wainscoting and slabs.	582
b Fire places and columns.	583
13. Gude, Erik A., Christiania.	
a Rough and polished monuments.	581
b Slabs and wainscoting, etc.	582
c Columns.	583
14. Koltzow, Ioha F. A., Christiania.	
a Grave monuments.	581
b Table slabs.	582

## GROUP 96.

16. Anganes, H. A., Hardanger. Birch-	
wood tankard, box, breastpin and knife.	598
17. Bakkestoil, O. H., Telemarken.	
Turned wood.	598

## Carvings, Plate, Jewelry, Fibres, Woven Goods of Wool, Clothing, Laces.

Exhibit No.	Class'n No.
18. Björvik, Ole R., Bygstad. Beer tankards.	598
19. Borgersen, B., Svelvig. Wood carving.	598
20. Dagestad, Magnus M., Hardanger. Carved articles.	598
21. Djupvik, Hans, Strandvik. Box and breastpin.	598
22. Jacobsen, Edward, Lesjeskogen. Boxes.	598
23. Kinservik, Lars T., Hardanger. Wood carvings.	598
24. Lofthuus, Johs., Hardanger. Boxes, card receiver, etc.	598
25. Norsk Husflids Skole, Liadalen. Wood carvings.	598
26. Nystog, Tollef O., Telemarken. Drinking horn.	598
27. Sjøthum, Nils, Hardanger. Tankard, box and frame.	598
28. Skaaltveit, Guthorm, North Hardanger. Wood carvings.	598
29. Sundvold, Erland O., Vinje, Vosse-Stranden. Wood carvings.	598
30. Tvedt, Johannes, Hardanger. Wood carvings.	598
31. Utne, Sjur Oddsen, Hardanger. Wood carvings.	598
32. Vik, Ingebrigt, Bergen. Dish of chased silver and carved ivory.	599

## GROUP 97

33. Andersen, David, Christiania.	
<i>a</i> Gilt enameled coffee services; lamps.	604
<i>b</i> Silver tableware.	605
<i>c</i> Fancy articles.	607
34. Gunnene, Torchel A., Gvarö, Skien. Drinking cups; tin tankard, etc.	608
35. Hammer, M., Bergen.	
<i>a</i> Gilt tableware.	604
<i>b</i> Silver tableware.	605
<i>c</i> Spoons; fancy articles.	607
36. Rudström, J. A., Fredrikstad. Candellabra, tankard and chalice.	608
37. Tostrup, J., Christiania.	
<i>a</i> Gilt tableware.	604
<i>b</i> Fancy articles.	607

## GROUP 98.

38. Andersen, David, Christiania.	
<i>a</i> Gold ornaments.	612
<i>b</i> Diamond jewelry.	613
<i>c</i> Filigree jewelry.	616
39. Hammer, M., Bergen.	
<i>a</i> Ornaments, antique silverware.	612
<i>b</i> Filigree jewelry.	616
40. Tostrup, J., Christiania.	
<i>a</i> Gold ornaments.	612
<i>b</i> Filigree jewelry.	616

## GROUP 99.

Exhibit No.	Class'n No.
41. To, Kristian Olsen, Telemarken. Silver watches.	617

## GROUP 101.

42. Norsk Husflids Skole, Liadalen. Hammocks.	62
43. Norsk Husflids Skole, Liadalen. Articles made from root fibres and straw.	63

## GROUP 102.

44. Arup, Maria, Christiania. Embroidered rug.	64
45. Bekhus, Johanne, Rawland, Telemarken. Home-woven rug.	64
46. Berg, Hans, Stenkjær. Dyed home-spuns.	64
47. Hauglan, Kjerstina, Træsvig. Home-woven rugs.	64
48. Prahl, Hildur, N., Bergen. Home-woven rugs.	64
49. Sørensen, Hanna, Christiania. Hand-knit bath towels.	64

## GROUP 104.

50. Gunnene, Torchel A., Gvarö. National costumes.	65
51. Hallen, Brodrene, Christiania. Gloves.	65
52. Helland, Gunhild, Telemarken. National costume.	65
53. Sundt & Co., Bergen. National costumes.	65

## GROUP 106.

54. Drivdahl, Marie, Christiania. Art embroidery.	66
55. Hansen, Fritze, Fredrikshald. Embroidered handkerchief.	66
56. Holm, Dorteia, Molde. Frame of leather work.	66
57. Holm, Lina, Stavanger. Artistic embroideries.	66
58. Irgens, Maria, Bergen. Embroideries.	66
59. Maakestad, Guro Larsen, North Hardanger. Embroideries.	66
60. Naesheim, Brita, Hardanger. Afghan and embroidery.	66
61. Norsk Husflidsforening, Christiania. Embroideries.	66
62. Norsk Husflids Skole, Liadalen. Embroideries.	66
63. Olson, Kristian, Telemarken. Embroidery.	66
64. Skaaltveit, Britha T., North Hardanger. Embroidery.	66
65. Thrane, Ragnhild, Christiania. Imitation Gobelin hanging.	67

## Hair Work, Toys, Leather, Weapons, Wrought Iron, Miscellaneous.

	Class'n No.
Brita, Hardanger. Embroidery.	665
berg, Signy, Bergen.	
roidery.	665
mbroidery.	669
nsen, Elisa, Ulvik. Flower	666

## GROUP 107.

Husfids Skole, Liadalen.	675
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## GROUP 110.

Husfidsforening, Christiania.	695
Husfids Skole, Liadalen,	
Hand-painted articles.	695
ristian, Telemarken. Dolls.	695

## GROUP 111.

Committee, Bergen.	
d catfish skins, seal skins.	696
ather.	702
. C., Trondhjem. Calfskins	696
ins.	696

## GROUP 113.

. H., & Co., Christiania.	714
oes; skates.	718
istian, Telemarken. Powder	718

## GROUP 115.

& Madsen, Kragero. Stoves.	725
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## GROUP 118.

omfabrik Dennorske, Chris-	
eshoe nails.	746

## GROUP 121.

get Hermes, Christiania.	
inket unrolling apparatus.	
Johs, Christiania. Mud	

ed in Other Departments  
talled in This.

## ARTMENT A.

## GROUP 6.

Hamar. Preserved meats.	36
Milk Condensing Com-	
ristiania. Condensed milk.	39

Exhibit No.	Class'n No.
81a. Stangeland, Enok L., Sandnaes.	Pre-
served meat and game.	36

## GROUP 7.

82. Aktiebolaget Hermes, Christiania.	
Milking apparatus.	44
83. Alvaer, John H., Bergen. Goat's milk	
cheese.	43
84. Lund, Carl, Christiania. Cheese.	43
85. Soiland & Hegland, Stavanger.	
Cheese.	43

## GROUP 11.

86. Hartman, Joh., Trondhjem. Punch and	
Cordials.	69
87. Løitens Branderjes Destillation, Chris-	
tiania.	
a Aquavit.	67
b Pure spirits.	68
c Punch and liqueurs.	69
d Bitters.	70
88. Lysholm, Gorgen B., Christiania.	
a Aquavit.	67
b Pure spirits.	68
c Punch.	69
89. Oplandske, Sprittfabrik, Christiania.	
a Aquavit.	67
b Pure spirits.	68
c Punch.	69
d Bitters.	70
90. Paulsen, H., & Co., Christiania.	
Punch.	69

## GROUP 12.

91. Christiania Actie Ølbryggeri, Chris-	
tiania. Beers and ale.	73

## GROUP 16.

92. Børsum, Julius, Lillehammer. Horse	
rake.	86

## DEPARTMENT K.

## GROUP 139.

93. Drammens Jernstøberi og Mek. Vark-	
sted, Christiania. Statuettes and bust.	

## DEPARTMENT L.

## GROUP 147

94. Bentzen, S., Bergen. Filter.	829
95. Thams & Co., M., Trondjem. Model	
of dwelling house.	827

## GROUP 148.

96. Eckell, W. F. W., Christiania. Malt	
extract, emulsion of cod liver oil.	834
97. Stormer, F., Christiania. Inhalers.	
	897

## Miscellaneous.

Exhibit No.	Class'n No.
98. Tidemand's Orthopædical Institute, Christiania. Photos of prosthesis.	838

## GROUP 149.

99. Brun's, A., Boghandel, Trondhjem. Zoological drawings for school use, with plans and notes.	845
100. Johannesen, Amalia, Christiania. Books on sewing and dressmaking.	843
101. Malling's, P. T., Boghandel, Christiania. Collection of school material for instruction.	842
102. Pedersen, Gustav, Meaux, France. Text book on watchmaking.	847
103. Rosing, Marie, Christiania. Books on dressmaking and needle work.	843
104. Thommesen, Tarje, Christiania. Drawings, and desk for deaf mutes.	849

## GROUP 150.

105. Cammermeyer's, Forlag, Alb, Christiania.	
a Publications.	854
b Maps.	864
106. Central Bureau of Statistics, Christiania. Collection of publications on Norwegian statistics.	863
107. Dybwad, Jacob, Christiania.	
a Road map of Norway.	864
b School books.	865
c Books, sample of binding, etc.	854
108. Folkebladets Aktiebolag, Christiania. Books.	854
109. Krag, H. U., Commissioner of Highways, Christiania. Geographical maps.	854
110. Malling's, P. T., Boghandel, Christiania. Books.	854
111. Meteorological Institute, Christiania. Reports and charts of arctic expeditions.	864
112. Refsum, Hans Matheus, Christiania. Bookbinders' work.	854

## GROUP 151.

113. Bennett's Tourist Office, Christiania. Photos of scenery, etc.	871
114. Greve & Nordland, Stavanger. Photographs.	871
115. Knudsen, K., Bergen. Photographs.	871
116. Michelet, Fr. Aug., Christiania. Chronometers.	873

Exhibit No.	Class'n No.
117. Persen, Sostrene, Bergen. Photographs.	871
118. Skoien, M., Christiania. Photographs.	871

## GROUP 152.

119. Lindgaard, Henry, Trondhjem. Maps, surveys and drawings.	877
120. Thams, M., & Co., Trondhjem. Plans of dwelling houses, wooden buildings for export. In Norway pavilion	881

## GROUP 154.

121. Dietrichson, J. L. W., Molde. Statistical maps of mining and commerce.	886
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## GROUP 158.

122. Auversen, Sviennung, Telemarken. Violins.	921
123. Ellefsen, Kaud, Telemarken. Violins.	921
124. Helland, Gunder Olsen, Telemarken. Violin.	921
125. Helland, Ole G., Telemarken. Violin.	921
126. Hovdestad, Osten Bjornsen, Telemarken. Violin.	921
127. Lofthnus, Bjorn, Vinje. Violin.	921

## DEPARTMENT N.

## GROUP 19.

128. Bohnsdalen Wood Pulp & Paper Mill Ltd., Bohn. Wood pulp.	191
129. Gjovik Cellulosefabrik, Christiania. Dry, bleached and unbleached pulp.	191
130. Hunsfos Fabriker, Christiania. Unbleached wood pulp.	191
131. Moss Cellulosefabrik, Moss. Chemical wood pulp.	191
132. Ranheims Cellulosefabrik, Ranheim. Wood pulp.	191
133. Skien Cellulosefabrik, Skien. Wood pulp.	191
134. Skotselv Cellulosefabrik, Skotselv. Wood pulp.	191
135. Thams, M., & Co., Trondhjem. Timber for house-building purposes. Norway's pavilion	191

## PERSIA.

LOCATION—SEC. A, BLOCK 2.

Metal Work, Jewelry, Silks, Felted Goods of Wool, Furs, Laces.

GROUP 98.		GROUP 106.	
	Class'n No.	Exhibit No.	Class'n No.
in, H. H., Teheran. Art metal	585	4. Topakyan, H. H., Teheran. Rugs and carpets.	649
GROUP 98.		GROUP 105.	
in, H. H., Teheran. Gold	612	5. Topakyan, H. H., Teheran. Skins with fur.	660
GROUP 100.		GROUP 106.	
n, H. H., Teheran. Silks.	628	6. Topakyan, H. H., Teheran. Embroid- ered covers.	669

## RUSSIA.

LOCATION—SEC. D AND SEC. K, BLOCKS 1-2-3-4.

Chemicals and Druggists' Supplies.

GROUP 87.		GROUP 87.	
	Class'n No.	Exhibit No.	Class'n No.
os., St. Petersburg.		10. Loginov, Government of Perm. Matches.	550
s. extracts and essences.	546	11. Lorie.	
Co., Moscow. Perfumery.	549	a Alkalies.	544
St. Petersburg. Perfumery.	549	b Salts.	545
(ulcan), Goldingen. Matches.	550	12. Lubimov, Solve & Co., Government of Perm and Ekaterinburg. Bi-carbonate of soda.	544
cow.		13. Mirsajanz & Co., Government of Erivan. Insect powder.	548
utical preparations.	547	14. Ooshkov & Co., Government of Vi- atka.	
cow.	544	a Alkalies.	544
	545	b Salts.	545
ow.		15. Ostroumov, Moscow. Soaps.	549
reparations.	546	16. Pehl, St. Petersburg.	
utical preparations.	547	a Chemical preparations.	545
v Bros. Chemicals.	543	b Etheric oils.	548
ida), Government of Nov-		17. Rallet & Co., Moscow. Perfumery.	549
es.	550	18. Reingerz, St. Petersburg. Sinap- ism and gelatine capsules.	548

## Chemicals, Paints, Stationery, Furniture, Mosaics, Marble, Art Metal Work, Glass.

Exhibit No.	Class'n No.
19. Repman, Govt. of Saratov. Etheric oils and extracts.	549
20. Smirnov, S. D., Ivanovo-Vosnesensk. a Organic or mineral acids.	543
b Chemicals.	546
21. Tentelev Chemical Works, St. Petersburg. a Alkalies.	544
b Salts.	545
22. Tsypkin, Govt. of Vilno. Glycerin-gelatine capsules and drugs.	547

## GROUP 88.

23. Bremme Bros., St. Petersburg. Colors and pigments.	552
24. Moscow Dyeing Co., Govt. of Moscow. Samples of dyeing stuffs.	552
25. Olovianishnikov, Jaroslav. White lead.	553
26. Sinitsyn, Govt. of Orel. Varnishes.	552

## GROUP 89.

27. Freiberg (Lyra), Riga. Ledgers and office books.	561
27a. Hlavac, I. I., Moscow. Metal stamps.	564
28. Lukutin, Govt. of Moscow. Objects in artistic varnished papier-mache.	557
29. Russian Treasury Bureau of Engraving and Printing. Printing paper.	559
29a. Vischniakoff, E. T., Papier-mache, hand painted.	557
29b. Vischniakoff & Sons. Papier-mache, hand painted.	557
30. Wargoonin Bros., Govt. of St. Petersburg. Paper.	556

## GROUP 90.

31. De-Kamilly, St. Petersburg. a Chairs.	565
b Suits of furniture.	567
c Mirrors.	569
32. Gecele, St. Petersburg. a Carved wood tables.	566
b Carved and gilt mirror frames, etc.	569
33. Grinberg, St. Petersburg. Furniture.	567
34. Imperial Peterhof Works, Peterhof. Stone work in furnishing.	572
35. Levitt, Moscow. a Tables.	566
b Furniture.	567
36. Loviton, St. Petersburg. a Tables.	566
b Suits of furniture.	567
37. Meltzer, Th. & Co., St. Petersburg. a Chairs, etc.	565
b Mirrors.	569

Exhibit No.	Class'n No.
38. Posse, St. Petersburg. Gilt frames.	549
39. Semetchkine, St. Petersburg. Cabinets with designs in burned wood.	549
40. Tukulov, Govt. of Kostroma. Sideboards.	549

## GROUP 91.

41. Granzov, Govt. of Warsaw. a Bricks and terra cotta.	549
b Tiles, plain, encaustic and decorated.	549
42. Kuznetsov, Moscow. a China crockery.	549
b Porcelain.	549
43. Lippold, St. Petersburg. Paintings on porcelain.	549
44. Rasteriaev, Govt. of St. Petersburg. Bricks.	549
45. Semenov, St. Petersburg. Paintings on porcelain.	549

## GROUP 92.

46. Bergman, Helsingfors. Monument.	549
47. Imperial Factories of Ekaterinburg and Kolyvan, Govt. of Perm and Tomsk. Vases in jasper, hornstone and marble.	549
48. Imperial Peterhof Works, Peterhof. Stone fountains, etc.	549
49. Kopievsky, Revel. a Granite slab.	549
b The Chicago Arms.	549
50. Korchakov-Sivitsky, Government of Kiev. Work in labrador.	549
52. Persianinov, Government of Perm. Work in stone.	549
52a. Popov, Prof., St. Petersburg. Marble statues.	549
53. Svetchnikov, Government of Perm. Work in selenite.	549
54. Werfel, St. Petersburg. Stone ornaments.	549

## GROUP 93.

55. Fedorov, St. Petersburg. Works in bronze, oxydized.	549
55a. Meltzer, A. (Stange.) St. Petersburg. Groups in bronze.	549
55b. Mikeshin, St. Petersburg. Model of a monument in bronze.	549
56. Renner, St. Petersburg. Objects wrought iron.	549
56a. Strabrovsky. Sacred images.	549
57. Werfel, St. Petersburg. Bronzes.	549

## GROUP 94.

58. Frolov, St. Petersburg. Images in mosaic.	549
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## Carvings, Plate, Jewelry, Horology, Silks, Woven Goods of Cotton, Etc.

	Class'n No.	Exhibit No.	Class'n No.
ev-Maltsev, Government of		78. Sanojnikov, Moscow.	
ed glass.	591	a Silk tissue fabric.	625
ed and onyx glass.	594	b Figured silk stuffs.	629
GROUP 96.		79. Suratov, St. Petersburg.	
ov St. Petersburg. Carv-		a Ribbons.	631
598		b Braid.	632
Riga. Image-stand.	598	80. Zaglodin Bros., Moscow.	
St. Petersburg. Artistic		a Plain silk tissue.	628
wood, and crucifix.	598	b Figured silk tissue.	629
GROUP 97.		GROUP 101.	
St. Petersburg. Caucasian		81. Senkov., Government of Vladimir.	
608		Jute fabrics.	633
St. Petersburg.		GROUP 102.	
are for the table.	605	82. Alexandroy Bros., Government of	
lated ware.	609	Kaluga. Fine and fancy woven cotton	
n, St. Petersburg.		fabrics.	638
able ware.	605	83. Balakin, Moscow. Cotton fabrics.	638
ijoutry.	607	84. Baranov, Government of Vladimir.	
Moscow. Enameled silver.	608	Cotton manufactures.	638
St. Petersburg. Works in		85. Bogorodsk-Gloukhov Co., Govern-	
Kiev.	604	ment of Moscow. Cotton manufactures.	638
n gold.	604	86. Boorilin, Ivanovo-Vosnesensk. Manu-	
a silver.	605	factures.	638
ov Bros., Moscow.		87. Demidov, Government of Vladimir.	
ble ware.	605	Linen thread and stuffs.	639
ated ware.	609	88. Derbenev Sons, Ivanovo-Vosnesensk.	
GROUP 98.		Cotton manufactures.	638
Bros., Warsaw. Amber.	614	89. Gandoorin A. & Bros., Ivanovo-Vos-	
erals.	613	nesensk. Cotton manufactures.	638
Petersburg.	612	90. Garelin, I. & Son. Ivanovo-Vosne-	
ts.	615	sensk. Cotton manufactures.	638
St. Petersburg. Silver	612	91. Garelin, N., Sons, Ivanovo-Vosne-	
St. Petersburg. Artistic	612	sensk. Cotton manufactures.	638
Bros., Moscow. Gold	612	92. (Yartsev Factory) Khloodov, Govern-	
ry.	612	ment of Smolensk. Cotton manufact-	
ROUP 99.		ures.	638
, Ofoa. Automatic con-	624	93. Konskin. Government of Moscow.	
ROUP 100.		Cotton manufactures.	638
Bros., Government of		94. Koovaev Co. Ivanovo-Vosnesensk.	
herchiefs, scarfs, etc.	630	Cotton manufactures.	638
overnment of Moscow.		95. Malutin, Sons, Government of Mos-	
n silks.	628	cow. Cotton manufactures.	638
ks.	629	96. Marakooshev. Ivanovo-Vosnesensk.	
oojon, Moscow.		Manufactures.	638
ins.	626	97. Morozov, S., Son. Government of	
a silks.	628	Vladimir. Cotton manufactures.	638
cs.	629	98. Morozov, V. Government of Vladimir.	
		Cotton manufactures.	638
		99. Pahl. St. Petersburg. Cotton manu-	
		factures.	638
		100. Pavlov, Government of Vladimir.	
		Cotton manufactures.	638
		101. Prohorov T. G. Factory, Moscow.	
		Cotton manufactures.	638
		102. Rostov Linen Factory. Government	
		of Jaroslav. Linen thread and stuffs.	639

## Fabrics, Felted Goods, Clothing, Furs, Laces, Umbrellas, Weapons, Lighting, Etc.

Exhibit No.	Class'n No.
103. Sakin, Government of Jaroslav.	
Linen.	689
104. Senkov, Government of Vladimir.	
Linen fabrics.	639
105. Shooiski Factory, Shooia. Cotton manufactures.	638
106. Woronin, St. Petersburg. Cotton flannel.	638
107. Yassuninsky Co., Government of Vladimir. Cotton manufactures.	638
108. Zimin, Government of Moscow. Cotton manufactures.	638
109. Zoobkov, Ivanovo-Vosnesensk. Cotton manufactures.	638
110. Zoubov, Government of Vladimir. Cotton manufactures.	638

## GROUP 103.

111. Alexandrov Bros., Government of Kaluga. Shawls.	642
112. Belov, Moscow. Woolen upholstery stuffs.	646
113. Broonov, Government of Moscow. Carpets.	649
114. Geinzel, Lods.	
a Woolen stuffs.	641
b Half woolen stuffs.	644
115. Narva Cloth Manf. (Stieglitz), Government of St. Petersburg. Cloth.	641
116. Paliakov, Government of Moscow.	
a Woolen goods.	641
b Woolen mixed goods.	644
117. Spekhin, St. Petersburg. Felt slippers.	648

## GROUP 104.

118. Ministry of War, Intendent Department, St. Petersburg.	
a Samples of cloth used in Russian army.	652
b Russian army shoes.	656
119. Peretz, Tomask.	
a Linen embroideries.	665
b Linen underwear.	658
121. Spekhin, St. Petersburg. Linen underwear.	658

## GROUP 105.

122. Gruhnvaldt, E., St. Petersburg.	
a Furs.	660
b Fur clothing.	662
123. Gruhnvaldt, P., St. Petersburg.	
a Furs.	660
b Fur clothing.	662
124. Mishenko, St. Petersburg. Stuffed brown owl.	660
125. Panishev Bros., Government of Nijni-Novogorod. Sheepskins.	660
126. Panishev, I., Government of Nijni-Novogorod. Sheepskins.	660

Exhibit No.	Class'n No.
127. Penov Sons & Kovaler, Government of Nijni-Novogorod. Sheepskins.	
128. Popov, St. Petersburg. Stuffed animals. (Fur.)	
129. Sutiagin, Moscow. Dyed sheepskins.	

## GROUP 106.

129a. Elisseev, St. Petersburg.	
a Laces.	
b Embroideries.	
130. Kolonin Sons, Moscow. Embroideries in silver and gold.	
131. Mumrikov, W., Government of Vladimir. Tinsel.	
132. Nathanson Bros., Dvinsk. Buttons.	
133. Plater-Ziberg, Count, Dvinsk. Needles.	

## GROUP 108.

134. Azenov, District of the Don-Cosak. Walking staff.	
135. Spekhin, St. Petersburg. Umbrellas.	
136. Wologda's Permanent Exhibition. Wologda. Objects in horn.	

## GROUP 110.

137. Nikolaev, St. Petersburg. Toys.	
138. Tukalov, Government of Kostroma. Small wood carving.	

## GROUP 113.

139. Cutlery of Zlatoust. Knives, side arms.	
140. Kasatkin, Moscow. Cartouches in metal.	
141. Legen, St. Petersburg. Fire-arms.	
142. Mining District of Olonetz. Artillery projectiles.	

## GROUP 114.

142a. Puschkarev. Candles for benzine and gasoline.	
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## GROUP 115.

143. Plenske, St. Petersburg. Heating and cooking apparatus.	
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## GROUP 116.

144. Alenchikov & Zimin, Govt. of Vladimir. Tea-urns and objects in metal.	
145. Batashev Heirs, Tula. Tea-urns, slop-bowls and tea-boards.	
146. Batashev, N., Tula. Tea-urns and tea-boards.	
147. Hvastunov, St. Petersburg. Brass kettles.	

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	Class'n No.
ugin, Govt. of Vladimir. Tea-	
howls, tea-boards and other	
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nishnikov, Jaroslav. Bells.	733
Moscow. Heating apparatus:	732
n, Moscow. Bells.	733

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	746
ov, St. Petersburg. Models	
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**GROUP 119.**

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	747
ov, Heirs, Government of	
Knives.	751

**GROUP 120.**

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indry tubs, etc.	755

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Installed in This.

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**GROUP 139.**

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ists.	820

**DEPARTMENT L.**

**GROUP 150.**

Exhibit No.	Class'n No.
159. Russian Treasury Bureau of Engraving and Printing, St. Petersburg. Typography, galvanoplastics and photographs.	858

**DEPARTMENT M.**

**GROUP 164.**

- 160. Mumrikov, I., Government of Vladimir. Sacred images.
- 161. Mumrikov, P., Government of Vladimir. Sacred images.
- 162. Pankryshev, Government of Vladimir. Sacred images.

**GROUP 173.**

- 163. Asiatic Russia, Section of.
  - a Collection of the Central Asian Exhibition, 1893, in Moscow.
  - b Collections of Mr. A. A. Nedikliaeff, Secretary of the Central Asian Exhibition's Committee.
  - c Collections of East Siberia, sent by the General Governor of Amoor District.
  - d Gloukhovskoy, A., Lieutenant-General, Chief of the Amoo-Daria expedition, St. Petersburg. Collections and photographs.
  - e Collections, sent by the General Governor of Turkestan.
  - f Donskoy, District of the Syr-Daria. Agricultural collections.
  - g Selesnev, district of Syr-Daria. Agricultural collections.
  - h Wvedensky, district of Syr-Daria. Silk thread and dried fruits.
  - i Minder, Merv oasis. Cotton.
  - j Sorokine, Moscow. Asiatic furniture.
  - k Bariloosov, St. Petersburg. Asiatic furniture, carpet and embroideries.
  - l Beroogashvilli, Kootais. Silk and woolen goods, embroideries in silver and gold, and other Asiatic articles.

## SIAM.

## LOCATION—SEC. A, BLOCK 3.

## Collective Exhibit.

## Collective Exhibit by the Siamese Government.

## DEPARTMENT A.

## GROUP 8.

Exhibit No.	Class'n No.
1. Siamese cigars.	52

## GROUP 17.

2. Elephants' tusks, plain and carved, buffalo horns, deer antlers, wild cows' horns, rhinoceros' horns, ceroulus' horns, horn of chelonias, etc. 90

## DEPARTMENT E.

## GROUP 42.

3. Gold, tin, iron and other ores; rubies, sapphires and other gems. 291

## DEPARTMENT H.

## GROUP 89.

4. Paper and Khoi books.

## GROUP 90.

5. Hat racks. 567

## GROUP 91.

6. China rice bowls and covers, full sets of rice and curry bowls, sets of perfumery cups and covers, sets of powder cups and covers, sets of tea cups and spittoons. 576
7. Earthen goblets, jugs, mortars, etc. 567

## GROUP 94.

8. Fancy scent bottles. 593

## GROUP 96.

9. Carvings of chess men, boxes, brushes, animals, cigar stands, and figures in ivory, wood, etc. 599

## GROUP 97.

10. Metal work, red gold articles, spittoons, tea pots and trays, saucers, cups, bowls, jugs, betel boxes and betel services, set with diamonds, spittoons set with diamonds. 604

## Exhibit No.

11. Gilded water bowls, trays and cups, betel sets and boxes, tea tray, medicine cups, belts and spittoons. 60
12. Gilded and enameled in blue water bowls, goblets, trays and covers, tea pots and tray, betel boxes and sets, toilet tray and set, cigar cases. 61
13. Silver articles; rice bowls and covers, Laos bowls, betel trays and sets, tea tray, spittoons, water bowls, urns, pots, cups and covers, vases, belts, toilet services, picnic case and snuff box. 62
14. Enameled, gilded, etc., bowls, ladles, salvers, urns, water pitchers, toilet sets, betel sets, spittoons, basins, vases, cigarette case, medicine cup and tray. 63
15. Brass utensils; bowls and trays, fruit knives, seed picks, spittoons, eating services, water bowls and dippers, betel mortars and pestles, engraved bowls and trays, rice pots and ladle. 64
16. Copper utensils; rice pots, cake pans and water pots. 65
17. Pearl inlaid work; salvers, sacrificial trays, boxes, plaques, betel trays, spittoons, medicine chest, inlaid tablets, bowls and cases. 66
18. Pottery; earthen stoves, pots, pans, mortars, figures of animals, flower pots and sets of perfumery pots. 5

## GROUP 101.

19. Mats of various sizes and materials.

## GROUP 108.

20. Laos umbrella.

## GROUP 110.

21. Lacquered boxes and bowls.
22. Shell and horn work.

## GROUP 111.

23. Tiger, leopard, deer, buffalo, cow, otter, armadillo, python, rays, rhinoceros and rabbit skins.

## Collective Exhibit.

GROUP 113.	Class'n No. 718	Exhibit No.	Class'n No.
e bow.		models of palace landing forts and palace landing building; priests' fans, bags and garments.	
GROUP 119.		31. Malay clothing; silk trousers, turban cloths, and silk jackets for men and women.	
aters' anvils and hammers, gs, wire mould, files, iron plane- cutting and hulling the betel r other uses.		32. Song Dam Laos; cotton scarfs and jackets for men and women; trousers.	
PARTMENT L.		33. Luang Prat Bang Laos; gold-threaded scarfs, skirts, quilts, bedspreads, and turban cloths.	
GROUP 151.		34. Puan Laos; men's and women's costumes.	
on of photographs and views.		35. Lu Laos; woman's skirt, man's jackets and trousers, laos bags and napkins.	
GROUP 153.	871	36. Chiangmai Laos; gold embroidered and common skirts.	
atter, illustrations, etc.		37. Mons; Indian hemp, raw and spun; various cloths, skirts, aprons, jackets, shoes and cap.	
GROUP 154.		GROUP 172.	
n sets of Siamese money.		38. Needle work; pillows, folding cushions, raised gold embroidery, tea cozy, silk caps, silk embroidered standing screens, silk hat covers, priest's bag and embroidered fruits, flowers, arms and historical scenes.	
GROUP 159.		39. Bead work; baskets, betel tray and set of nine pieces, tea cozy, biscuit box, bucket, small cups, flowers, game, photograph frames, chess board and set and saka board and set.	
drums, tambourine, violins, bals, oboe, organ and har-			
PARTMENT M.			
GROUP 160.			
f household utensils; models models of floating houses;			

## SPAIN.

## LOCATION—SECS. A, BLOCKS 1-2, AND B, BLOCKS 2-3.

Druggists' Supplies, Paints, Colors, Varnishes, Paper, Stationery, Furniture.

## GROUP 87.

Exhibit No.	Class'n No.
1. Alcober, Juan, Madrid. Pharmaceutical preparations.	547
2. Bachs, Hermanos, Badalona. Soaps.	549
3. Canalda, Foguet, Pablo, Tortosa. Elixir of hydro-iodide of hydrated trichloracetyl compound.	547
4. Casanovas y Ferran, Joaquin, Dos Hermanas. Orange flower water.	549
5. Cifuentes Huerta, Joaquin, Alcala de Henares. Cifuentes dentifrice.	547
6. Diez Salazar y Compania, Haro. Tartaric acid.	548
7. Fine y Camps, Ramon, Granollers. Syrup of bitter orange peel.	547
8. Font Pages, Jose, Barcelona. Soap, rice powder, etc.	549
9. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife, Canary Islands. Orange wine, etc.	547
10. Giner Alino, Bernardo, Valencia. Medicinal wines.	547
11. Ladoyer y Metge, San Pedro de Premia. Orange flower water.	549
12. Marques y Matas, R., Barcelona. Compound wine of oysters, etc.	547
13. Moreno, Hijos de, Corella. Cream of tartar.	548
14. Mundi y Giro, Santiago, Barcelona. Kola.	547
15. Musero Canadas y Compania. Murcia. Essential oils.	549
16. Pey y Mallol, Paulino, Figueras. Elixir of iron and quinine.	547
17. Prieto Justel, Agustin, Muelas de los Caballeros. Masa P. Justel.	547
18. Rodriguez y Hermano, L., Barcelona. Wine of iron.	547
19. Santa Barbara, Sociedad Anonima, Oviedo. Imitation gun powder and other explosives with cases.	550
20. Trulls y Roda, Jose, Barcelona. Orange flower water.	549

## GROUP 88.

21. Fedec y Temprado, Jose, Madrid. Incombustible varnish.	554
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Exhibit No.	Class'n No.
22. Felipe y Arroyo, Francisco, Madrid. Black ink.	552
23. Garcia Martinez, Manuel, Alicante. Varnishes.	554
24. Martin y Rodriguez, Eduardo, Madrid. Gold varnish.	555
25. Porta y Exposito, Juan, Barcelona. Submarine paint.	552
26. Pastor Sinarro, Fernando, Albacete. Spanish white.	552

## GROUP 89.

27. Costas, Sobrinos de Bartolome, Barcelona. Parchment and cigarette papers.	558
28. Guibout, Eugenio, Barcelona. Envelopes.	560
29. Madirolas y Codina, Ramon, Vich. Samples of bookbinding.	564
30. Pedrola y Badia, Antonio, Gracia. "Velografo Pedrola."	564
31. Tersol y Farriols, Jose, Barcelona. Samples of fine bookbinding.	564
32. Torras Hermanos (Sucesores de), Barcelona. Papers.	560
33. Torras y Juvinya, Salvador, Barcelona. Cigarette paper.	561
34. Torras y Morgat, Barcelona. Cigarette paper.	561

## GROUP 90.

35. Anido y Sanchez, Urbano, Santiago de Compostela. Carved chest.	571
36. Cid y Sola, Carlos, Barcelona. Outer blinds.	571
37. Clement Lopez, Francisco, Alicante. Wire mattress.	571
38. Coll Molas, Juan, Barcelona. Sectional ceilings.	571
39. Escaler y Ullastre, Benito, Barcelona. Papier-mache decorations.	571
40. Garcia y Portas, Barcelona. Mounted mirror.	578
41. Guisasola y Gaviola, Felipa, Madrid. Damascened vases for centerpieces.	571
42. Pascual Mate, Felix, Barcelona. Center table.	571

re, Ceramics, Art Metal Work, Glass, Carvings, Gold and Silver Ware, Silks.

	Class'n No.
Vaquero, Francisco, Murcia.	567
Hijo, Jaime, Barcelona.	569
Casadevall, Serapio, Barcelona.	570
Embroidered chasuble.	573
Garriga, Francisco. Wood	571
Valiente, Antonio, Barcelona.	567
Writing desk, renaissance.	567
Aló y Cortes, Juan, Barcelona.	569
And decorated frames.	569
Jose, Barcelona. Furniture	567
For Louis XV parlor, and for bed-	567

## GROUP 91.

Lez Caballero, Ramon, Badajoz.	574
Vases.	574
Hernandez, Buenaventura,	574
Bricks and tiles.	574
y Compañia, Vicente, Alicante.	578
s y Fradera, Carlos, Barcelona.	578
r Lafuente, Raimundo, Tardel-	574
iles and bricks.	574
Alvarez, Francisco, Sevilla.	574
ware.	574
e Ibañez, Castellon de la	578
les.	578
Compañia, Hijos de Jaime,	578
Tiles, etc.	578
Izquierdo, Jose, Sevilla.	578
ie, Hermanos y Compañia Jose,	574
Decorative tiles and ware.	574
Sola y Compañia, Barcelona.	580
y Compañia, Sevilla. Tiles.	578
gell, Valencia. Majolica.	578
ma, Venancio, Santander.	578

## GROUP 93.

Manuel, Barcelona. Forged	585
c.	585
Hijo de Ignacio, Barcelona.	585
bronze, iron, etc.	585
e Hijos, C., Barcelona. Art	585
iron.	585
oane, Jose, Badajoz. Bronze	585
585	
Ragull, Fernando, Barcelona.	585
585	

## GROUP 94.

Exhibit No.	Class'n No.
69. Diaz, Venancio R., Barcelona.	593
glassware.	593

## GROUP 95.

70. Amigó y Compañia, Hijo de Eudaldo R,	596
Barcelona. Stained glass work.	596
71. Rigalt y Compañia, A., Barcelona.	596
Stained glass work.	596

## GROUP 96.

72. Amigó y Compañia, Hijo de Eudaldo	602
R., Barcelona. Cut and engraved glass.	602
73. Anton Cabrejas, Pedro, and Anton	601
Rodrigo, Juan, Fuencaliente del Burgo.	601
Box of engraved horn.	601
74. Balmaña, Manuel, Barcelona. Metal	601
open work.	601
75. Baró y Servat, Damaso, Barcelona.	598
Wood carving.	598
76. Pallas y Puig, Francisco, Valencia.	599
Ivory carvings.	599
77. Riquer y Cia, A. Barcelona. Carved	598
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78. Slovet y Renart, Barcelona. Wood	598
carving.	598
79. Roca Alemany, Jose, Barcelona. En-	601
gravings.	601
80. Roses y Alsinas, Vicente, Barcelona.	598
Wood carving.	598
81. Serra, Francisco de Asis, Barcelona.	598
Wood carving.	598
82. Vayreda y Compañia, Olot. Religious	598
images in paper.	598
83. Vila y Roque, Francisco, Barcelona.	598
Wooden images.	598

## GROUP 97.

84. Guisasola y Gaviola, Felipa, Madrid.	608
Steel inlaid with gold and silver.	608
85. Sanchez y Diaz, Alejo, Madrid. Dam-	608
ascened steel, etc.	608

## GROUP 99.

86. G. y Zaldivar, M., Bilbao. Silver	617
watch, Louis XVI.	617
87. Guisasola y Gaviola, Felipa, Madrid.	619
Damascened steel watch cases.	619

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88a. Fabregas, Bojart (Cayetano), Barce-	625
lona. Silk.	625
88b. Faronda y Mandillo, Pedro de, Santa	625
Cruz de Tenerife, Canary Islands. Silk.	625
89. Monjo, Barcelona. Silk ribbons.	631
631	
90. Santonja, Hijos de Francisco, Barce-	631
lona. Ribbons.	631
91. Serra, Francisco de Asis, Barcelona.	630
Silk, velvet, etc.	630

## Vegetable and Other Fibres, Yarns, Woven and Felted Goods, Clothing, Furs, Laces.

## GROUP 101.

Exhibit No.	Class'n No.
92. Alier, Pedro, Barcelona. Hemp canvas.	634
93. Godó y Compañía, Barcelona. Jute fabrics.	633
94. Mas Hijos, Manuel, Crevillente. Fabrics of esparto.	635
95. Perez e Hijo, Jose. Barcelona, Esparto and pita mats.	635
96. Rovira y Compañía, Viuda de Juan, Barcelo. Oil cloths for all purposes.	636

## GROUP 102.

97. Castane y Masriera, Pedro, Barcelona. Linen goods.	639
98. Fabra y Portabella, Sociedad Anonima de los Sucesores de, Barcelona.	
a Cotton thread.	638
b Linen thread.	639
99. Ferrer y Vidal, Jose, Barcelona. Cotton goods.	638
100. Gonzalez Gragera, Juliana, Villafra de los Barros. Linen goods.	639
101. Lucena y Compañía, Sucesores de J. Barcelona. Colored cottons.	638
102. Marques, Caralt y Compañía, Barcelona. Linen thread.	639
103. Mulleras, Camilo, Barcelona. Colored cottons.	638
104. Parellada y Compañía, Barcelona. Cotton goods.	638
105. Salas, Puigmoler y Compañía, Barcelona. Cotton goods.	638
106. Santacana y Compañía, Villanueva y Geltru. White cotton goods.	638
107. Tolra, Viuda de Jose, Barcelona. Cotton goods.	638

## GROUP 103.

108. Dalmau Sanroma, Jose, Barcelona. Shawls.	640
109. Ferrer y Vidal, Jose, Barcelona. Worsted goods.	643
110. Gomez Rudulfo, Hijos de Jeronimo, Bejar. Woolen uniform cloth.	640
111. Gremio de Fabricantes de Sabadell, Sabadell. Woolen goods.	640
112. Instituto Industrial de Tarrasa, Tarrasa. Woolen goods.	640
113. Juan, Herederos de Vicente, Palma de Mallorca.	
a Woolen blankets.	642
b Casimirs.	643
114. Margui y Esquena Hermanos, Barcelona. Overcoat.	643
115. Pella Muñoz, Hermanos, Cuenca.	
a Woolen goods.	640
b Furs.	642

Exhibit No.	Class'n No.
116. Sampere, Hermanos de Pablo, Barcelona. Woolen yarns.	640
117. Sert, Hermanos e Hijos, Barcelona. Carpets, tapestry and woolen goods.	640
118. Torre, Jose de, Almenar.	
a Woolen cloth.	640
b Woolen shawls.	642
119. Verdu Candela, Jose, Alcoy. Felt.	119

## GROUP 104.

120. Aloe de Boullosa, Ana de, Santa Cruz de Tenerife, Canary Islands. Corsets.	658
121. Anllo, Aniceto, Cospeito. Shoes.	656
122. Ballesta, Felipa, Malaga. Sandals.	656
123. Cabot y Alabau, Mataro. Knit goods.	657
124. Escribano y Muñoz, Juan, Sevilla. Shoes.	656
125. Escuder y Castella, Miguel, Barcelona. Sewing machines	659
126. Fabregas y Farre, Pablo, Arbos. Straw caps.	654
127. Faugier, Narciso, Barcelona. Caps.	654
128. Fernández Palacio, Jose, Oviedo. Hunting boots.	656
129. Juan Justo, Valladolid. Corsets.	658
130. Lezcano y Ablanero, Lucila, Madrid. Hand-painted white wool waist.	653
131. Male, Miguel, Tarragona. Shoes.	656
132. Martin Lorenzo, Nicolas, Madrid. Coat.	652
133. Panduro y Compania, Burgos. Overcoat.	652
134. Sanchez Reina, Manuel, Badajoz. Frock coat.	652
135. Soler, J., Barcelona. Hats.	654
136. Trinchet y Sanchez, Luis, Barcelona. Hats.	654
137. Vidal, Juan, Barcelona. Shoes.	656
138. Viesca, Francisco, Oviedo. Shoes.	656
139. Zugasti, Candida y Aguirre, Polonia, Madrid. Corsets.	658

## GROUP 105.

140. Moreno Benito, Felix, Palma del Rio. Fur mats.	661
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## GROUP 106.

141. Carrasqueno de Gragera, Clarisa, Badajoz. Embroidered painting.	665
142. Fernandez y Gonzalez, Luisa, Madrid. Embroidery.	665
143. Fiter, Viuda e Hijo de Jose, Barcelona. Laces.	664

deries, Hair Work, Toys, Leather, Material of War, Miscellaneous Articles.

	Class'n No.
cia Mardones, Presentacion, Bil-	
mbroidery.	665
zalez Sanchez, Exuperancia,	
Rodrigo. Embroidery.	665
cano y Ablanedo, Lucila, Madrid.	
tery.	665
as y Compania, Barcelona. Lace	
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as y Mardomingo, Leopolda de,	
Embroidery.	665
u, Hermanos, Barcelona. Passa-	
for curtains, etc.	667
oz Chumillas, Antonio, Cuenca.	
flowers.	666
le Hijo, Jaime, Barcelona. Fans.	
	667
ona y Vives, Maria Ana, Bil-	
mbroidery.	665
llo, Emilia, Malaga. Tapestry.	
	670
o, Elvira, Cuenca. Embroidery.	
	665
lla, Hermanos, Barcelona, Em-	
	665

#### GROUP 107.

Canseco, Adelaida, Bilbao.	
	672
y Dou, Antonio, San Martin de	
s. Tortoise shell, combs, etc.	675

#### GROUP 108.

inestos, Jose, Gracia. Leather	
es.	680

#### GROUP 110.

Francisco, Santander. Fancy	
	694
Colomer, Juan, Gomez Batlle,	
Barcelona. Paper balloons.	695
Montaña, Juan, Barcelona.	
	693
o Hijo, Jaime, Barcelona.	
dolls.	693

#### GROUP 111.

try, Bernardo, Vivero. Hides.	
	696
y Vilaseca, Miguel, Barce-	
ed hides.	687
ssed leather.	705
saquin, Barcelona. Prepared	
	697

Exhibit No.	Class'n No.
166. Pons y Compania, Jose M., Barcelona.	
Tanned hides.	697
167. Serratosa, Pedro Simon, Barcelona.	
Art leather.	705

#### GROUP 113.

168. Carranza y Echevarria, Juan de,	
Madrid. Special apparatus for aiming	
and firing drill of great guns.	716
169. S. M. el Rey de España D. Alfonso	
XIII, Madrid. Compressed bronze can-	
non.	716

#### GROUP 114.

170. Closa Florensa, Jose, Barcelona.	
Gas lamps.	721

#### GROUP 117.

171. Viroso, Agustin, Lagoa. Hair sieves.	
	737

#### GROUP 118.

172. Santamaria, Arturo y Alfredo, Barce-	
lona. Corrugated steel gates.	743

#### GROUP 121.

173. Agueda Villar, Nicolas, Madrid. Silk	
applique on paintings.	
174. Carreras Alberich, Viuda e Hijos de,	
Barcelona. Carding combs and skeins	
for woven goods.	
175. Comas y Ricart, Sucesores de, Bar-	
celona. Playing cards.	
176. Codina y Sert., Gines, Barcelona.	
Colored plates.	
177. G. y Zaldivar, M., Bilbao-Begoña.	
Playing cards in silver case.	
178. Garcia Forras, Jaime, Barcelona.	
Playing cards.	
179. Gaza Soler, A., Barcelona. Military	
galloons and decorations.	
180. Lange y Campilloch, Eduardo, Barce-	
lona. Designs for cotton prints.	
181. Morante y Salas, Cuenca. Wax	
matches, imitation.	
182. Olea, Rodolfo, Cadiz. Playing cards.	
183. Oliva y Marti, Barcelona. Composi-	
tion busts and decorative work.	
184. Ribas y Vicens, Ramon, Mataro.	
Communion cloth.	
185. Roura y Presas, Juan, Barcelona.	
Playing cards.	
186. San Jose, Gervasio, Valladolid. Sur-	
gical appliances for deformed limbs.	

## SWEDEN.

## LOCATION—SWEDISH PAVILION.

## Druggists' Supplies, Paints, Colors, Stationery, Upholstery, Decorations.

Exhibit No.	GROUP 87.	Class'n No.
1.	Jönköpings Tändsticksfabriks Aktiebolag, Jönköping. Matches and mat'ls. 550	
2.	Kritbruksbolaget i Malmö, Malmö. Chalk. 544	
3.	Skanska Attikfabriken, Perstorp. a Organic and mineral acids. 548 b Chemists' and druggists' wares and supplies. 548	
4.	Södertelje Tändsticksfabrik, Södertelje. Matches. 550	
5.	Tändsticksfabriks Aktiebolaget Vulcan, Gothenburg. Matches and flaming lights. 550	

## GROUP 88.

6.	Aktiebolaget Barnängens Tekniska Fabrik, Stockholm. Inks. 552	
7.	Tekniska Aktiebolaget Flora i Gefle, Gefle. Inks. 552	

## GROUP 89.

8.	Anderson, N. B., Stockholm. Book-covers. 561	
9.	Beck, F., & Son, Stockholm. Articles of leather-intarsia. 561	
10.	Engstrand, Sophie, Stockholm. Samples of ruling, type-setting and hand printing. 561	
11.	Gustafsfors Fabrikers Aktiebolag, Gustafsfors. Wrapping paper. 558	
12.	Hedberg, Gustaf, Stockholm. Leather book-covers, cases, etc. 561	
13.	Herzog's, P., Bokbinderi och Bokforlags Aktiebolag, Stockholm. Bound hymn-books. 561	
14.	Hölmens Bruks & Fabriks Aktiebolag, Norrköping. Paper. 560	
15.	Lindmanasson, J. A. W., Stockholm. Book-covers. 561	
16.	Munksjö Aktiebolag, Jönköping. a Building boards and paper. 557 b Wrapping paper. 558	
17.	Munktells, J. H., Pappersfabriks Aktiebolag, Grycksbo. Filter-paper; samples and pulp. 556	
18.	Nilsson, Vitalis, Stockholm. Specimens of book-binding. 561	
19.	Tengwall, Andr., Helsingborg. Letter-file, index, and copying book. 564	

## GROUP 90.

20.	Ahrberg, Ebba, Upsala. Curtains. 568	
21.	Andersson, Aug., Stockholm. Mirror and picture frame. 569	
22.	Aktiebolaget, J. O., Weagströms Mekaniska Snickerifabrik, Stockholm. Parquet floor and panel. 571	

Exhibit No.	Class'n No.
23.	Almgren, J. R., Stockholm. Secrétaire and fireside settle. 567
24.	Atvidaberg Snickerifabrik, Atvidaberg. Oak parquet floors and panel. 571
25.	Beckman, Axel, Norrköping. Furniture. 567
26.	Berg, Edv., Stockholm. Painted ceiling. 571
27.	Bodafors Stol och Möbelfabrik, Sandsjö. Furniture. 567
28.	Brunsson, Johanna, Stockholm. Portiere and table cover. 568
29.	Erikson Bros., Arvika. Wardrobe and covered writing table. 567
30.	Gahne Hedda, Stockholm. Curtains and technics. 568
31.	Goransson, Ellen, Ystrad. Scanian textile fabric. 568
32.	Johansson, C. A., Wexjö. Chest of drawers of antique design. 567
33.	Johansson, Carl O., Stockholm. Furniture. 567
34.	Kulle, Thora, Lund. Portieres, tapestries, etc., of Scanian textures and designs. 568
35.	Löfgren, A. W., Örebro. Cabinet in renaissance style. 567
36.	Löfmark, L. O., Stockholm. Cabinet, clock case, panels, etc. 572
37.	Mattsson, A., Stockholm. Furniture. 572
38.	Olsson, Cilluf, Kjeftinga. Portieres, etc., of Scanian texture and design. 568
39.	Scholander, Sv., Stockholm. a Plaster mantel-piece. 570 b Stucco ceiling. 571
40.	Schöldström, Otto, Stockholm. Furniture. 567
41.	Schönow, C. L., & Co., Stockholm. Plaster-work & gilded door & panel. 570
42.	Svensk Konstslöjd Utställning, Stockholm. a Furniture in 16th century style. 567 b Portieres, etc. 568
43.	Svenska Slöjdföreningen, Stockholm. Suites of furnished rooms, showing development of art industry. 572
44.	Svensson, C. P., Stockholm. Book and clock cases; sofa. 572
45.	Widen, C. O. F., Stockholm. a Writing table. 568 b Church altar. 572

## GROUP 91.

46.	Bellio, Antonio, Stockholm. Table-top of mosaic work. 569
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**Mosaics, Monuments, Art Metal Work, Silk, Etc.**

Class'n No.	Exhibit No.	Class'n No.
m, Josephine, Stockholm.	66. Duben, Hertha Louisa von, Stock-	68. Duben, Hertha Louisa von, Stock-
porcelain; pyrotypic ornamented	holm. Wood carving.	holm. Wood carving.
577	598	598
äs Stenkolsbolag, The Sound.	69. Frisk, Elisabeth, Stockholm. Cabinet	69. Frisk, Elisabeth, Stockholm. Cabinet
and terra cotta articles.	and easel with portfolio.	and easel with portfolio.
575	598	598
ry.	70. Johansson, Hanna, Stockholm. Carved	70. Johansson, Hanna, Stockholm. Carved
574	chest, album and portfolio.	chest, album and portfolio.
ry articles.	598	598
576	71. Monthan, Maria, Stockholm. Carved	71. Monthan, Maria, Stockholm. Carved
l, Maria, Stockholm. Porce-	chair and chest; carved wood articles.	chair and chest; carved wood articles.
577	598	598
l, G., Börringe. Bricks and	72. Netzel, Sigrid, Stockholm. Carved	72. Netzel, Sigrid, Stockholm. Carved
tiles.	box.	box.
574	598	598
bergs Tegelbruks Aktiebolag,	73. Reijmyre Bruks Aktiebolag, Reijmyre.	73. Reijmyre Bruks Aktiebolag, Reijmyre.
g. Bricks and terra cotta	Exhibition cups for museums.	Exhibition cups for museums.
574	602	602
nds Aktiebolag, Stockholm.	74. Söderberg, Euphemia, Stockholm.	74. Söderberg, Euphemia, Stockholm.
re; porcelain, etc.	Carved box and portfolio.	Carved box and portfolio.
576	608	608
erga Stenkols & Lercindustri	75. Svensk Konstlofd Utställning, Stock-	75. Svensk Konstlofd Utställning, Stock-
g, Ekeby. Tiles and bricks;	holm. Carved articles.	holm. Carved articles.
pipes and chimneys.	598	598
574		
ra Stenkols Aktiebolag, Billre-		
brick-.		
574		
<b>GROUP 92.</b>	<b>GROUP 97.</b>	<b>GROUP 97.</b>
rs Stenhuggeri Aktiebolag,	76. Carlstein, P. A., Söderköping. Silver	76. Carlstein, P. A., Söderköping. Silver
Mantel.	toilet articles.	toilet articles.
583	607	607
fors Stenhuggeri och Sliperi,	77. Eriksson, Christian, Arvika. Silver	77. Eriksson, Christian, Arvika. Silver
s.	cup and cane head.	cup and cane head.
	607	607
e monuments.	78. Green, C. E., Nørregård. Fancy	78. Green, C. E., Nørregård. Fancy
581	spoons and engraved articles.	spoons and engraved articles.
ornaments.	607	607
582	79. Guldsmidesaktiebolaget, Stockholm.	79. Guldsmidesaktiebolaget, Stockholm.
g, Th., Stockholm. Mantel	Silver tableware.	Silver tableware.
583	605	605
ons, J. A., Porfyrverk, Orsa.	80. Hallberg, C. G., Stockholm.	80. Hallberg, C. G., Stockholm.
naments.	a Copy of cup given to Gustavus	a Copy of cup given to Gustavus
582	Adolphus by Nuremberg Protestants.	Adolphus by Nuremberg Protestants.
	604	604
<b>GROUP 93.</b>	δ Toilet set and cups; historical spoons.	δ Toilet set and cups; historical spoons.
Bernhard, Gothenburg. Buck-		
585		
. P. A., Söderköping. Brass	81. Menkaw, Anna, Stockholm. Drinking	81. Menkaw, Anna, Stockholm. Drinking
onze ornaments.	cup and goblets of copper Britannia	cup and goblets of copper Britannia
585	metal.	metal.
na Vapenfabriks Aktiebolag,	608	608
Decorative arms.	82. Mollenborg, Gustaf, Stockholm.	82. Mollenborg, Gustaf, Stockholm.
585	a Gold and silver articles.	a Gold and silver articles.
1, C., H., Stockholm. Vases,	δ Silver tableware.	δ Silver tableware.
cabinets with steel etchings.	605	605
585	83. Santesson, Fr. Abr., Stockholm.	83. Santesson, Fr. Abr., Stockholm.
W., Stockholm. Iron	Candle-sticks, drinking-cups, goblets,	Candle-sticks, drinking-cups, goblets,
585	etc., of pewter and Britannia metal.	etc., of pewter and Britannia metal.
	608	608
<b>GROUP 94.</b>	<b>GROUP 98.</b>	<b>GROUP 98.</b>
Bruks Aktiebolag, Reijmyre.	84. Carlman, C. F., Stockholm. Col-	84. Carlman, C. F., Stockholm. Col-
re for chemists.	lections of stars of Royal Swedish Orders	lections of stars of Royal Swedish Orders
590	of Knighthood.	of Knighthood.
lassware.	616	616
592	85. Hallberg, C. G., Stockholm. Silver-	85. Hallberg, C. G., Stockholm. Silver-
lassware.	gilt jewelry in Swedish national style.	gilt jewelry in Swedish national style.
593	616	616
<b>GROUP 96.</b>	<b>GROUP 99.</b>	<b>GROUP 99.</b>
get Universal-Svarfveriet,	86. Halda Fickurfabriks - Aktiebolag,	86. Halda Fickurfabriks - Aktiebolag,
arved umbrella and parasol	Svängsta. Watches and parts. Timing	Svängsta. Watches and parts. Timing
598	apparatus.	apparatus.
598	617	617
y, Linköping. Carved cab-	87. Linderoth, G. W., Stockholm. Clocks	87. Linderoth, G. W., Stockholm. Clocks
598	and chronometers.	and chronometers.
August, Falun. Carved	621	621
598		
	<b>GROUP 100.</b>	<b>GROUP 100.</b>
	88. Almgren, K. A., Stockholm. Up-	88. Almgren, K. A., Stockholm. Up-
	holstery silk.	holstery silk.
	629	629
	89. Jonsson, Mrs. Hilma, Stockholm.	89. Jonsson, Mrs. Hilma, Stockholm.
	Silk underbodies.	Silk underbodies.
	630	630

## Linen, Woolens, Furs, Laces, Toys, Leather, Material of War.

Exhibit No.	Class'n No.
90. Lennings, John Vafskola, Norrköping.	629
Upholstery silk; silk wall covering.	

## GROUP 102.

91. Askenström, Catharina, Svenstorp.	638
Unbleached cloth.	
92. Brunsen, Johanna, Stockholm.	639
damask table cover.	
93. Engeström, Nina v., Upsala.	639
Tablecloths, napkins, towels, aprons and carpet.	
94. Handarbetets Vänner, Stockholm.	639
Counterpanes.	
95. Kulle, Thora, Lund.	638
Cotton aprons.	
96. Olsson, Christina, Walla.	639
Linen yarn.	
97. Olsson, Cilluf, Kjöfinge.	639
Door cloths.	
98. Sparre, Caroline, Westervik.	639
Linen yarn.	
99. Sparre, Sophie, Westervik.	639
Linen yarn.	

## GROUP 103.

100. Olsson, Cilluf, Kjöfinge.	642
Blankets.	
101. Handarbetets Vänner, Stockholm.	649
Woolen carpet.	
102. Handarbetets Vänner, Stockholm.	646
Upholstery goods.	
103. Bengtsson, Karna, Ystad.	649
Carpets, techniques.	
104. Kulle, Thora, Lund.	641
Woolen stuffs; woolen aprons.	
105. Lindgren, Annie, Stockholm.	649
Carpets and techniques.	

## GROUP 104.

106. Husvarna Vapenfabriks Aktiebolag.	659
Sewing machines.	

## GROUP 105.

107. Carlsson, A., Stockholm.	660
Bear's	
108. Carlsson, D., Sons & Co., Stock-	661
Age covers, fur rugs, etc.	
109. Carlsson, D., Sons & Co., Stock-	662
Fur garments.	

## GROUP 106.

110. Wilhelmsson, Stockholm.	665
Knitted	
111. Askenström, Catharina, Svenstorp.	664
Knitted	
112. Handarbetets Vänner, Stockholm.	665
Knitted	
113. Hilda, Stockholm.	666
Artificial	
114. Sara, Stockholm.	665
Knitted	

Exhibit No.	Class'n No.
114. Nilsson, Emilie, Wermland.	665
Linen towels; "shepherd girl's work."	
115. Nordenfalk, Elisabeth, Stockholm.	664
a Imitation Venetian lace.	
b Imitation Venetian lace fans.	667
116. Nordenfeldt, Maria, Gothenburg.	669
Screen; silk embroidery.	
117. Nordgren, Johanna, Gefle.	665
Knitted counterpanes.	
118. Norrman, Hilda, Gefleborg.	665
Home-stitched sheets.	
119. Ostholm, A., Norrköping.	664
Vadsten and pillow-lace.	
120. Risling, Maria, Nassjo.	664
Lace border for handkerchief.	
121. Rönström, Hilda, Lund.	665
Embroideries.	
122. Rudbeck, Hildur, Upsala.	669
Hearth cushion.	
123. Stange, Elisabeth, Stockholm.	665
Gal-pure workcloth.	
124. Svensk Konstslöjd Utställning.	665
Stockholm. Embroidery, Lapp-costume, wall hangings, table covers, cushions.	
125. Uhlin, Ebba, Wadstena.	665
Thread buttons.	
125a. Zickerman, Lilli, Skövde.	665
Embroidered cushion and tablecloth.	

## GROUP 110.

126. Ekstam, Josephine, Stockholm.	665
Fancy articles of wood and leather.	
127. Kræpelin, Emma, Stockholm.	665
Dolls in national costumes.	
128. Santesson, Fr. Abr., Stockholm.	665
Toys.	

## GROUP 111.

129. Lindberg, Lydia, Stockholm.	705
Embossed leather for chairs.	
130. Nordquist, Marianne, Stockholm.	705
Embossed leather album.	
131. Wrede, Hilda, & Agathe, Wexio.	705
Embossed and gilt leather covering for chair.	

## GROUP 113.

132. Aktiebolaget Bofors Gullspång.	714
Bofors. Ingots and shot for cannon; war materials.	
133. Aktiebolaget Finspångs Styrkebruk.	714
Skonnarbo. Mounted cannon and shot.	
134. Fagersta Bruks Aktiebolag, Westas-	714
fors. Gun barrels.	
135. Husvarna Vapenfabriks Aktiebolag.	714
Jönköping.	
a Military small arms.	
b Hunting carbines and guns.	718
136. Jernkontorets Kollektivutställning.	718
Stockholm.	
a Military small arms.	
b Heavy ordnance.	

oking Apparatus, Wire Work, Wrought Iron, Hardware, Plumbing.

	Class'n No.	Exhibit No.	Class'n No.
ag & Co., Mølartorp. Cut and pons.	717	156. Hedengran & Son, Eskilstuna. Pocket knives.	751
<b>GROUP 114.</b>		157. Halling, A., Eskilstuna. Daggers and knives.	751
, Otto, & Co., Stockholm. Can- gils, bronze, and electrolier.	722	158. Heljestränd, C. V., Eskilstuna. Razors.	751
<b>GROUP 115.</b>		159. Hufts Bruk, Aby. Axes.	748
on, J. V., Stockholm. Oil uge and soldering heater.	729	160. Jernkontorets Kollektivutställning, Stockholm.	
1, E. A., Stockholm.		a Builders' hardware.	747
stove.	728	b Axes, adzes, etc.	748
oleum stove.	729	c Edge tools of various descriptions.	749
<b>GROUP 117.</b>		161. Jonsson, A. J., Eskilstuna. Pocket knives.	751
laget Finspongs Styckebruk, Wire netting and wire cloth.	735	162. Liljequist, P., Eskilstuna. a Blades for planing machines.	749
storets Kollektivutställning, Wire cloth.	735	b Saws.	750
<b>GROUP 118.</b>		163. Lindström, E. F., Eskilstuna. Tonge.	752
laget Finspongs Styckebruk, Horse shoes.	746	164. Näsman, E. A., Eskilstuna. Locks and door handles.	747
ers Jernverk, Degerfors. Arti- t iron.	744	165. Öberg, C. O., & Co., Eskilstuna. Files and rasps.	759
storets Kollektivutställning, Horse shoes and crude forg-	746	166. Sandvikens Jernverks Aktiebolag, Sandviken.	
nmars Bruk, Aktiebolag.		a Band saws and uncut bands.	750
essed steel plates for milk etc.	746	b Anvils.	752
<b>GROUP 119.</b>		167. Söderfors Bruks Aktiebolag, Söder- fors.	
laget Finspongs Styckebruk, tacks, etc.	747	a Files.	750
and implements for lumber ry.	748	b Tools.	752
for working stone.	749	168. Sørensen, N. G., Stockholm. Locks and door handles.	747
s.	752	169. Stenman, Aug., Eskilstuna. Build- ers' hardware.	747
laget Österby Bruk, Österby. machines and tools.	752	170. Stora Kopparbergs Bergslags Aktie- bolag, Falun.	
A., Eskilstuna. Razors, etc.	751	a Horse shoe nails.	747
n, Carl W., Eskilstuna. Scis- und case knives; skates.	751	b Tools.	752
n, Joh., Eskilstuna. Razors	751	171. Stridsberg & Björck, Trollhattan. a Machine and plane knives.	749
na Jernmanufaktur Aktiebo- na. Table cutlery and shears.	751	b Saws and files.	750
a Bruks Aktiebolag, Westan- es, springs and tools.	752	172. Uddeholms Aktiebolag, Uddeholm. a Screws, wire nails, steel springs, horse shoe nails, etc.	747
ca Jernverks Aktiebolag, Tools.	752	b Sledges, hammers, locksmiths' an- vils, etc.	752
ns Hadar Kniffabriks Ak- ilstuna. Pocket knives.	751	<b>GROUP 120.</b>	
15		173. Höganas Stenkolsbolag, Skane. Pipes, tubes and troughs.	754
		174. Skromberga Stenkols Aktiebolag, Ekeby. Sewer pipes.	754
		<b>GROUP 121.</b>	
		175. Strindberg, A. G., Stockholm. Flags with flag-staffs and acorns.	
		176. Liljeblad, A. G., Stockholm. Painted escutcheons for decoration.	

## Miscellaneous.

## Exhibits Classified in Other Departments.

## DEPARTMENT L.

## GROUP 147.

Exhibit No.	Class No.
177. Ekstrand, E. G., Stockholm. Gymnastic apparatus.	825
178. Gymnastic and Fencing Club of Stockholm, Stockholm. Fencing materials, literature and photographs.	825
179. Gymnastic Society of Stockholm, Stockholm. Gymnastic apparatus, photographs and literature.	825
180. Kuntz & Co., Ltd., Stockholm. Water filters.	829
181. Posse, Nils, Boston. Gymnastic apparatus, drawings and photographs.	825
182. Royal Institute of Gymnastics, Stockholm. Gymnastic implements, photographs, drawings, etc. (Also in separate building.)	825
183. Vibrator Co., Ltd., Stockholm. Vibrator movement cure apparatus.	825

## GROUP 148.

184. Engstrom, Joh., Eskilstuna. Universal dental forceps.	839
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## GROUP 149.

185. Agricultural Society of the Province of Blekinge, Blekinge. Articles of wood, bone, textiles, etc.; models and drawings of wood and sloyd work.	847
186. Alnarp Blacksmiths' School, Akarp. Material for instruction in horse-shoeing.	847
187. Hallgren & Sundell, Stockholm. Plastic reproductions of mushrooms, for use in public schools.	850
188. Lewnings, John, Norrköping. Specimens of silk and gold hangings made by pupils of his weaving school.	847
189. Lundin, Hulda, Stockholm. Models of system of teaching needle work in schools.	843
190. Melander, A. E., Stockholm. Kalkograph for tracing drawings and making blue-prints.	852
191. Naas Normal School for Training Sloyd Teachers, Naas. Models, charts, literature, photographs, etc., of sloyd carpentry.	844
192. Technical School of Eskilstuna, Eskilstuna. Articles of steel, chased, etched and forged by pupils of the school.	847

Exhibit No.	Class No.
193. Technical School of Stockholm, Stockholm. Drawings, models and pupils' work in metal, wood, leather, porcelain, glass, clay, etc., decorative painting.	871

## GROUP 150.

194. Beijer, F. & G., Publishing Co., Ltd., Stockholm.	
a Books and prints.	884
b Maps.	884
195. Bonnier, Albert, Stockholm. Books and prints.	884
196. Dahlman, C. E. Stockholm. Atlas of Sweden.	884
197. Economic Survey of Sweden, Stockholm. Topographical maps, books, etc.	884
198. Fahncrantz & Co., Stockholm. Books.	884
199. Fritze, C. E., Stockholm. Books.	884
200. Geological Survey of Sweden, Stockholm. Geological maps and publications.	884
201. Horlin, Hugo, Stockholm. Industrial Art Journal.	884
202. Mittag-Leffler, G., Stockholm. Acta Mathematica, a scientific journal.	884
203. Norstedt, P. A., & Sons Co., Ltd., Stockholm.	
a Scientific works.	884
b School books.	884
c Materials for instruction, atlas; and wall maps.	884
204. Royal Hydrographic Office, Stockholm. Charts and coast views.	884
205. Topographic Division of the General Staff, Stockholm. Topographic maps; astronomic and geodetic works.	884

## GROUP 151.

206. Ahlberg & Ohlsson, Stockholm. Surveying instruments.	887
207. Blomquist, C. G., Lulea. Photographs.	871
208. Generalstabens Topografiska Afdelning, Stockholm.	
a Astronomic instruments.	887
b Geodetic instruments.	887
209. Hadar Hallström Knife Manufg Co., Ltd., Eskilstuna. Mathematical instruments.	887
210. Jonason, A., Gothenburg. Photographs.	871
211. Linderoth, G. W., Stockholm. Chronometers.	871
212. Mars Company, Ltd., Stockholm. Range finder for military and topographical surveying.	887

Miscellaneous.

Class No.	Exhibit No.
A., Östersund. Photographs.	871
O., Östersund. Photographs.	871
and, R., Stockholm. Photo-	871
g. Axel & Co., Karlsborg.	871
g. K. H., Strängnäs. Celestial	866
glass with horizon in liquid.	866
rom & Widstrand, Stockholm.	871
us.	871
<b>GROUP 152.</b>	
an, G., Stockholm. Swedish	889

Class No.	Exhibit No.
<b>GROUP 154.</b>	
220. Eskilstuna Wood Working Co., Ltd.,	898
Eskilstuna. Show case.	898
<b>GROUP 155.</b>	
221. Lindell, Per., Stockholm. Collection	909
of autographs and portraits of eminent	909
persons.	909
<b>GROUP 158.</b>	
222. Ahlberg & Ohlsson, Stockholm. Brass	932-934
musical instruments.	932-934
223. Systrom, O., Stockholm. Hymnol-	997
ogy and music.	997
224. Hagdahl, Joh., Karlskrona. Piano.	930

SWITZERLAND.

LOCATION-SEC. B, BLOCK 1.

Chemicals and Druggists' Supplies, Glass, Carvings.

Class No.	Exhibit No.
<b>GROUP 87.</b>	
Ph., Berne. Pharmaceutical	587
of Chemical Industry, Basle.	586
<b>GROUP 94.</b>	
er L., Ryon. Glass-bricks for	591
poses.	591
<b>GROUP 95.</b>	
Ad., Zurich. Stained-glass	596
<b>GROUP 96.</b>	
& Cie, Meiringen. Wood	598
Seiler, Iseltwald. Wood	598
Joh, Brienz. Wood carv-	598
Jakob, Brienz. Wood	598
Peter, Brienzwyler. Wood	598
Andreas, Brienz. Wood	598
d., & Co., Brienz. Wood	598
Sculpture, Brienz. Wood	598

Class No.	Exhibit No.
13. Flück, Peter, Hofstetten. Wood carv-	598
ings.	598
13a. Flück, Peter, Schwanden. Wood	598
carvings.	598
14. Fuchs, Caspar, Brienz. Wood carv-	598
ings.	598
15. Fuchs, Peter, Brienz. Wood carvings.	598
16. Gander-Ludi, Brienz, Wood carvings.	598
17. Gertsch, Joh, Hofstetten. Wood carv-	598
ings.	598
18. Grossman, A., Interlaken. Wood	598
carvings.	598
19. Huggler-Jäger, Brienz, Wood carv-	598
ings.	598
20. Huggler, Joh., Brienz. Wood carv-	598
ings.	598
21. Hunziker, Jak., Brienz. Wood carv-	598
ings.	598
22. Knittel, Otto, Meiringen. Wood carv-	598
ings.	598
23. Kehrli, Joh., Mühlestalden. Wood	598
carvings.	598
24. Kehrli-Michel, Bonigen. Wood carv-	598
ings.	598
25. Michel, Christian, Ringgenberg. Wood	598
carvings.	598
26. Michel-Grossman, Brienz. Wood carv-	598
ings.	598

## Carvings, Jewelry, Horology.

Exhibit No.	Class'n No.
27. Michel, Peter, Bönigen. Wood carvings.	598
28. Michel-Wütrich, Brienzi. Wood carvings.	598
29. Müller, Karl, Hofstetten. Wood carvings.	598
30. Rachelli, Bönigen. Wood carvings.	598
31. Roggero, Ernst, Brienzi. Wood carvings.	598
32. Ruof, Peter, Brienzi. Wood carvings.	598
33. Schild, Gebrüder, Hofstetten. Wood carvings.	598
34. Schmidiger, Joseph, Brienzi. Wood carvings.	598
35. Schmidiger, Anton, Brienzi. Wood carvings.	598
36. Schneiter, Joh, Brienzi. Wood carvings.	598
37. Schwalb, Brienzi. Wood carvings.	598
38. Simon, Christoff, Brienzi. Wood carvings.	598
39. Société pour l'Industrie de la Sculpture, Brienzi. Wood carvings.	598
40. Stahli, Kaspar, Brienzi. Wood carvings.	598
41. Wick, Jak., Brienzi. Wood carvings.	598
42. Zumbrunn, Chr., Ringgenberg. Wood carvings.	598
43. Zumbrunn, Peter, Ringgenberg. Wood carvings.	598

## GROUP 98.

44. Chopard, Adhémar, Bienne. Jewelry.	612
45. Ferrero, J., Geneva. Jewelry.	612
46. Glatou, A., Geneva. Jewelry.	612

## GROUP 99

47. Bachmann, L., Geneva. Watches.	617
48. Bahni & Cie, Bienne. Hair springs.	618
49. Baume, Alcide, Les Bois. Watches.	617
50. Borel & Courvoisier, Neuchâtel. Watches.	617
51. Borgel, F., Geneva. Watches.	617
52. Borloz & Noguét-Borloz, Vallorbes. Files.	620
53. Boulanger, Maillard & Cie, Geneva. Watch dials.	618
54. Chatelain, Fritz, Neuchâtel. Watches.	617
55. Clémence-Beurret, Eugène. La Chaux-de-Fonds. Watches.	617
56. Couleru-Meuri, Ch., La Chaux-de-Fonds. Watches.	617
57. Dégallier, C., Geneva. Watches.	617

Exhibit No.	Class'n No.
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79. Moré & Méroz, Geneva. Watch dials.	618
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81. Parleiry, Eugène, Geneva. Watch oil.	618
82. Patek, Philippe, & Cie, Geneva. Watches.	617
Makers of fine, plain and complicated watches in 15 different sizes. For sale by Spaulding & Co. (Incorporated), State and Jackson Streets, Chicago, exclusive agents for Chicago.	
83. Perret, Ulysse, Renan. Mainsprings.	617
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## TURKEY.

LOCATION—SEC. B, BLOCK 2.

## Collective Exhibit.

Collective Exhibit by the Imperial Ottoman Commission.

## DEPARTMENT A.

## GROUP 1.

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1. Imperial Ottoman Commission, Adana.	
<i>a</i> Barley.	1
<i>b</i> Millet.	4
2. Imperial Ottoman Commission, Adrianople.	
<i>a</i> Kuzeh and winter wheat.	1
<i>b</i> Red and white maize.	2
<i>c</i> Katuldja barley.	4
<i>d</i> Sesame.	7
3. Imperial Ottoman Commission, Bagdad. Rice and red rice.	6
4. Imperial Ottoman Commission, Beyrouth.	
<i>a</i> Wheat.	1
<i>b</i> Barley.	4
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Barley.	4
6. Imperial Ottoman Commission, Bitlis.	
Wheat.	1
7. Imperial Ottoman Commission, Bordor.	
<i>a</i> Wheat.	1
<i>b</i> Oats.	3
<i>c</i> White barley.	4
<i>d</i> Cracked wheat.	11
8. Imperial Ottoman Commission, Dardanelles.	
<i>a</i> Oats.	3
<i>b</i> Barley.	4
9. Imperial Ottoman Commission, Diarbekir.	
<i>a</i> Summer wheat.	1
<i>b</i> Rice.	6
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10. Imperial Ottoman Commission, Drach.	
<i>a</i> Wheat.	1
<i>b</i> Barley.	4
<i>c</i> Rye.	5
11. Imperial Ottoman Commission, Eish-tep. Hard wheat.	1

Exhibit No.	Class'n No.
12. Imperial Ottoman Commission, Hudevendighiar.	
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<i>b</i> Corn.	3
<i>c</i> Oats.	3
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<i>b</i> Djefri corn.	2
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<i>e</i> Tenaf chickweed.	9
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15. Imperial Ottoman Commission, Lapiski. Oats.	3
16. Imperial Ottoman Commission, Masmuret-ul-Aziz. Wheat.	1
17. Imperial Ottoman Commission, Salonica.	
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<i>b</i> White maize.	2
<i>c</i> Barley.	4
18. Imperial Ottoman Commission, Sinope.	
<i>a</i> Oats.	3
<i>b</i> Barley.	4
19. Imperial Ottoman Commission, Smyrna.	
<i>a</i> Wheat.	1
<i>b</i> Oats.	3
<i>c</i> Barley.	4
<i>d</i> Rye.	5
<i>e</i> White millet seed.	8
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22. Imperial Ottoman Commission, Uskub.	
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<i>b</i> White and yellow maize.	2
<i>c</i> Barley.	4
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<i>b</i> Millet.	8

**Collective Exhibit.**

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	Class'n No.
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Shehir.	
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desk and book case. 572

Class'n

**GROUP 2L**

**CRIT 22**

1992

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17.

— **THE**

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100

1

spoons.  
b Silver coffee cup holders, silver gilt  
scarf pins, brooches, bracelet, cuff  
studs and watch stand (tower of  
Galata) and silver gilt and enam-  
elled chatelaine penknives and  
cigarette cases.

**251. Tchiboukjian & Co., Constantinople**  
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gold cigarette case set with diamonds. 61

and figured damask piece goods.      6

## Collective Exhibit.

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ji Bekir, Aleppo. Head covers of gold.	630	275. Imperial Ottoman Commission, Sivas.	
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erial Ottoman Commission, Ama-		b Striped silk dress goods and curtain.	629
tin dress goods, white and colored k.	628	c Silk handkerchiefs and bed cover.	630
k print and dress goods; silk th with flowers.	629	276. Imperial Ottoman Commission, Syria.	
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rial Ottoman Commission, An- k soff of various colors.	628	b Talis upholstery, gilt and yellow silk curtains, silk Sultanieh, Koutny and Keremsut cloth and upholstery goods.	629
rial Ottoman Commission, Bag-		c Silk handkerchiefs, sashes, cushions, pillow and table covers and keofias for the head.	630
c cloth for gowns.	629	277. Imperial Ottoman Commission, Tcha- taldja. Silk bedding and silk bordered napkins.	630
t and gold keofia for covering head.	630	278. Imperial Ottoman Commission, Tre- bizon.	
rial Ottoman Commission, Bali blue and red silk soff.	644	a Silk shirtings.	628
rial Ottoman Commission, Bey-		b Silk head cover.	630
ite satin and silk, colored satin white satin with silk stripes.	628	279. Mihal, Gorky, Salonica. Silk bu- rundjuk and bed spread.	630
ite silk agil and blue and black aba cloths, rose silk table cover, les, ladies' scarfs and sashes, silk dress goods, silk head ers for ladies and silk veiling.	630	280. Salih, Bagdad. Light red cover for the head, in gold.	630
tassel.	632	281. Shirketi Iptidaieh, Kastamonni.	
al Ottoman Commission, Diar-		a Silk dress goods.	629
silk.	625	b Silk bed cover.	630
ng silk.	626	282. Thodoraki, Madame, Adrianople.	
y and yellow and dark blue ra cloth.	629	a Silk cloth.	629
head covers and gold and sil- es for head covers.	630	b Silk goods for shirts, pillow covers, scarf, silk handkerchief and neck- tie and antique crape shirt.	630
rimmings.	632		
al Ottoman Commission, Egin.			
or silk cloth, white and blue g and black silk goods for	628		
l Ottoman Commission, Ma- ziz.			
e raw silk.	625		
carfs and handkerchiefs.	630		
l Ottoman Commission, Sa- silk samples.	625		
l Ottoman Commission,			
ark red cloth.	628		

## GROUP 101.

283. Imperial Ottoman Commission, Bey- routh. Cloth woven in silver; gold woven satin. 637
284. Imperial Ottoman Commission, Egin. White hemp cloth. 634
285. Imperial Ottoman Commission, Sivas. Cover woven in gold. 687

## GROUP 102.

286. Abdul Cadir, Aleppo. Bed-room set complete and pillow cover. 638
287. Bagdad Industrial School, Bagdad.
- a Yazma hamam or bathing sheet and cover, furniture covering, blue cloth for gowns, checked cloth for covers and yellow and red cloth. 638
- b Napkin. 639
288. Hasean Agha, Bourdour. White linen cloth.

DEPARTMENT H.—MANUFACTURES.

Collective Exhibit.

Exhibit No.	Class No.	Exhibit No.	Class No.
301.	Imperial Ottoman Commission, Am- White head cover, bath apron, cotton cover, shutting and bath room set.	301. Imperial Ottoman Commission, Tchataldja. Cotton cloth, towels and	
302.	Imperial Ottoman Commission, Bag- Penny checked and gilt cloth for cover, brown and white cloth for diap.	302. Imperial Ottoman Commission, Trif- lend. White cotton cloth and s	
303.	Imperial Ottoman Commission, Diar- Cotton and dress goods and table cover and	303. Imperial Ottoman Commission, Ca- kaly. Green thread.	
303a.	Imperial Ottoman Commission, Egn- Cotton cover	303a. Khristo, Madame. Adriatic and s's bordered cloth.	
304.	Imperial Ottoman Commission, Cotton cover	304. Marga, Adriatic. Cotton	
305.	Imperial Ottoman Commission, Cotton cover	305. Mihal, Gorky, Salomica Cotton and dress goods and	
306.	Imperial Ottoman Commission, Cotton cover	306. Marmar, Egnat. Summer	
307.	Imperial Ottoman Commission, Cotton cover	307. Sarmar, Egnat. Summer	
308.	Imperial Ottoman Commission, Cotton cover	308. Stavro, M. S. Summer	
309.	Imperial Ottoman Commission, Cotton cover	309. Sarmar, Egnat. Summer	
310.	Imperial Ottoman Commission, Cotton cover	310. Theodoraki, Egnat. Summer	
311.	Imperial Ottoman Commission, Cotton cover	311. Theodoraki, Egnat. Summer	
312.	Imperial Ottoman Commission, Cotton cover	312. Theodoraki, Egnat. Summer	
313.	Imperial Ottoman Commission, Cotton cover	313. Theodoraki, Egnat. Summer	
314.	Imperial Ottoman Commission, Cotton cover	314. Theodoraki, Egnat. Summer	
315.	Imperial Ottoman Commission, Cotton cover	315. Theodoraki, Egnat. Summer	

## Collective Exhibit.

Class'n No.	Exhibit No.	Class'n No.
Andria, P., & Co., Smyrna. Carpets. 649	rugs; Schermeh, Sadie and Sarah lin rugs; Kurdish cushions. 649	
Field & Co., oriental rug depart- ment agents for Chicago. 649	337. Imperial Ottoman Commission, Kos- sova. Goat's hair sack. 651	
at, Dardanelles. 642	338. Imperial Ottoman Commission, Maamuret-ul-Aziz. 641	
ed cover. 649	a Dress goods; bed, cushion, table and sofa covers; cloth for trousers. 641	
ayer rug. 649	b Woolen divan covers. 646	
nanch Factory, Constantinople. 641	c Carpet and prayer rug. 649	
oadcloth of various colors, coarse Ayaba cloth, fine flannel and cas- simeres. 651	339. Imperial Ottoman Commission, Mal- atia. Teklia cheviots. 644	
mel's hair Aba cloth. 651	340. Imperial Ottoman Commission, Mon- astir. Red blanket. 642	
iar, Madame, Adrianople. Woven 641	341. Imperial Ottoman Commission, Sin- ope. Silk and cotton mixed towel. 643	
ida Enfekani, Tripoli. Woolen 647	342. Imperial Ottoman Commission, Sivas. Prayer rugs and carpets. 649	
rial Ottoman Commission, Adana 649	343. Imperial Ottoman Commission, Syria. a Aba cloth for gowns. 641	
rial Ottoman Commission, Aidin. 641	b Cotton and silk Aba cloth. 643	
ess goods and Mohadjir aladjassi 642	344. Imperial Ottoman Commission, Tchataldja. 642	
gs. 642	a Crochet shawl. 642	
apery. 646	b Kiz Killim rug. 649	
rial Ottoman Commission, 649	345. Imperial Ottoman Commission, Tre- bizond. 641	
Prayer rug. 649	a Woolen dress goods. 641	
rial Ottoman Commission, An- 642	b Woolen head cover. 642	
hair shawl. 642	346. Imperial Ottoman Commission, Tri- poli, Africa. Woolen blankets. 642	
rial Ottoman Commission, Bali 644	347. Imperial Ottoman Commission, Us- kub. 641	
Cheviots. 644	a Black and gray Aba cloth. 641	
rial Ottoman Commission, Bey- 643	b Cheviots. 644	
woolen agil cloth. 641	348. Ishrabbo, Ivan, Salonica. Red dress goods and dark blue cloth. 641	
ore shawl. 642	349. Ivan, Ki, Salonica. Cheviots. 644	
on and silk mixed cloth. 643	350. Khristo, Miss, Adrianople. Woven goods. 641	
ial Ottoman Commission, Biths. 646	351. Kiazim, Adrianople. Black and yel- low cheviots. 644	
cover. 649	352. Marigo, Madame, Salonica. Goats' hair rug. 641	
yer rug. 649	353. Michalongo, Salonica. 641	
ial Ottoman Commission, Diar- 642	a Woolen cloth and flannel. 641	
ped woolen and mohair Aba 641	b Cheviots. 644	
b, printed woolen bed covers 641	354. Mina, Madame, Salonica. Dress goods. 641	
dress goods. 641	355. Mohammed, Bush Ali, Tripoli. White woolen bed covers. 642	
ish rug and Felig and em- 642	356. Nouri, Konia. Spangled and yellow, red and gold striped cloth. 641	
dered shawls. 642	357. Saideh Hanum, Tripoli. White and red woolen blanket. 642	
ial Ottoman Commission, Egin. 641	358. Shirketi Iptidaieh, Kastamouni. a Woolen cloth for gowns. 641	
black striped and dark dress 643	b Cotton and silk mixed goods. 643	
is. 641	c Upholstery cloth. 646	
pillow cover and Turkey red 643		
and green striped cloth and 644		
k striped cloth for trousers. 644		
al Ottoman Commission, Konia. 641		
te and red woolen sashes, 641		
es' sashes and dress goods. 641		
meres. 643		
l, Schermeh, Isamou and Aka- 641		
carpets; woolen prayer rug 643		
coat of arms; Kurdish prayer 646		

## Collective Exhibit.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
360. Valchou Agha, Adrianople. Dark blue, black and yellow Aba cloth.	641	381. Imperial Ottoman Commission, Konia. <i>a</i> Children's short pants.	638
361. Yoovan, Adrianople. Cheviots.	644	<i>b</i> Mohair felt and white wool caps.	639
362. Yoovan Agha, Constantinople. Prayer cloth.	649	<i>c</i> Camel drivers' boots.	640
363. Yussuf, Ben Hu, Tripoli. Yellow and green blankets.	642	<i>d</i> Muffler.	641
<b>GROUP 104.</b>		382. Imperial Ottoman Commission, Konia. <i>a</i> Vest, jacket and trousers made of Aba cloth.	642
364. Abd-ul-Rezak, Bagdad. Gray burnous.	653	<i>b</i> Stockings for men and women, and flannel underwear.	643
365. Anno, Salonica. Woolen stockings.	657	<i>c</i> White woolen girdle.	644
367. Christaki, Monastir. <i>a</i> Stockings.	657	383. Imperial Ottoman Commission, Maamuret-ul-Aziz. <i>a</i> Black boots and shoes, slippers and red shoes.	645
<i>b</i> Shirt and sash.	658	<i>b</i> Silk shirt.	646
368. Fezhaneh Factory, Constantinople. <i>a</i> Red and dark red fezzes.	654	384. Imperial Ottoman Commission, Malatia. Apron.	647
<i>b</i> Muffler and stockings.	657	385. Imperial Ottoman Commission, Sinope. Inlaid wooden sandals.	648
369. Hakin Effendi, Aleppo. Silk burnous in gold.	653	386. Imperial Ottoman Commission, Sinope. <i>a</i> Children's short pants.	649
370. Husni Bey, Constantinople. Fire brigade uniforms.	652	<i>b</i> Stockings.	650
371. Imperial Ottoman Commission, Aidin. Shirt.	658	387. Imperial Ottoman Commission, Smyrna. <i>a</i> Red apron.	651
372. Imperial Ottoman Commission, Amasia. Apron.	653	<i>b</i> Abany turban.	652
373. Imperial Ottoman Commission, Angora. Mohair stockings and muffler and camel's hair stockings.	657	<i>c</i> Ladies' shoes, men's boots and inlaid wooden sandals.	653
374. Imperial Ottoman Commission, Archipelago. Wooden sandals.	656	388. Imperial Ottoman Commission, Tuzond. Cotton shirt.	654
375. Imperial Ottoman Commission, Ardeck. Woolen stockings.	657	389. Khristo, Madame, Adrianople. Ladies' underwear.	655
376. Imperial Ottoman Commission, Bagdad. Red burnous.	653	390. Kiazim, Bagdad. White and red burnous.	656
377. Imperial Ottoman Commission, Bali Keser. Mohair muffler.	657	391. Mahmoud, Bagdad. White burnous embroidered in gold.	657
378. Imperial Ottoman Commission, Beyrouth. <i>a</i> Double faced and velvet jackets and silk and woolen burnouses.	653	392. Marigo, Madame, Salonica. Stockings.	658
<i>b</i> Cap in gold.	654	393. Marionga, Madame, Adrianople. Cotton shirt.	659
<i>c</i> Inlaid sandals.	656	394. Redjeb Agha, Salonica. Native costume.	660
<i>d</i> Bedouin, silk and cotton and linen faced shirts.	658	395. Rifaat, Adrianople. Crape shirt.	661
379. Imperial Ottoman Commission, Diarbekir. <i>a</i> Brown silk coat.	652	396. Sotiri, Madame, Salonica. Stockings.	662
<i>b</i> Striped dress.	653	397. Tanash, Sophia, Salonica. Crape shirt.	663
<i>c</i> Native red and embroidered shoes; red Kurdish boots.	656	398. Tasho, Salonica. <i>a</i> Machine made stockings.	664
<i>d</i> Stockings.	657	<i>b</i> Flannel shirt.	665
<i>e</i> Antique embroidered shirt.	658	399. Yorgi, Monastir. Camel's stockings.	666
380. Imperial Ottoman Commission, Karassi. Inlaid wooden sandals.	656	<b>GROUP 105.</b>	
		400. Abd-ul-Rezak, Bagdad. Yellow white embroidered keofa for covering head.	667

**Collective Exhibit.**

	Class'n No.	Exhibit No.	Class'n No.
asia, Adrianople. Divan covers		417.	Imperial Ottoman Commission, Kos-
is style.	669	sova. Coffee box and cigarette holder.	680
ffendi, Salonica. Crochet		418.	Imperial Ottoman Commission, Sivas.
	665	Wooden tobacco pipes.	680
School for Girls, Tattavia.		419.	Imperial Ottoman Commission,
St. Sophia embroidered with		Syria.	
	669	a Revolver case and belt; cartridge	
ffendi, Aleppo. Embroidered		belt.	678
erns.	669	b Narghileh and accessories, and long	
end Sisters, Constantinople.		tobacco pipes ornamented with gold	
ordered on silk bolting-cloth.		and silver wire.	680
Ottoman Commission, Aidin.		c Inlaid canes.	681
and bed covers.	665		
idered cover and cushions.			
	669		
Ottoman Commission, Bey-			
idered cotton cloth.	665		
ork-table covers, cream			
livan set, embroidered silk			
nd head covers and prayer			
	669		
Ottoman Commission,			
lace.	664		
mbroidered rug and silk			
broidered bed cover.	669		
Ottoman Commission, Syria.			
Abany cloth.	665		
Ottoman Commission,			
heavily embroidered pillow			
ers.	669		
Bagdad. Bed cover em-			
old.	669		
Madame, Adrianople. Sur-			
ered handkerchief.	665		
lame, Salonica. Dark blue			
s.	665		
Madame, Adrianople. Divan			
roidered tidies.	669		
GROUP 108.			
Ottoman Commission, Ar-			
and tobacco cases and			
ee boxes.	680		
id cane.	681		
Ottoman Commission, Bey-			
e boxes and tobacco			
	680		
Ottoman Commission, Diar-			
s, spangled belt and red			
	678		
Ottoman Commission, Kara-			
ane.	681		
Ottoman Commission, Kas-			
alt cellar, coffee set,			
ith tray.	680		

## Collective Exhibit.

## GROUP 121.

Exhibit  
No.Class'n  
No.

434. Imperial Ottoman Commission, Konia.  
Water cup made of Bengazi stone.

## DEPARTMENT J.

## GROUP 126

435. Imperial Post and Telegraph Department, Constantinople. Double, single and continuous current transmitters, Ottoman pattern switch board and galvanometer, Swiss switch board, continuous current receiver, galvanometers, twisting handle, stretching apparatus, plug switch, translator and stackle. 769

## GROUP 128.

436. Imperial Post and Telegraph Department, Constantinople. Electric rudder for boats, electric rudder switch and tools for binding watch springs and boring square holes. 776

## GROUP 129.

437. Imperial Post and Telegraph Department, Constantinople. Model of electric arc lamp. 778

## GROUP 133.

438. Imperial Post and Telegraph Department, Constantinople.  
a Morse printing instrument and model of Morse receiver; Breguet telegraph receiver with relay. 790  
b Electric call bells and relay call bells. 792

## DEPARTMENT K.

## GROUP 140.

439. Akiarona, Constantinople. Water color pictures.  
440. Hakki Bey, Lieut., Constantinople. View of the harbor of Constantinople.  
441. Hobe Pasha, Baroness, Constantinople. View on the Bosphorus.  
View in a Turkish graveyard.  
442. Theofilidi, Yanco, Constantinople. Water color paintings and portraits.

## GROUP 144.

443. Akiarona, Constantinople. Pencil drawings.  
444. Theofilidi, Yanco, Constantinople. Pencil drawings.

## DEPARTMENT L.

## GROUP 147.

Exhibit  
No.Class  
No.

445. Mahmout Bey, Constantinople. Model of a house. 87

## GROUP 150.

447. Fruth, Joseph, Constantinople. Book on logarithms. 84  
448. Imperial Ottoman Commission, Mytilene. Books and book covers. 84  
449. Mahmout Bey, Constantinople. Prayer text written on oil cloth. 84  
450. Printing Office of the Imperial Arsenal, Constantinople. Books—Guide to the Sea, Torpedo Service, Guide to Gunnery, Fish Torpedo, Naval Tactics, Solar System, Tables, Ship's Course, Trigonometry, Naval Astronomy, War Regulators, Seamen and Ships, and Integral Calculus. 84

## GROUP 151.

451. Abdullah Brothers, Constantinople. Photographic views of Constantinople and its monuments. 87  
452. Gulmez Brothers, Constantinople. Photographic views of Constantinople and Brussa. 87  
453. Imperial Ottoman Arsenal, Constantinople. Ship's compass and sounding apparatus. 87  
454. Imperial Ottoman Commission, Diarbekir. Photographic views. 87  
455. Riza Bey, Constantinople. Photographs of soldiers and views of Constantinople. 87

## GROUP 153.

456. Imperial Ottoman Arsenal, Constantinople. Naval officers' and sailors' uniforms. 89  
457. Imperial Postoffice Administration, Constantinople. Photographs of post-offices in various cities of the empire. 89  
458. Ministry of the Interior, Constantinople. Statistics. 89

## GROUP 158.

459. Imperial Ottoman Commission, Constantinople. Brass cymbals. 92  
460. Mahmout Bey, Constantinople. Tambourine. 92

## DEPARTMENT N.

461. Imperial Ottoman Commission, Adana. Cedar, olive and yew. 99  
462. Imperial Ottoman Commission, Aidin. Licorice root. 108  
463. Imperial Ottoman Commission, Aleppo. Nut gall. 103

## Collective Exhibit.

	Class'n No.	Exhibit No.	Class'n No.
ial Ottoman Commission, An-		471. Imperial Ottoman Commission, Ko-	
unmony and gum adragant.	106	nia.	
al Ottoman Commission, Bigha.		a Carob wood.	99
our and nelani oak.	99	b Incense.	106
al Ottoman Commission, Bit-		472. Imperial Ottoman Commission, Nico-	
tragacanth.	106	media. Elm, beech, plane and linden.	99
al Ottoman Commission, Cesa-		473. Imperial Ottoman Commission, Sa-	
low berries.	103	lonica. Holm, oak, pine, arbute and pop-	
dragon.	106	lar.	99
al Ottoman Commission, Crete.		474. Imperial Ottoman Commission, Sivas.	
am and resin.	106	a Birch wood.	99
root and terhaleh.	108	b Djehri berries for dyeing.	103
entine and spirits of turpentine.	117	c Gum arabic.	106
al Ottoman Commission, Diar-		475. Imperial Ottoman Commission,	
peachy wood.	103	Smyrna.	
gum Arabic.	106	a Valonia seeds for dyeing.	103
al Ottoman Commission, Kas-		b Resins and incense.	106
Yoke elm, walnut, walnut		c Acorns.	107
le, pear, sorb, hop, juniper and	99	d Licorice.	108
		476. Imperial Ottoman Commission, Tre-	
		bizond. Chestnut, epicea, alder, hazel,	
		box, cornel and ash.	99





## Collective Exhibit.

## GROUP 121.

Exhibit  
No.Class'n  
No.

434. Imperial Ottoman Commission, Konia.  
Water cup made of Bengazi stone.

## DEPARTMENT J.

## GROUP 126

435. Imperial Post and Telegraph Department, Constantinople. Double, single and continuous current transmitters, Ottoman pattern switch board and galvanometer, Swiss switch board, continuous current receiver, galvanometers, twisting handle, stretching apparatus, plug switch, translator and stackle. 769

## GROUP 128.

436. Imperial Post and Telegraph Department, Constantinople. Electric rudder for boats, electric rudder switch and tools for binding watch springs and boring square holes. 776

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a Morse printing instrument and model of Morse receiver; Breguet telegraph receiver with relay. 790  
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## DEPARTMENT K.

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View in a Turkish graveyard.  
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## GROUP 144.

443. Akiarona, Constantinople. Pencil drawings.  
444. Theofilidi, Yanco, Constantinople. Pencil drawings.

## DEPARTMENT L.

## GROUP 147.

Exhibit  
No.Class  
No.

445. Mahmont Bey, Constantinople. Model of a house. 827

## GROUP 150.

447. Fruth, Joseph, Constantinople. Book on logarithms. 84  
448. Imperial Ottoman Commission, Mytilene. Books and book covers. 84  
449. Mahmont Bey, Constantinople. Prayer text written on oil cloth. 84  
450. Printing Office of the Imperial Arsenal, Constantinople. Books—Guide to the Sea, Torpedo Service, Guide to Gunnery, Fish Torpedo, Naval Tactics, Solar System, Tables, Ship's Course, Trigonometry, Naval Astronomy, War Regulators, Seamen and Ships, and Integral Calculus. 84

## GROUP 151.

451. Abdullah Brothers, Constantinople. Photographic views of Constantinople and its monuments. 871  
452. Gulmez Brothers, Constantinople. Photographic views of Constantinople and Brussa. 871  
453. Imperial Ottoman Arsenal, Constantinople. Ship's compass and sounding apparatus. 87  
454. Imperial Ottoman Commission, Diarbekir. Photographic views. 871  
455. Riza Bey, Constantinople. Photographs of soldiers and views of Constantinople. 871

## GROUP 153.

456. Imperial Ottoman Arsenal, Constantinople. Naval officers' and sailors' uniforms. 890  
457. Imperial Postoffice Administration, Constantinople. Photographs of post-offices in various cities of the empire. 893  
458. Ministry of the Interior, Constantinople. Statistics. 890

## GROUP 138.

459. Imperial Ottoman Commission, Constantinople. Brass cymbals. 927  
460. Mahmont Bey, Constantinople. Tam-bourine. 927

## DEPARTMENT N.

461. Imperial Ottoman Commission, Adana. Cedar, olive and yew. 99  
462. Imperial Ottoman Commission, Aidin. Licorice root. 108  
463. Imperial Ottoman Commission, Aleppo. Nut gall. 108

## Collective Exhibit.

	Class'n No.	Exhibit No.	Class'n No.
ial Ottoman Commission, An-		471. Imperial Ottoman Commission, Ko-	
ammony and gum adragant.	106	nia.	
ial Ottoman Commission, Bigha.		a Carob wood.	99
our and nelani oak.	99	b Incense.	106
ial Ottoman Commission, Bit-		472. Imperial Ottoman Commission, Nico-	
tragacanth.	106	media. Elm, beech, plane and linden.	99
ial Ottoman Commission, Cesa-		473. Imperial Ottoman Commission, Sa-	
		lonica. Holm, oak, pine, arbut and pop-	
ow berries.	103	lar.	99
n dragon.	106	474. Imperial Ottoman Commission, Sivas.	
ial Ottoman Commission, Crete.		a Birch wood.	99
am and resin.	106	b Djehri berries for dyeing.	103
root and terhaleh.	108	c Gum arabic.	106
entine and spirits of turpentine.	117	475. Imperial Ottoman Commission,	
al Ottoman Commission, Diar-		Smyrna.	
		a Valonia seeds for dyeing.	103
peachy wood.	103	b Resins and incense.	106
gum Arabic.	106	c Acorns.	107
al Ottoman Commission, Kas-		d Licorice.	108
Yoke elm, walnut, walnut		476. Imperial Ottoman Commission, Tre-	
le, pear, sorb, hop, juniper and	99	bizond. Chestnut, epicea, alder, hazel,	
		box, cornel and ash.	99





Electric Building



# WORLD'S COLUMBIAN EXPOSITION

1893

## OFFICIAL CATALOGUE

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PART IX.

## ELECTRICITY BUILDING

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DEPARTMENT J

## MACHINERY AND ELECTRICAL APPLIANCES

J. P. BARRETT, CHIEF

J. A. HORNSBY, ASSISTANT CHIEF

---

EDITED BY

THE DEPARTMENT OF PUBLICITY AND PROMOTION

M. P. HANDY, CHIEF

---

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W. B. CONKEY COMPANY, PUBLISHERS  
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CHICAGO.

# ELECTRICITY BUILDING.

Electricity Building carries out the Spanish renaissance idea, modified by a Corinthian. It is 345 feet wide and 700 feet long. The general scheme of the plan is longitudinal nave 115 feet wide and 114 feet high, crossed in the middle of the same width and height.

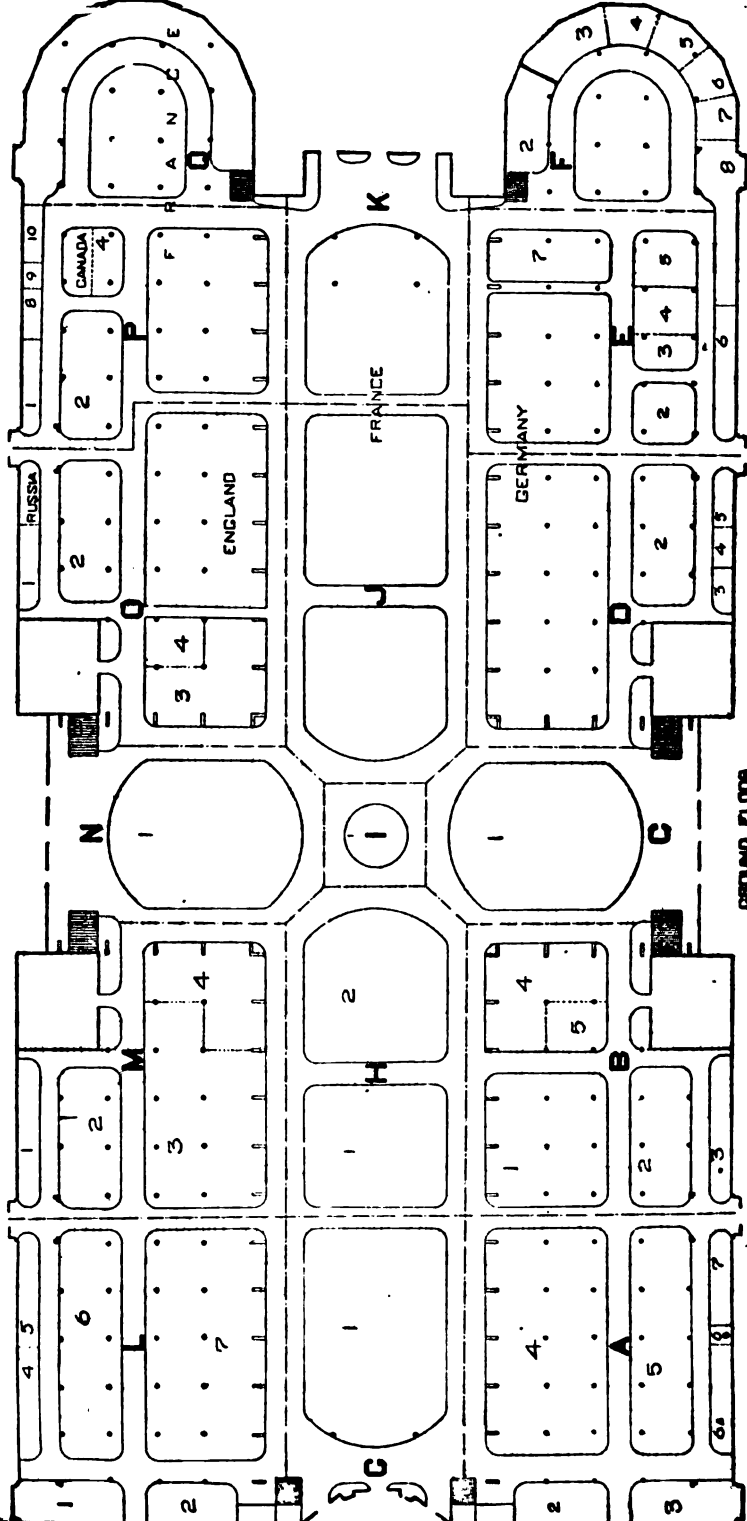
The walls are composed of a continuous Corinthian order of pilasters, 3 feet and 42 feet high, supporting a full entablature and resting upon a stylobate. The total height of the walls from the grade outside is 68 feet 6 inches. At four corners of the building is a pavilion, above which rises an open tower

The building has an open portico along the whole of the south facade, the lower opening being an open screen in front of it. The various subordinate pavilions are windows and balconies. The details of the exterior orders are richly decorated with pediments, friezes, panels and spandrels have received a decoration of figures and architectural motifs, the general tendency of which is to illustrate the purpose of the building. In the hemicycle on the south front stands the fine statue of Franklin.

The finish of the exterior is that of marble, but the walls of the hemicycle and porticoes and loggias are highly enriched with color, the pilasters in these decorated with scagliola, and the capitals with metallic effects in bronze. The large window spaces and high central and corner towers is especially adapted for electrical illumination by night, and considered as part of this display are electric fountains which show their magic splendors at the head of the basin in front of the building. The architects of the Electricity Building are Van Brunt & Co., New York City.

## KEY TO INSTALLATION.

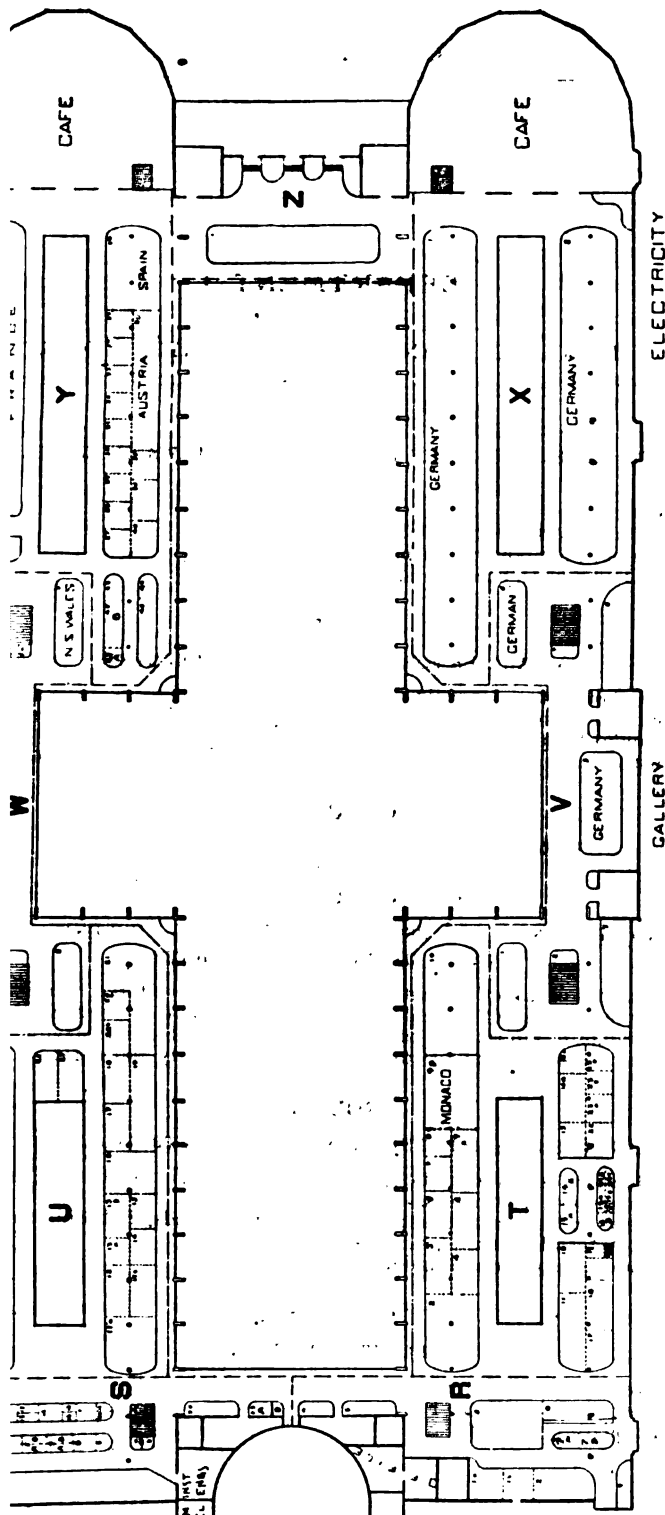
For the purpose of the installation of exhibits, the Electricity Building is divided into sections from "A" to "Z." On the main floor the sections are lettered from "A" to "Z." The gallery floor from "R" to "Z." The sections are divided into exhibit spaces, numbered, and in some instances are subdivided when the exhibit space is designated by a letter, as for example, U-13-b. By consulting the floor plan in the sections can be easily located. The location of exhibits are indicated in the sections by a letter and a number. For example, "V-5" means that the exhibit is in the gallery, and exhibit space 5.



ELECTRICITY  
WORLD'S COLUMBIAN EXPOSITION.

GROUND FLOOR

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ELECTRICITY

GALLERY

## DEPARTMENT J.

### ELECTRICITY AND ELECTRICAL APPLIANCES.

#### GROUP 122.

##### APPARATUS ILLUSTRATING THE PHENOMENA AND LAWS OF ELECTRICITY AND MAGNETISM.

- Class 757. Statical electricity.
- Class 758. Thermo electricity; thermoelectric batteries.
- Class 759. Magnets, temporary and permanent.
- Class 760. Induction coils, converters, etc.

#### GROUP 123.

##### APPARATUS FOR ELECTRICAL MEASUREMENTS.

- Class 761. Standard resistance coils.
- Class 762. Standard condensers.
- Class 763. Standard batteries.
- Class 764. Instruments of precision; voltmeters, ammeters, wattmeters, etc.

#### GROUP 124.

##### ELECTRIC BATTERIES, PRIMARY AND SECONDARY.

#### GROUP 125.

##### MACHINES AND APPLIANCES FOR PRODUCING ELECTRICAL CURRENTS BY MECHANICAL POWER—DYNAMICAL ELECTRICITY.

- Class 765. Dynamos of direct current, constant electro motive force; varying quantity.
- Class 766. Dynamos of direct currents, constant quantity and varying E. M. F.
- Class 767. Dynamos of alternating current, constant E. M. F., and varying quantity.
- Class 768. Dynamos of alternating current, constant quantity and varying E. M. F.

#### GROUP 126.

##### TRANSMISSION AND REGULATION OF THE ELECTRICAL CURRENT.

- Class 769. Cables, wires and insulation; rheostats, switches, indicators, registering meters, ammeters, voltmeters.
- Class 770. Safety and protective appliances; lightning rods, lightning arresters, insulators, fusible cut-outs, safety switches, etc.
- Class 771. Conduits, interior and underground.

#### GROUP 127.

##### ELECTRIC MOTORS.

- Class 772. Direct constant current.
- Class 773. Direct constant E. M. F.
- Class 774. Alternating current.

GROUP 128.

APPLICATION OF ELECTRIC MOTORS.

trest, underground, mining and other railways.  
elevators, pumps, printing presses and general machinery.  
toys, novelties and domestic appliances.

GROUP 129.

LIGHTING BY ELECTRICITY.

he arc systems, their lamps, fixtures and appliances.  
he incandescent systems, their lamps, fixtures and appliances.

GROUP 130.

HEATING BY ELECTRICITY.

or warming and heating apartments.  
or heating flat irons, soldering irons, and other objects used in industrial operations.  
aintenance of constant high temperature in ovens,  
electric heating furnaces.

GROUP 131.

ELECTRO-METALLURGY AND ELECTRO-CHEMISTRY.

electrotyping.  
electro-plating, gilding and nickeling.  
electro-deposition of iron and other metals.  
electrolytic separation of metals from their ores or alloys.

GROUP 132.

TRIC FORGING, WELDING, STAMPING, TEMPERING, BRAZING, ETC.

paratus for, and methods of forging, welding or joining iron, steel and other metals.  
azing, stamping, tempering, etc.

GROUP 133.

ELECTRIC TELEGRAPH AND ELECTRIC SIGNALS.

rious systems of transmitting and receiving.  
onographs.  
nunciators.  
ermostats.  
e alarm apparatus.  
ice telegraph and burglar alarm apparatus.  
lroad signal apparatus.

GROUP 134.

THE TELEPHONE AND ITS APPLIANCES—PHONOGRAPHS.

les; construction and underground work.  
cial protective devices.  
tch boards.  
nsmitting apparatus.  
eiving apparatus.  
naling apparatus.  
g distance systems.

- Class 804. Various systems of operation.
- Class 805. Subscribers' apparatus—numbers, code, registers, etc.
- Class 806. Phonographs—receiving and recording apparatus.
- Class 807. Apparatus for the reproduction of recorded sounds and articulate speech.

#### GROUP 135.

##### ELECTRICITY IN SURGERY, DENTISTRY AND THERAPEUTICS.

- Class 808. Cautery apparatus.
- Class 809. Apparatus for the application of the electrical current as a remedial agent in surgical and dental.
- Class 810. Apparatus for diagnosis.
- Class 811. Apparatus for the destruction of life.

#### GROUP 136.

##### APPLICATION OF ELECTRICITY IN VARIOUS WAYS NOT HEREINBEFORE SPECIFIED.

- Class 812. Ignition of explosives; gas lighting, etc.
- Class 813. Control of heating apparatus by electricity, as applied to steam and hot pipes and registers.
- Class 814. Electric pens.
- Class 815. Application in photography.

#### GROUP 137.

##### HISTORY AND STATISTICS OF ELECTRICAL INVENTION.

- Class 816. Objects illustrating the development of the knowledge of electricity and of the application of electricity in the arts.
- Class 817. Collections of books and publications upon electricity and its applications.

#### GROUP 138.

##### PROGRESS AND DEVELOPMENT IN ELECTRICAL SCIENCE AND CONSTRUCTION, AS ILLUSTRATED BY MODELS AND DRAWINGS OF VARIOUS COUNTRIES.

- Class 818. United States Patent Office and other exhibits of electrical models and drawings.
- Class 819. Foreign exhibits of electrical models and drawings.

#### GROUP 138 A.

- Class A. Construction tools, repairing tools, apparatus used in electrical construction.
- Class B. Apparatus for transmission of power to electrical generators (steam, compressed air, turbine oil friction, gearing, belting, etc., etc.).
- Class C. Process of electro-engraving.
- Class D. Carbon and its application.
- Class G. Metals and their application in the construction of electrical apparatus.
- Class H. The kinetograph.
- Class J. Direct couple engine dynamos.
- Class K. Electric lubricators.
- Class L. Application of electricity in testing and aging liquors.
- Class M. Electric tanning.

## to Find Exhibitors and Their Exhibits.

exhibitors from the United States will be found in the first portion of this foreign countries with their exhibits installed in Electricity Building alphabetical order. Each country has its exhibits numbered consecutively, and each exhibit has a card attached to it bearing the name of the words "Official Catalogue Number," and that number corresponds with the Catalogue. For example, if a card is found with the following matter

Department of Electricity.  
United States.

Official Catalogue Number 103

turn to 103 in the United States portion of the Catalogue where will be the entry:

**103. Brixey, W. R., New York.**

Wires, cables. T-2 769.

When the visitor's attention is first directed to the Catalogue and he may be shown this exhibit. The first thing he should do is to see what the location is. He will refer to the Key to Installation, which states that the Electricity Building is divided into sections, lettered from "A" to "Z." The sections on the main floor are lettered from "A" to "Q" and those on the gallery floor from "R" to "Z." These sections are divided into exhibit spaces which are numbered and in some instances are designated by the addition of a letter, as for example, exhibit therefore of W. R. Brixey will be found on the gallery floor in section 2.

Number 769 serves many purposes, and one especially. A visitor, for instance, to see all the exhibits of wires and cables in Electricity Building. He goes to the classification grouping, where he will read in group 126, class 769,

Cables, wires and insulation; rheostats, switches, indicators, registering instruments, voltmeters. He immediately turns to the list of exhibitors under group 769 and finds all exhibitors alphabetically exhibiting wires and cables and other articles enumerated in that class.

It applies to every exhibit in the Electricity Building, whatever its character. Following the above plan the visitor will experience no difficulty in locating his exhibit.

It should be paid to any numbers which may be affixed to exhibits except on cards in the form given above.

# How to Find Exhibitors and Their Exhibits

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# J--Electricity and Electrical Appliances.

## UNITED STATES.

apparatus illustrating the Phenomena and Laws of Electricity.

### GROUP 122.

illustrating the Phenomena of Electricity and Magnetism.

Electric Instrument Co.,  
Conn. Induction coils.

M-1&2 760

Motor Company, Portland,  
S. E-2 759

Electric Company, Cleveland,

ary and permanent mag-  
L-6-7 759

coils, converters, etc. 760  
Electric Manufacturing Com-

Ill. Induction coils, con-  
L-4 760

Co., New York. Ruhm-  
Y-1 760

Forging Co., Boston. Con-  
D-2 760

Appliance Co., Chicago.  
U-16 760

ker Electric Construction  
ca), Chicago. Transformers.  
E-3 760

Dynasno Co., Chicago.  
O-1 760

Electric Co., Fort Wayne,  
ers and reactive coils.

M-3 760

Electric Company, New York

H-2 759  
coils, converters and trans-

C-1 760

ners for lighting and power

S., & Co., New York.  
pparatus. F-8 757

759

coils, etc. 760  
attery & Optical Co., Chi-

us for illustrating the laws  
W-3

Exhibit  
No.

Class'n  
No.

12. Powell, Wm., Company, Cincinnati.  
Induction coils. U-18 760

13. Pratt Electric Medical Supply Com-  
pany, Chicago.

a Statical electricity. U-11-a 757

b Thermo electric batteries. 758

c Temporary and permanent magnets. 759

d Induction coils. 760

14. Queen & Co. (Incorporated), Philadel-  
phia.

a Electrical machines. E-7 757

b Thermo electric batteries. 758

c Magnets, temporary and permanent. 759

d Induction coils and converters. 760

15. Standard Underground Cable Com-  
pany, Pittsburg, Pa. Static arresters.

L-5 757

Branch offices in Chicago and New York.  
Makers of electric cables, aerial, under-

ground and submarine. Insulated wire of  
all kinds. Accessories for cable installa-

tions. See classes 757, 769, 770, 771, 779,  
797, 798, 799, 804 and Group 138 A.

16. Stanley Electric M'fg Co., Pittsfield,  
Mass.

a Statical electricity. Z-1 757

b Transformers; induction coils. 760

16a. Taylor, Goodhue & Ames, Chicago.  
Transformers. A-7 760

17. Thomson Electric Welding Co., Bos-  
ton. Induction coils, transformers.

O-2 760

17a. Wait & Bartlett M'fg Co., New  
York. Induction machine. U-26 760

18. Western Electric Co., Chicago.  
a Magnets. A-3-4&5 759

b Induction coils, etc. 760

19. Westinghouse Electric M'fg Co.,  
Pittsburg, Pa. Induction coils and con-

verters, transformers and discharging ap-  
paratus. B-1 760

## Apparatus for Measurements, Electric Batteries.

## GROUP 123.

## Apparatus for Electrical Measurements.

- | Exhibit No.   | Class'n No. |  |                   |
|---|-------------|--|-------------------|
| 20.   | Z-1 764     | Ansonia Electric Co., Chicago. Instruments of precision.   |                   |
| Wirt Standard Voltmeter, direct and alternating Wirt Ampere indicator and volt indicator for switchboard use; Wirt electricity meter, portable testing set. |             |  |                   |
| 21.   |             | Anthony Electric Instrument Company, Manchester, Conn.   |                   |
| a   | M-1-2 761   | Standard resistance boxes.   |                   |
| b   |             | Ammeters, voltmeters, galvanometers, and differential indicators.  | 764               |
| Boston office 116 Bedford St. Chicago, 1002 Chamber of Commerce Bldg.   |             |  |                   |
| 22.   |             | Bellnap Motor Company, Portland, Me. Voltmeters and ammeters.  | E-2 764           |
| 22a.  |             | Bunnell, J. H., & Co., New York. Testing set, rheostat and galvanometers. In U. S. Naval Observatory             | 764               |
| 24.   | Y-2 762     | Commercial Cable Co., New York. Condensers.  |                   |
| b   |             | Submarine cable instruments.   | 763               |
| 25.   | T-3 764     | Cutter, Geo., Chicago. Voltmeters; ammeters; wattmeters.   |                   |
| 25a.  |             | Electric Appliance Co., Chicago. Voltmeters, ammeters and indicators.  | U-16 764          |
| 26.   | E-3 764     | Elwell-Parker Electric Construction Co. (of America), Chicago. Electrical measurement instruments.               |                   |
| 27.   |             | Fort Wayne Electric Co., Fort Wayne, Ind. Voltmeters, ammeters, polarity meters.                                 | Dept. F & M-3 764 |
| 28.   | M-4 764     | General Electric Company, New York and Boston. Instruments of precision, voltmeters, ammeters, watt meters, etc. |                   |
| Only reliable recording electrical meter. Accurate indicating instruments.  |             |  |                   |
| 29.   | F-8 761     | Greeley, E. S., & Co., New York. Resistance coils.   |                   |
| b   |             | Condensers.  | 762               |
| c   |             | Batteries.   | 763               |
| d   |             | Voltmeters, ammeters, standard testing instruments, etc.   | 764               |
| 30.   | S-3 763     | Hirlemann, C. J., New York. Batteries.   |                   |
| 32.   | T-20 764    | Jaeger, Charles L., Maywood, N. J. Electric recording compass, electric recording log.                           |                   |
| 33.   | S-20 764    | Lee, Charles E., Chicago. Battery test.  |                   |
| 34.   | W-3 764     | McIntosh Battery & Optical Co., Chicago. Electrical measurement apparatus.                                       |                   |

- | Exhibit No. | Class'n No.    |  |                       |
|-------------|----------------|--|-----------------------|
| 35.         |                | Pratt Electro Medical Supply Company, Chicago.   |                       |
| a           | U-11-a 761     | Standard resistance coils.   |                       |
| b           |                | Standard condensers.   | 762                   |
| c           |                | Voltmeters, ammeters, etc.   | 764                   |
| 36.         |                | Queen & Co. (Incorporated), Philadelphia.  |                       |
| a           | E-7 761        | Resistance coils.  |                       |
| b           |                | Condensers.  | 762                   |
| c           |                | Testing keys and batteries.  | 763                   |
| d           |                | Ammeters, voltmeters.  | 764                   |
| 37.         | A-6-a 764      | Sloss Electric M'fg Co., Chicago. Voltmeters.  |                       |
| 38.         |                | Standard Electric Company, Chicago. Ammeters.  | O-1&P-2 & Dept. F 764 |
| 39.         | Z-1 762        | Stanley Electric M'fg Co., Pittsfield, Mass. Condensers.                                       |                       |
| 39a.        | W-2 764        | Vetter, J. C., New York. Controller, milliamperemeter.   |                       |
| 39b.        | U-26 760       | Waite & Bartlett. Milliamperemeter.  |                       |
| 40.         |                | Western Electric Co., Chicago.   |                       |
| a           | A-3, 4 & 5 761 | Resistance coils.  |                       |
| b           |                | Condensers.  | 762                   |
| c           |                | Batteries.   | 763                   |
| d           |                | Instruments of precision, voltmeters, ammeters, wattmeters.                                    | 764                   |
| 40a.        | B-1&2 762      | Westinghouse Electric & M'fg Co., Pittsburgh, Pa. Registering meters, voltmeters and ammeters. |                       |
| 41.         | R-6 764        | Weston Electric Instrument Co., Newark, N. J.  |                       |
| a           |                | Bridges, Megohm boxes.   | 761                   |
| b           |                | Standard Cells.  | 763                   |
| c           |                | Wattmeters.  | 764                   |
| 42.         | E-7 764        | White, James, Glasgow, Scotland. Voltmeters; ammeters, wattmeters, etc.                        |                       |
| 43.         | U-16 764       | Whitney Electric Instrument Company, Boston. Electric test instruments.                        |                       |

## GROUP 124.

## Electric Batteries, Primary and Secondary.

- |   |           |   |     |
|---|-----------|---|-----|
| 44.   | T-4-a 764 | American Battery Company, Chicago. Primary and secondary batteries. |     |
| 45.   | Z-1 761   | Ansonia Electric Co., Chicago. Batteries.                           |     |
| Diamond Carbon Open Circuit Battery for electric bells, annunciators, etc. Excelsior Disque Le Clanche Battery. |           |   |     |
| 45a.  | A-6-b 764 | Booth, J. L., Chicago. Dry battery.                                 |     |
| 45b.  | Z-1 761   | Burnley, Wm., North East, Pa. Dry batteries.                        |     |
| 47.   | R-2 764   | Consolidated Electric Storage Co., Chicago. Storage batteries.      |     |
| 48.   |           | Edison M'fg Co., New York. Primary batteries and accessories.       | S-2 |

## Machines and Appliances for Producing Electrical Currents.

	Class'n No.
Telephone Co., Elgin, Ill. Bat-	
T-13-b	
Shburn Storelectro Co.,	
Ohio. Storage batteries.	
U-15	
E. S., & Co., New York.	
Used circuit primary batteries	
ry batteries.	F-8
Battery Light & Power Co.,	
D. C. Primary battery and	
T-13-b	
n, C. J., New York. Primary	
S-3	
seph M., Chicago. Primary	
O-4	
onal Automatic Light & Chicago. Primary batteries.	
U-3	
Battery Company, New	
eries.	V-7
urers of the celebrated "Gonda	
batteries," the standard open	
es of the world for bells,	
electric clocks, gas lighting,	
Electric Co., New York.	
teries, battery powder, zinc	
ing compound.	S-23
z, E. B., New York. Stor-	
W-2	
Carbon Co., Cleveland, Ohio.	
ry elements.	T-13-a
Engraving Machine Co., Chi-	
ndary batteries.	S-8
chard, New York. Plunge	
Z-1	
ectro Medical Supply Com-	
go. Electric batteries.	
U-11-a	
Jas. K., Chicago. Bat-	
T-6	
Co. (Incorporated), Philadel-	
ry and secondary batteries.	
E-7	
ctric M'fg Co., Chicago.	
A-6-a	
in Electric Co., Chicago.	
A-6-b	
ctric Co., New York. Stor-	
F-3&4	
ctric Works, Chicago. Pri-	
ts.	T-23
Valter A. Crowds.	
C., & Co., New York. Elec-	
W-2	
Electric Co., Chicago. Bat-	
A-3-4 & 5	
F., Cleveland, Ohio. Gal-	
ts.	Y-44

Exhibit No.	Class'n No.
70. White, S. S., Dental Manufacturing Company, Philadelphia.	Electric bat- teries. U-27

## GROUP 125.

## Machines and Appliances for Producing Electrical Currents by Mechanical Power—Dynamical Electricity.

71. Belknap Motor Company, Portland, Me. Direct current dynamos, constant E. M. F.	E-2 765
72. Brush Electric Company, The, Cleveland, Ohio.	
a Direct constant current dynamos—E. M. F. L-6-7 and Dept. F	765
b Direct current varying dynamos—E. M. F.	766
c Alternating current dynamos—constant E. M. F.	767
73. C. and C. Electric Motor Co., New York. Direct current dynamos. A-2	765
High grade dynamos for arc and incandescent lighting. Complete electric lighting plants.	
74. Card Electric Motor & Dynamo Co., Cincinnati.	
a Dynamos of direct current constant E. M. F.	U-12 765
b Dynamos of direct current, constant quantity.	766
c Dynamos of alternating current, constant E. M. F.	767
d Dynamos of alternating current, constant current.	768
75. Crocker-Wheeler Electric Co., New York. Motor dynamos.	L-1 765
76. Eddy Electric Manufacturing Company, Windsor, Conn. Direct current dynamos, constant E. M. F.	B-3 765
76a. Electrical Forging Co., Boston. Alternating generators varying quantity and E. M. F.	D-2 767
77. Elektron Manufacturing Company, Springfield, Mass. Direct current dynamos, constant E. M. F.	P-4 766
78. Elwell-Parker Electric Construction Co. (of America), Chicago.	
a Direct dynamos.	E-3 765
b Alternating dynamos.	767
78a. Equitable Dynamo Co., Chicago.	
a Dynamos of constant current varying E. M. F.	O-1 766
b Dynamos of alternating current constant E. M. F. and varying quantity.	767
79. Excelsior Electric Company, New York. Arc-light dynamos and power plant.	B-5 & Dept. F 766

## Machines and Appliances, Transmission of Electrical Current.

Exhibit No.	Class'n No.
80. Fein, C. & E., Stuttgart, Germany. Dynamo machines.	E-7 765
81. Ford - Washburn Storelectro Co., Cleveland, Ohio. Direct current dyna- mos.	U-15 765
82. Fort Wayne Electric Co., Fort Wayne, Ind. M-3 & Dept. F	
a Railroad and power generators.	765
b Arc dynamos.	766
c Alternating dynamos.	767
Wood system; high electrical efficiency; perfect self-regulation; superior mechanical construction and extreme simplicity; alter- nators; slow speed, iron-clad and ventilated. Chicago office, 185 Dearborn street.	
83. General Electric Company, New York.	
a Direct current dynamos. C-1; H-20; J-1; N-1; O-3; Dept. F-PP; PH Intramural Railway; Battle ship.	765
Direct current dynamos.	
B-4; Dept. F-PP.	766
c Alternating current dynamos.	
C-1; N-1	767
d Alternating current dynamos.	
C-1	768
Electrical apparatus of all kinds for light- ing, railway and power purposes. Marine installations. Decorative lighting.	
84. Greeley, E. S., & Co., New York.	
a Direct current dynamos, constant E. M. F.	F-8 765
b Direct current dynamos, varying E. M. F.	766
c Alternating current dynamos, con- stant E. M. F.	767
85. Hanson & VanWinkle Co., Chicago.	
a Direct current dynamos, constant E. M. F.	L-4 765
b Direct current dynamos, varying E. M. F.	766
87. Jenney Electric Motor Co., Indianapo- lis, Ind. Direct current dynamos.	L-2 765
88. Mather Electric Company, Manchester, Conn. Compound wound power genera- tors and direct current dynamos.	
M-1-2	765
Principal offices, 116 Bedford St., Boston, Mass. Western Dept., office 1002 Chamber of Commerce Building, Chicago.	
89. National Carbon Co., Cleveland, Ohio. Dynamo carbon brushes.	T-13-a 765
89a. Pierce, S. M., Chicago. Dynamos, alternating current.	A-6-b 767
90. Pratt Electro Medical Supply Com- pany, Chicago.	
a Direct current dynamos—constant E. M. F.	U-11-a 765
b Direct current dynamos—varying E. M. F.	766

Exhibit No.	Class'n No.
91. Queen & Co. (Incorporated), Philadel- phia. Cradle dynamometers.	E-7 765
92. Short Electric Railway Co., Cleveland, Ohio. Direct current constant E. M. F. generators.	L-6-7 765
92a. Sloss Electric M'fg Co., Chicago.	
a Dynamos direct constant current.	A-6-a 766
b Dynamos direct, current varying.	768
93. Standard Electric Company, Chicago.	
Direct current dynamos, varying E. M. F. O-1&P-2 & Dept. F	766
94. Thomson Electric Welding Co., Bos- ton. Alternating current dynamos.	O-2 767
95. Wagner Electric Manufacturing Com- pany, St. Louis.	
a Direct current dynamos—constant E. M. F.	A-7 766
b Direct current dynamos—varying E. M. F.	768
c Alternating current dynamos—con- stant E. M. F.	767
d Alternating current dynamos—vary- ing E. M. F.	768
96. Western Electric Co., Chicago.	
a Direct dynamos.	A-3-4&5 765
b Dynamos of constant quantity, vary- ing E. M. F.	768
97. Westinghouse Electric & M'fg Co., Pittsburgh, Pa. J-2; B-1; B-2; H & Dept. F	
a Alternating and direct current dyna- mos.	765
b Motor dynamos, alternating and di- rect currents produced by the same machine.	767
99. Wing, L. J., & Co., New York. Di- rect current dynamos.	P-10 765-766
100. Zucker & Levett Chemical Co., New York. Direct current dynamos.	F-2 765

## GROUP 126.

Transmission and Regulation of the Elec-  
trical Current.

101. Ansonia Electric Co., Chicago. Cables, wires, switches, etc.	Z-1 769
Largest manufacturers in the U. S. of insu- lated copper wires. "Shield Brand Moisture Proof" is the best line wire made.	
102. Anthony Electric Instrument Com- pany, Manchester, Conn.	
a Rheostats, indicators, registering meters, switches, etc.	M-1&2 769
b Safety appliances; lightning arrest- ers; safety switches.	770

## Transmission of Electrical Current.

	Class'n No.	Exhibit No.		Class'n No.
& Burnham, New York.		117.	Electric Heat Alarm Co., Boston.	
or electric railway track.			Safety heat appliance.	Y-35 770
Exhibition track	769	118.	Electric Selector & Signal Co., New	
Allic Wire Co., Chicago.			York.	
with steel core.		a	Signal indicator.	U-19 769
Exhibition track	769	b	Electric light locks.	770
W. R., New York. Wires,		119.	Electrical Specialty Company, Den-	
T-2 769			ver, Colo.	
" insulated wires. Electric		a	Switch.	S-7-a 769
d feeders. Telephone, tele-		b	Cut-out.	770
al wires.		120.	Elektron Manufacturing Company,	
Electric Co., Chicago.			Springfield, Mass. Cables, wires, and	
es. R-8 769			electrical appliances.	P-4 769
switches.	770	121.	Elwell-Parker Electric Construction	
Electric Company, Cleveland, O.			Co. (of America), Chicago.	
es, rheostats and electric sup-		a	Transformers.	E-3 769
L-6-7&Dept. F 769		b	Protective appliances.	770
ers, insulators and safety ap-		122.	Empire China Works, Brooklyn, N.Y.	
s. 770			Hard porcelain electrical supplies.	
Electric Supply Co., Bos-			S-19 770	
nd conductors. A-7 769		122a.	Enterprise Electric Co., Chicago.	
r Enamel Rheostat Co.,		a	Cables, submarine, conduit and	
Conn. Rheostats. R-8 769			overhead wires.	U-11-b 769
Zapora Co., New York. Cal-		b	Insulating materials, rheostats and	
culation purposes. L-4 769			switches.	770
Electric Co., Chicago.		123.	Eureka Tempered Copper Co., North	
lead cables. U-8 769			East, Pa.	U-14
es, insulators, etc.	770	a	Copper for bearings.	769
ts, tubing.	771	b	Commutators, brushes, etc.	770
ial Cable Co., New York.		Only manufacturers of tempered copper		
operating apparatus. Y-2 769		cast solid without alloys, for bearings, com-		
Electric Wire Company of		mutator work, electric brushes, etc. Guar-		
Wilmington, Del.		anteed double the wear. Awarded the		
cal supplies. T-15 769		John Scott medal by the Franklin Institute		
and other conduits.	771	in 1891.		
Electric Manufacturing Com-		124.	Fibre Conduit Co., New York. Con-	
City, N. J.			duits, interior and underground.	
ats. F-7 769			F-3&4 771	
nd protective appliances. 770		125.	Fort Wayne Electric Co., Fort	
eo., Chicago.			Wayne, Ind.	M-3&Dept. F
ats; switches. T-3 769		a	Rheostats; switches; meters.	769
ors; cut-outs.	770	b	Lightning arresters, etc.	770
Electric & M'f'g Co., Phila-		126.	Gault, N. C., & Co., Winona, Minn.	
h and key electric switch.			Lightning rods with machine at work.	
Z-1 769			Y-48 770	
Electric Motor Co., New York.		James H. Schoonmaker's patent. A portion		
; rheostats; switches; meters.		of territory for sale.		
A-2 769		127.	General Electric Company, New York	
Conduit Co., New York.			and Boston.	
P-1 770		a	Rheostats, switches and meters.	
Appliance Co., Chicago.			B-4; C-1; H-2; I-1; M-4; N-1; O-3;	
ed wires, arc and incandes-			Dept. F-PP; PH Intramural Rail-	
itches. 769			way. Battleship.	769
ng arresters. U-16 770		b	Safety appliances, lightning arrest-	
Forging Company, Boston.			ers and cut-outs. B-4; C-1; Dept.	
wires, rheostats, switches.			F-PP; PH Intramural Railway	
D-2 769			Battle ship.	770
rs, fusible cut-outs and safety				
770				

## Transmission of Electrical Current.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
c Underground conduits.		138. Mather Electric Company, Manchester, Conn.	
J-1; Dept. F-PP.	771	a Rheostats, switches, etc.	M-1-2 769
Every necessary appliance for regulating and controlling electricity.		b Safety and protective appliances, fusible-cut outs, etc.	778
127a. Gould's M'fg Co., Seneca Falls, N. Y. Controlling apparatus on triplex electric tank pump.	P-4 770	138a. McDougall & Cummings, Chicago. Rheostats and motor starting boxes.	T-6 769
128. Greeley, E. S., & Co., New York.		139. McIntosh Battery & Optical Co., Chicago. Rheostats; rheotomes.	W-3 769
a Rheostats, switches.	F-8 769	140. McNeill Tinder Electric Company, Winchester, Ky. Electric current indicators and registering meters.	U-13-a 769
b Lightning rod supplies, accurate protective fuses.	770	141. Munson Lightning Conductor Co., Indianapolis, Ind. Lightning conductors.	769
c Submarine, aerial and underground cables; conduits.	771	Rooms, American Institute, Electrical Engineers.	769
129. Hope Electric Appliance Co., Providence, R. I.		142. Murphy, T. J., New York. Switch-board.	R-6 769
a Mast arms.	S-15-16&17 769	143. National Conduit Manufacturing Company, New York. Cement lined pipe for conduit.	L-5 771
b Cut-outs, switches, etc.	770	144. New England Butt Company, Providence, R. I. Braiders, winder and measuring machines.	T-12 769
130. Indiana Rubber and Insulated Wire Co., Jonesboro, Ind.		For electrical wires; special machines for this class of work; cabling, taping, polishing, stranding, twining and weaving machines; heavy braiders for covering cables, paper covering machines, etc. Fine castings for electrical machinery. H. N. Fenner, treasurer. Cable address, "Buttco."	
a Insulated wire.	U-16 769	145. New York Insulated Wire Co., New York.	T-11 769
b Safety appliances.	770	a Insulated cables and wires.	769
c Rubber conduits.	771	b Tapes and compounds.	770
131. India Rubber Comb Co. The, New York.		c Conduits.	771
a Rubber insulation.	S-11 769	147. Norwich Insulated Wire Co., New York. Electric light cables.	T-16-a 769
b Hood insulators, tubing; sheeting.	770	148. Okonite Co., New York. Okonite electric wires.	U-8 769
Battery cells, separators, insulator hooks, sheet, rod, tubing, insulated wire, receivers, transmitters.		149. Paiste, H. T., Philadelphia.	
132. India Rubber & Gutta Percha Insulating Co., New York. Electric cables and cords.	Z-1 769	a Switches, meters, etc.	S-22 769
133. Jaeger, Charles L., Maywood, N. J. Automatic current regulator.	T-20 769	b Cut-outs; safety appliances.	770
134. Jenney Electric Motor Co., Indianapolis, Ind. Conductors, ammeters, voltmeters.	L-2 766	150. Pass & Seymour, Syracuse, N. Y. Cut-outs and switches.	T-3 770
135. Johns, H. W., M'fg Co., New York.	U-21 769	151. Pendleton Glass Tube & Pipe Works, Pendleton, Ind. Cast glass.	A-3&4 770
a Insulating sheets; vulcabeston.	769	152. Platt, O. S., Bridgeport, Conn. Switches.	U-16 769
b Moulded mica; asbestos.	770	153. Queen & Co. (Incorporated), Philadelphia. Meters; balances; voltmeters.	E-4 769
c Conduits.	771	154. Railway Equipment Co., Chicago.	
135a. Johns' Pratt Co., Hartford, Conn.		a Resistance boxes, insulators, switches, etc.	769
a Insulation materials for wires.	769	b Fuse wire, brackets and hangers.	770
b Insulation materials for construction purposes.	U-21 770		
136a. Lang, J., Chicago. Switches, single and double pole.	Z-1 769		
137. Lee, Charles E., Chicago. Automatic battery cut-out.	S-20 770		
137a. Leschen, A. S., & Sons, Rope Co., St. Louis. Wire rope.			
Exhibition tracks	769		
137b. Massachusetts Chemical Co., Boston.			
a Insulating compounds.	A-7 769		
b Armature varnish and paints.	770		

## Transmission of Electrical Current, Electric Motors.

Class'n No.	Exhibit No.	Class'n No.
r & Haaslacher, New York.	b Safety appliances.	770
supplies and appliances.	c Underground conduits.	771
S-9 769	166. Westinghouse Electric M'fg Co.,	
Insulated Wire & Cable Co.,	Pittsburg, Pa. B-1; J-2; H-2 & Dept. F	
Lead covered underground	a Regulators, long distance power	
for arc light circuits, rubber	transmission system.	769
erhead conductors for arc light	b Safety appliances; non-arcing light-	
insulated underground con-	ning arrestors, tank lightning arrest-	
police and fire-alarm service.	ors, and discharge lightning arrest-	
throughout the grounds.	ors.	770
ished the World's Columbian	"Stillwell" regulators.	
with the following conductors	"Wurts" lightning arrestors.	
For arc light, underground,	167. White, James, Glasgow, Scotland.	
les; for arc light, overhead,	Electrometers, rheostats, indicators, etc.	
les; for telephone, about 300	E-7 769	
e alarm, about 40 miles; for		
me, about 40 miles.		
; Geo.S., Chicago. Incandes-		
es.		
S-5 769		
d Electric Company, Chicago.		
s, wires, and electrical supplies.		
position service.		
P-2 769		
and protective appliances.		
770		
its.		
771		
d Paint Co., New York.		
ating compounds; tape; paper.		
T-18 769		
ture varnish and paints.		
770		
Electric M'fg Co., Pittsfield,		
ty appliances.		
Z-1 770		
d Underground Cable Com-		
urg, Pa.		
s and cable-boxes.		
L-5 769		
its, binding-posts and lightning		
ers.		
770		
its.		
771		
Goodhue & Ames, Chicago.		
ables.		
A-7 769		
n Electric Welding Co., Bos-		
tats, switches, etc.		
O-2 769		
appliances.		
770		
lectric Co., New York. Pipe-		
l conduits.		
F-8 771		
s, C. S., New York. Switches.		
R-6 769		
. A., New York. Swinging		
g arresters.		
U-16 770		
J. C., & Co., New York.		
W-2.		
Current Controller.		
769		
d Milli-ammeter.		
769		
rn & Moen M'fg Co., Wor-		
Light cables and wires.		
V-3 769		
Electric Co., Chicago.		
wires, rheostats, switches,		
tors; meters.		
A-34 & 5; Dept. F		
769		

## GROUP 127.

## Electric Motors.

168. Acme Filter Company, St. Louis. Di-	rect constant E. M. F. motors.	A-7 770
169. American Graphophone Co., Wash-	ington, D. C. Motors driving grapho-	
phones.	A-1 773	
A simple, portable machine operated by	electric motor, recording music or speech,	
and reproducing same accurately. In com-	mercial use dispenses with stenographer.	
100 automatic musical machines in opera-	tion in Fair buildings. Try one. Bronze	
medal, Paris.		
170. Ansonia Electric Co., Chicago. Mo-	tors.	Z-1 772
171. Baxter Electric Motor Co., Baltimore.	Electric motor.	Dept. G 773
172. Belknap Motor Company, Portland,	Me.	E-2
a Direct constant current motors.	772	
b Direct constant E. M. F. motors.	773	
173. Brush Electric Company, Cleveland,	Ohio.	
a Direct constant current motors.		
L-6-7 772		
b Direct constant E. M. F. motors.	773	
173a. Card Electric Motor & Dynamo Co.,	Cincinnati.	
a Electric motors, constant current.		
U-12 772		
b Electric motors, constant E. M. F.		
773		
c Electric motors, alternating cur-	rent.	774
174. Colburn Electric M'fg Co., Fitch-	burg, Mass. Electric motors.	L-4 773
175. Commercial Cable Co., New York.	Motors.	Y-2 773
177. Consolidated Electric Storage Co.,	Philadelphia. Motors.	R-2. 772

K

## Electric Motors.

Exhibit No.	Class'n No.	
178. Crocker Wheeler Electric Co., New York.		
<i>a</i> Direct constant current motors.	772	
<i>b</i> Alternating current motors.		
	Z-1	774
179. C. & C. Electric Motor Co., New York.		
Motors.	A-2	773
Manufacturers of standard motors of highest efficiency and best mechanical design and workmanship. Used for all power purposes.		
181. Eddy Electric Manufacturing Company, Windsor, Conn. Direct constant E. M. F. motors.	B-3	773
182. Edison M'f'g Co., New York. Electric motors.	S-2	773
183. Elektron Manufacturing Company, Springfield, Mass.	P-4	
<i>a</i> Direct constant E. M. F. motor.		773
<i>b</i> Alternating current motors.		774
184. Electrical Forging Co., Boston. Motor generator.	D-2	774
184a. Electric Appliance Co., Chicago. Electric motors.	U-16	774
185. Elwell-Parker Electric Co. (of America), Chicago.		
<i>a</i> Direct constant motors.	E-3	772
<i>b</i> Direct constant motors. E. M. F.		773
185a. Enterprise Electric Co., Chicago.		
<i>a</i> Motors, direct constant current.		
	U-11-b	772
<i>b</i> Motors, direct constant E. M. F.		773
<i>c</i> Motors, alternating current.		774
186. Excelsior Electric Company, New York.	B-5	
<i>a</i> Direct constant current motors.		772
<i>b</i> Direct constant E. M. F. motors.		773
<i>c</i> Alternating current motors.		774
187. Ford-Washburn Storelectro Co., Cleveland, Ohio. Motors.	U-15	773
188. Fort Wayne Electric Co., Fort Wayne, Ind.		
<i>a</i> Motors.	1-M-3	772
<i>b</i> Motors.		773
<i>c</i> Motors.		774
189. General Electric Company, New York and Boston.	H-2	
<i>a</i> Direct constant current motors.		772
<i>b</i> Direct constant E. M. F. motors.		
In service; B-4; C-1; H-2; J-1; N-1; Battle ship.		773
<i>c</i> Alternating current motors.		
	H-2; C-1; N-1	774
Electric motors for all power purposes.		
189a. Greeley, E. S., & Co., New York. Power motors.	F-8	772

Exhibit No.	Class'n No.	
190. Hanson & Van Winkle Co., Chicago.		
<i>a</i> Direct constant current motors.		
	L-4	772
<i>b</i> Direct constant E. M. F. motors.		773
193. Jenney Electric Motor Co., Indianapolis, Ind. Motors.	L-2	772
193a. Leavitt Motor Co., Providence, R. I. Battery motors.	Z-1	773
194. Mather Electric Co., Manchester, Conn. Direct constant E. M. F. motors.		
	M-1 & 2	773
Principal offices, 116 Bedford Street, Boston, Mass. Western department, 1002 Chamber of Commerce Bldg., Chicago.		
195. Meyrowitz, E. B., New York. Direct constant current motor.	W-2	772
196. Pratt Electro Medical Supply Company, Chicago.	U-11-a	
<i>a</i> Direct constant current motors.		772
<i>b</i> Direct constant E. M. F. motors.		773
197. Rockford Electric Manufacturing Company, Rockford, Ill. Direct constant potential motor. P-2; Depts. F & G		773
198. Smith Pneumatic Transfer & Storage Co., Chicago. Electric motors.		
	Dept. G	772
199. Standard Electric Company, Chicago. Constant current series motor.		
	O-1 & P-2	772
200. Stanley Electric M'f'g Co., Pittsfield, Mass. Motors.	Z-1	774
200a. Taylor, Goodhue & Ames, Chicago.		
<i>a</i> Alternating current motors.	A-7	773
<i>b</i> Continuous current motors.		774
<i>c</i> Electric generators.		
201. Union Electric Co., New York. Constant potential compound motors.	F-3	773
202. Union Electric Works, Chicago. Battery motors.	T-23	772
Inventions of Walter A. Crowder.		
203. Wagner Electric Manufacturing Company, St. Louis.	A-7	
<i>a</i> Direct constant current motors.		772
<i>b</i> Direct constant E. M. F. motors.		773
<i>c</i> Alternating current motors.		774
204. Western Electric Co., Chicago. Motors.	A-3 & 5	772
205. Westinghouse Electric & M'f'g Co., Pittsburgh, Pa.		
<i>a</i> Direct current motors.		
	H-1 & B-1 & 2	773
<i>b</i> Alternating motors, single phase, alternating motors, poly-phase, and motor transformers.	J-2	774
The above machinery in motion.		
206. Wing, L. J., & Co., New York. Motors.	P-10	772, 773
207. Zucker & Levett Chemical Co. New York. Motors.	F-2	773

## Application of Electric Motors.

## GROUP 128.

## tion of Electric Motors.

an Battery Company, Chicago.  
ys, novelties and domestic ap-  
T-9-a 777

a Electric Co., Chicago.  
ay motors. Z-1 775  
rs generally applied. 776

p Motor Company, Portland,  
e mills. E-2 776  
estic appliances. 777

Car Box Company, Springfield,  
et railway truck.  
H-2 & Dept. G 775

eld, Alonzo L., Paterson,  
matic, illuminating revolving  
777

Electric Co., Cleveland, Ohio.  
ng motors. L-6-7 775  
and motor. 776

all Car Co., St. Louis.  
Cav. H-1 775

rcial Cable Co., New York.  
rating telegraphic instruments.  
Y-2 777

C. Electric Motor Co., New  
tors generally applied. A-2 776  
ns for direct operation of trav-  
hoists, pumps, blowers, fans,  
y of all kinds.

Elevator Co., Chicago. Elec-  
ger elevator and power pump.  
& Woman's Building. 776

-Wheeler Electric Company,  
Electric motors. L-1 776

l, Gilmer, Brooklyn. Pressure  
reservoir. U-13-a 776

Electric M'fg Co., Jersey City,  
rs for street railways. F-7 775  
mounted on truck and equip-  
On exhibition tracks 776

Geo., Chicago. Motors gen-  
ed. T-3 776

& Dutton, Cleveland, Ohio.  
H-1 775

Launch & Navigation Co.,  
Electric passenger launches.  
On the lagoons. 776

al Machine Company, Chi-  
trical cloth cutting machine.  
Y-36 776

Exhibit Class'n  
No. No.

224. Elektron Manufacturing Company,  
Springfield, Mass. Electric elevators.  
P-4 776

225. Elwell-Parker Electric Construction  
Co. (of America), Chicago.  
a Motors applied to railways. E-3 775  
b Motors applied to elevators, etc. 776

226. Emerson Electric Manufacturing Com-  
pany, St. Louis. Alternating fan motor.  
U-16 776

228. Ford-Washburn Storelectro Co.,  
Cleveland, Ohio. Motors generally ap-  
plied. U-15 776

229. Fort Wayne Electric Co., Fort  
Wayne, Ind. Motors driving dynamo  
machines. M-8 776

229a. Franklin Electric Appliance Co.,  
Boston. Electrical mop machine.  
S-23 777

229b. Frisbie Elevator and Manufacturing  
Co., New Haven, Conn. Electric passen-  
ger elevator and appurtenances. Z-1 776

230. General Electric Company, New York  
and Boston.  
a Motors for railways.  
H-2; Intramural Railway and  
Dept. G 775  
b Motors for general application. B-6;  
C-1; H-2; J-1; N-1; Dept. F; Launch-  
es. 776  
c Motors for novelties. C-1 777

Street railway motors of highest effi-  
ciency. Electric motors for all power  
purposes.

231. Goulds M'fg Co., Seneca Falls, N.Y.  
Electric pump. Dept. G 776

232. Greeley, E. S., New York. Sewing  
machine, rotary fan and electrical chimneys.  
F-8 777

232a. Griffin Wheel & Foundry Co., Chi-  
cago. Car wheels. Dept. G 775

233. Hicks Troy Electric Door Co., Chi-  
cago. Electric automatic door opener.  
U-15 777

234. Illinois Alloy Co., Chicago. Railway  
trolley wheels. S-21 775

234a. Ingersoll Sargeant Drill Co., New  
York. Air Compressor, rock drill, coal  
cutter. J-3 776

235. Jackson & Sharp, Wilmington, Del.  
Electric railway. Intramural Ry. 775

236. Jenney Electric Motor Co., Indianap-  
olis, Ind. Motors applied to novelties.  
L-2 777

237. Jewell Belting Co., Hartford, Conn.  
Dynamo beltng. F-6 776

238. K. A. P. Electrical Novelty Company,  
La Crosse, Wis. Model globe, operated  
by electric motor. V-2 777

## Application of Electric Motors.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
238a. Kennedy Electric Co., Chicago. Underground traction system.	L-1 775	254. Rockford Electric Manufacturing Company, Rockford, Ill. Motor applied to generators and machinery.	P-2 776
239. Knights Coin Central Boot Blacking Co., Chicago. Electric boot blacking machine.	T-16-b 777	255. Schieren, Chas. A., & Co., Chicago. Dynamo belting; perforated leather raw hide rope.	D-3 776
239a. Knowles Steam Pump Works, Chicago. Mine and sinking pump.	N-1 776	Inventors and sole manufacturers of the celebrated Electric and Perforated Leather Belting, universally acknowledged to be the most reliable for electrical machinery and dynamos. Branches: Chicago, 46 S. Canal st.; Philadelphia and Boston. See our advertisement in Official Directory.	
239b. Laclede Car Co., St. Louis. Closed electric car. On exhibition track.	775	255a. Scofield, L. K., Chicago. Jewelry machinery operated by electricity.	P-7 777
241. Lidgerwood Manufacturing Company, New York. Mining hoist.	N-33 776	256. Short Electric Railway Co., Cleveland, Ohio. Railway motors and appliances, electric car.	L-6-7 775
241a. Mason Electric Co., New York. Fans, fan motors, motors operating sewing machines.	S-23 776	On Exhibition track.	
242. Mather, A. C., Chicago. Working models of cars and boats.	E-5 775	257. Sloss-Stein Electric Co., Chicago. Fan motors operated by batteries.	A-6-a 777
243. Mather Electric Company, Chicago. a Railway motors.	M-1-2 775	258. Steam Stone Cutter Company, Rutland, Vt. Electric channeling machine.	N-1 & Dept. E 776
b Elevator and general machinery motors.	776	259. Stephenson, John, & Co., New York. Street railway truck.	H-1&2 775
243a. McGuire M'fg Co., Chicago. Electric motor truck.	H-1 775	259a. Storey, J. E., Boulder, Col. Electric mining drills.	T-23 775
244. McIntosh Battery & Optical Co., Chicago. Batteries and machines applied to novelties.	W-3 777	260. Sperry Electric Co., Cleveland, Ohio. Street railway motors.	On Exhibition tracks. 775
245. Merrill Bros., Brooklyn, N. Y. Drop hammer, trimming press.	D-2 776	261. Taylor Electric Truck Co., Troy, N. Y. Street railway truck.	H-2 775
246. Munson, Chas., Belting Co., Chicago. Belting.	D-4 776	261a. Taylor, Goodhue & Ames, Chicago. Motors applied to general machinery.	A-7 776
Leading electricians and mechanical engineers recognize our Eagle Brand as the superior leather belt for heavy transmission. See our 84 inch belt on exhibit. Widest ever made under hydraulic press. Factory and general office, Chicago. Branches and agencies in all large cities.		262. Union Electric Co., New York. Electric launches.	F-8&4 and on lagoon. 776
246a. National Cash Register Co., Dayton, Ohio. Electric cash register.	H-6 777	263. Union Electric Works, Chicago. a Battery motors applied to general machinery.	T-23 776
247. New York Air Brake Company, New York. Air brake equipment.	H-2 775	b Battery motors applied to novelties.	777
248. Otis Bros. & Co., New York. Electric elevators and electric pumps.	Dept. G 776	264. Vetter, J. C., & Co., New York. Domestic appliances.	W-2 777
249. Page Belting Co., Chicago. Dynamo belting.	D-5 776	265. Webb, G. F., Cleveland, Ohio. Electric novelties and domestic appliances.	Y-44 777
249a. Pelton Water Wheel Co., New York. Water wheel.	B-1-2 776	266. Western Electric Co., Chicago. a Motors applied to street railways.	A-3-4&5; Dept. F 775
249b. Pierce, S. M., Chicago. Electric fan motors.	A-6-b 776	b Motors applied to general machinery.	776
250. Powell, Wm., Company, Cincinnati. Electrical machinery; oil cups for motors, etc.	U-18 776	c Motors applied to novelties.	777
Signal oilers, lubricators, valves and engine trimmings for dynamos and motors.			
251. Pratt Electric Medical Supply Company, Chicago. Electric novelties.	U-11-a 777		
253. Robinson Electric Truck and Supply Co., Boston. Street railway truck.	H-2 775		

## Application of Electric Motors, Lighting by Electricity.

Class'n No.	Exhibit No.	Class'n No.
house Electric Mfg Co., J-2; H-1; & Dept. G applied to railways. 775	276. Colburn Electric Mfg Co., Fitchburg Mass. Incandescent system. L-4 779	
applied to general Ma- 776	278. Cutter, Geo., Chicago. a Arc system fixtures. T-3 778	
applied to mining ma- 775	b Incandescent system fixtures. 779	
Wm. Jr., & Co., Philadel- 775	279. Eddy Electric Co., Windsor, Conn. Power generators. B-3 778	
railway truck and rails. H-2 775	280. Electrical Specialty Company, Denver, Col. Single push flush switch. S-7-a 779	
J., & Co., New York. Disc or; exhaust fans and venti- P-10 776	280a. Electric Appliance Co., Chicago. Incandescent lamps. U-16 779	
of Wing's disc fans, engines, er sanitary goods for heating, ling and lighting. Highest r exhibited. S. Dental Manufacturing phia. Electric motors for nces. U-27 777	281. Electrical Forging Company, Boston. a Lamps, fixtures and appliances for arc lighting. D-2 778	
ton, Henry R., New York. p. H-1 776	b Incandescent systems. 779	
Levett Chemical Co., New s, cranes and organs. F-2 778	282. Electric Selector & Signal Co., New York. Arc light cut-outs. 2-U-19 77	
GROUP 129.	283. Elektron Manufacturing Company, Springfield, Mass. Incandescent lighting and appliances. P-4 779	
ng by Electricity.	284. Elwell-Parker Electric Construction Co. (of America), Chicago. a Arc systems. E-3 778	
Reflector & Lighting Co., andescent screen reflectors. Art Palace 779	b Incandescent systems. 779	
Electric Co., Chicago. ems. Z-1 778	284a. Equitable Dynamo Co., Chicago. O-1&R-4 778	
scent systems. 779	a Series arc lighting system. 778	
Motor Company, Portland, ting appliances. E-2 778	b Incandescent system with appli- ances. 779	
scent lighting appliances. 779	285. Excelsior Electric Company, New York. a Arc lamps and appliances. B-5 778	
ctric Company, Cleveland, em and appliances; operat- t. L-6-7 & Dept. F 778	b Incandescent system and appli- ances. 779	
scent system and appli- 779	286. Ford-Washburn Storelectro Co., Cleveland, Ohio. Incandescent lighting. U-15 779	
ectric Co., Chicago. Incan- dences and appliances. R-8 779	287. Fort Wayne Electric Co., Fort Wayne, Ind. a Arc system fixtures. M-3 & Dept. F 778	
ctric Motor & Dynamo ps and fixtures. U-12. 778	b Incandescent system fixtures. 779	
scent lamps and fixtures. 779	288. General Incandescent Arc Light Co., New York. Arc lamps for incandescent circuits. E-6 778-779	
lectric Motor Co., New generators. A-2 779	289. General Electric Company, New York and Boston. a Search lights and arc system; lumin- ous electrical fountains. Battle ship B-4; C-1. 778	
rators for power plants in lectric railways, etc. Cen- ons equipped. Large ex- plete power plants for man- 779	b Incandescent system. C-1; I-31; J-1; M-4; O-3; Intramural Rail- way. Battle ship; Exposition serv- ice. 779	
	Edison Incandescent Lamp is the only law- fully made incandescent lamp. Edison feeder system is the only perfect system of distribution. Arc and search lights of the highest efficiency.	

K

## Lighting by Electricity.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
290.		304.	
<b>General Fixture Company, New York.</b>		<b>Paiste, H. T., Philadelphia.</b>	
a Fixtures for incandescent light.		a Appliances for arc system. S-23	778
Battle ship.	779	b Appliances for incandescent system.	778
b Arc fixtures.			
B-4; C-1; I-1; J-1; M-4; N-1; O-3	778	305.	
291. <b>Greeley, E. S., &amp; Co., New York.</b>		<b>Phoenix Glass Co., Pittsburgh, Pa.</b>	
a Arc lighting.	F-8	Electrolites, globes, shades, etc. I-1	778
b Incandescent lighting.	779	Manufacturers of electric light globes, shades, etc. Our specialty: Glass as applied to electrical illumination; novel and artistic designs in rich cut, etched, colored, etc. Pittsburgh, Pa., 43 Sixth Ave. New York, 42 Murray St. Chicago, Wabash Ave., corner Lake St.	
c Arc lamps on incandescent circuit.			
292. <b>Hanson &amp; Van Winkle Co., Chicago.</b>		305a. <b>Queen &amp; Co. (Incorporated), Philadelphia.</b>	
Incandescent lighting.	L-4	Arc lights for projection.	E-7
293. <b>Healy &amp; Millet, Chicago.</b>			
Orna- mental glass for electric effects. A-4-5	779	307. <b>Rauda, Otto, New York.</b>	
293a. <b>Helios Electric Co., Philadelphia.</b>		Electric scarf pin.	Z-1
Arc lamps for incandescent circuits.	Z-1		778
	778-779	308. <b>Sosman &amp; Landis, Chicago.</b>	
294. <b>Hirsh, Joseph M., Chicago.</b>		Scenic stages, curtains.	A-4-5
Incandescent lamps with and without vacuum.	O-4		779
	779	309. <b>Standard Electric Company, Chicago.</b>	
296. <b>International Automatic Light &amp; Power Co., Chicago.</b>		Arc systems, lamps, fixtures and appliances. Exposition service.	O-1&P-2 & Dept. F
a Arc lighting.	U-3		778
b Incandescent lighting.	779	310. <b>Standard Underground Cable Company, Pittsburgh, Pa.</b>	
297. <b>Jenney Electric Motor Co., Indianapolis, Ind.</b>		Lamp cord. L-5	778
Incandescent system. I-2	779	311. <b>Star Electric Lamp Co., Chicago.</b>	
298. <b>Johns, H. W., Mfg. Co., New York.</b>		Incandescent lamps.	Z-1
Appliances for incandescent lighting.	U-21		779
	779	312. <b>Star Iron Tower Company, Fort Wayne, Ind.</b>	
299. <b>K. A. P. Electric Novelty Co., La Crosse, Wis.</b>		Tower and mast arms for electric lights.	W-4
Incandescent wiring system and socket.	V-2		778
299a. <b>Lang, J. &amp; Co., Chicago.</b>		313. <b>Taylor, Goodhue &amp; Ames, Chicago.</b>	
a Switches for electric circuit, arc.	Z-1	a Arc system.	A-7
	779	b Incandescent system.	779
b Switches for electric circuit, incandescent.	778	313a. <b>Union Electric Co., New York.</b>	
299b. <b>Lowell-Spofford M'f'g Co., Lowell, Mass.</b>		Incandescent lighting by secondary batteries.	F-3&4
Carbon calcium arc lamp.	S-23		778
	778	314. <b>Union Electric Works, Chicago.</b>	
300. <b>Mather Electric Company, Chicago.</b>		Incandescent lamps operated by batteries.	T-23
Systems of incandescent lighting.	M-1&2		779
	779	315. <b>Vetter, J. C., &amp; Co., New York.</b>	
300a. <b>McDougall &amp; Cummings, Chicago.</b>		Incandescent current adapter and tap.	W-3
Arc lamps for incandeseent circuits.	T-6		779
	778-779	316. <b>Walworth M'f'g Co., Boston.</b>	
301. <b>National Carbon Co., Cleveland, Ohio.</b>		Ray and arc light poles.	G-1
Arc light carbons. T-13-a	778		779
Manufacturers of solid and cored carbons of every variety and for every known system of arc lighting; also all varieties of carbon brushes for dynamo and motor work; also all sizes of carbons for smelting aluminum and other metals, and a vast variety of battery elements.		316a. <b>Waring Electric Co., Manchester, Conn.</b>	
302. <b>New York &amp; Ohio Co., Warren, Ohio.</b>		Incandescent lamp. M-1-2	779
Incandescent lamps. U-16	779	The "Novak," the only lamp that maintains its full candle power during its life, at its initial efficiency. Clafin & Kimball (Inc.), gen'l selling agts., 116 Bedford St., Boston, and 1002 Chamber of Commerce, Chicago. Lighting Sec. M. Electricity Building and Libbey Glass Works, Midway Plaisance.	
Manufacturers of the Packard high-grade incandescent lamp. Five to five hundred candle power.		317. <b>Western Electric Company, Chicago.</b>	
		a Arc system and appliances.	A-3-4&5 & Dept. F
		b Incandescent system and glass for light effects.	G-1
			778

## ig by Electricity, Electro-Metallurgy and Electro-Chemistry.

Class'n  
No.  
House Electric & M'fg Co.,

arc lighting system.  
on service. H-1; B-1&2;  
J-2 & Dept. F 778  
incandescent lighting sys-  
tem. Dept. F 779  
forms the largest and most  
station ever erected in the  
and furnishes current for  
incandescent and a large  
lighting in World's Fair  
buildings.  
J., Lexington, Mass. Sus-  
tor arc lamps. C-1 778  
Levett Chemical Co., New

for arc systems. F-2 778  
for incandescent systems.  
779

## GROUP 130.

## by Electricity.

Electric Heating Co., Bos-

for warming and heating  
city. Z-1 780  
heating appliances in in-  
stallations. 781  
ovens. 782  
furnaces. 783

Electric Co., Chicago.  
heating apparatus. Z-1 780  
heating apparatus. 781  
782

Electric Company, Richmond,

heating appliances. A-7 780  
for heating flat irons. 781  
Electric Heater Company,  
rich heaters. T-7 780

Electric Storage Co.,  
Storage batteries applied  
R-2 781

, Chicago.  
apparatus. T-3 780  
for flat irons, etc. 781

Forging Co., Boston.  
tating generators. D-2 781  
process for heating metals  
783

S., & Co., New York.  
tus. F-8 781

Automatic Light &  
ago. Electric heating ap-  
U-3 780

Exhibit  
No.

329. Johns, H. W., Mfg. Co., New York.  
Asbestos sheathing and fire felt.

U-21 783

330. K. A. P. Electric Novelty Co., La  
Crosse, Wis. Hair curler. V-2 781

330a. Leveridge, F. H., Chicago. Heater  
operated by electricity. V-1 783

331a. Taylor, Goodhue & Ames, Chicago.  
Cooking utensils and electric heating ap-  
paratus. A-7 780

332. Western Electric Co., Chicago.  
a Industrial heating apparatus. A-9-4&5 781  
b High temperature ovens. 782

## GROUP 181.

Electro-Metallurgy and Electro-Chem-  
istry.

333. Colburn Electric M'fg Co., Fitchburg,  
Mass.

a Electrotyping. L-4 784  
b Electroplating. 785  
c Electro deposition of metals. 786  
d Electrolytic separation processes. 787

334. Eddy Electric Manufacturing Com-  
pany, Windsor, Conn.

a Electrotyping. B-3 784  
b Plating, gilding, etc. 785

335. Electrical Forging Co., Boston.  
a Electrolytic metal separation.  
D-2 787

b Automatic electric forge.

336. Elwell-Parker Electric Construction  
Co. (of America), Chicago.

a Instruments for electro-chemistry.  
E-3 786

b Instruments for electro-metallurgy.  
787

337. Excelsior Electric Company, New  
York.

a Electrotyping. B-5 784  
b Electro plating, gilding and nickel-  
ing. 785  
c Electro deposition of metals. 786  
d Electrolytic separation of metals  
from ores. 787

337a. Fern, J. J., Brooklyn, N. Y. Electro-  
plating, burnishing and finishing.

E-4-b 785

338. General Electric Company, New York  
and Boston. Magnetic separator for sepa-  
rating iron ores. J-1 787

339. Greeley, E. S., & Co., New York.  
a Electrotyping. 784

b Electro plating, gilding, etc.  
F-8 785

K

## Electric Forging, Electric Telegraph and Electric Signals.

Exhibit No.	Class'n No.
340. Guillaume, Alfred, Chicago. Smelting furnace.	T-4 787

341. Hall, C. F., Chicago.	
a Method of electro-plating.	U-17 785
b Electro-plated goods.	786

342. Hanson & Van Winkle Co., Chicago.	
a Electrotyping.	L-4 784
b Gilding and plating.	785
c Electrolytic separation of metals.	787

We furnish complete outfits for electroplating, electrotyping, polishing, buffing and lacquering. We are the largest manufacturers of pure nickel anodes, nickel salts, cyanide potassium, and other chemicals used by platers. Turkish emery, pumice stone, walrus hides, buff wheels, lacquers, etc. Factory, Newark, N. J. Branches, 81 Liberty St., New York, and 35 & 37 S. Canal St., Chicago. Established 1820.

342a. Hirsh, Joseph M., Chicago.	
a Electro plating of aluminium.	O-4 785
b Electro deposition of aluminium.	786
c Electro separation of aluminium.	787

343. Johns, H. W., M'fg Co., New York.	
Insulating material.	U-21 786

343a. Hanson & Van Winkle, Chicago.	
Process of gold, silver and nickel plating.	L-4 785

344. McIntosh Battery & Optical Co., Chicago.	
Batteries for electro-plating, gilding and nickeling.	W-3 785

345. Ringler, F. A., New York.	
a Photo-electrotyping.	R-1-a 784
b Electro-plating.	785
c Electro-deposition of metals.	786

The largest printing plate manufacturing establishment in the world, by the electrotype, stereotype and all other methods of photo-engraving. Send for a copy of "The New York Photo-Engraver and Electrotyper." See Official Directory advertisement.

346. Roessler & Hasslacher Chemical Co., New York.	
Isolatine and isolatine paint.	S-9 785

Isolatine, sal ammonia, cyanide.

346a. Taylor, Goodhue & Ames, Chicago.	
Electro plating dynamos.	A-7 785

346b. Westinghouse Electric & M'fg Co., Pittsburgh, Pa.	
Electro-plating.	J-2 785

Alternating current power transmission exhibit.

Exhibit No.	Class'n No.
347. Zucker & Levett Chemical Co., New York.	

a Electrotyping.	787
b Electro-plating.	788
c Electro-deposition.	789
d Polishing and buffing materials.	790

Headquarters for Nickel and Electro-plating Outfits and Polishing Materials. Sole Manufacturers of the Improved American Dynamo for Electro-plating and Electrotyping, etc. See also groups 125, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

## GROUP 132.

## Electric Forging, Welding, Stamping, Tempering, Brazing, Etc.

348. Billings & Spencer Co., Hartford, Conn.	
a Forged commutator bars.	R-7-a 785
b Construction tools.	786

349. Electrical Forging Co., Boston.	
Forgings, weldings and apparatus.	D-2 786

349a. Hirsh, Joseph M., Chicago.	
Apparatus for forging, welding and joining aluminium.	O-4 785

350. Phelps, A. H., Glens Falls, N. Y.	
Brazing and engraving.	U-20-b 786

350a. Scofield, L. K., Chicago.	
Electrical stamping machine.	P-7 786

351. Thomson Electric Welding Co., Boston.	
a Forging and welding of metals.	O-35 786

b Brazing by electricity.	789
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Complete plants furnished for all methods of welding, forging, shaping, brazing, soldering and riveting by electricity.

## GROUP 133.

## Electric Telegraph and Electric Signals.

352. Ansonia Electric Co., Chicago.	
Annunciators.	Z-1 782

Ansonia Gravity Needle Annunciator. Best instrument of its kind. Made in all sizes.

352a. Axford, H. W., Chicago.	
Fire alarm thermostat.	S-12 785

352b. Bunnell, J. H., & Co., New York.	
Keys, sounders, transmitters, repeaters, etc. In U. S. Naval Observatory.	789

353. Cleveland Electric M'fg Co., Cleveland, Ohio.	
Watchman's time detectors.	A-8-b 781

353a. Cleveland Electric Manufacturing Co.	
Workman's time recorder.	A-8-a 781

354. Commercial Cable Co., New York.	
Automatic and multiplex transmitters.	Y-3 780

## Electric Telegraph and Electric Signals.

	Class'n No.	Exhibit No.	Class'n No.
ted Electric Storage Co., Signaling apparatus.		f Police and burglar alarm apparatus.	
R-2	796		795
en Automatic Fire Alarm		g Railroad signal apparatus.	796
stats.	S-14	369. Holmes, Nathaniel L., Coldwater, Mich. Dining service, menugraph.	W-1 790
rm apparatus.	794		
Clock Co., Chicago. Elec-	R-5	370. Hurd, John F., Chicago. Electric coat-thief and pickpocket detector.	S-13 795
	791		
E. M., Chicago. Auto-		370a. Jaeger, C. L., Maywood, N. J. Electric revolution counter.	T-20 790
all.	T-14-c	792	
Heat Alarm Co., Boston.	Y-35	371. Lawton, Harry A., & Mott, Kennon, Brunswick, Ga. Electrical call and clock annunciator.	Y-45-b 792
reto Clock Co., Boston,	D-2	372. Lee, Charles E., Chicago. Annunci- ator.	S-20 792
s.	791		
lector & Signal Co., New		375. Newman Clock Mfg. Co., Chicago. a Watchman's electrical and mechan- ical clocks.	791
elegraph service. U-19	790	• b Annunciators; guest calls; alarm signals.	Y-40 792
l block signals.	796		
hermostat Co., Minneapolis,		375a. Non-Magnetic Watch Co., New York. Non-magnetic watches and appli- ances.	R-4 791
ic automatic thermostat.	Z-1		
	793	375b. Pinkham, Wm. Boston. Letter box with tell-tale attachment.	Z-1 795
rker Electric Construction		376. Police Telephone & Signal Co., Chi- cago. Police telephone and signal ap- paratus.	V-1 795
a), Chicago. Railroad sig-	E-3		
	796	377. Rauscher, John, St. Paul, Minn. Push buttons.	T-13-c 790
Sherman, New York.	R-4	Specialties for electrical appliances, artistic turning in all materials.	
raph.	790	377a. Stevenson & Hoggson, St. Louis. Perpetual calendar, date and time stamp operated by electricity.	E-8-b 791
Electric Co., Chicago.		377b. Rowell-Potter Safety Stop Co. Block signal apparatus, safety signals.	Dept. G 796
automatic printing tele-	U-11-b		
	790	378. Striemer, A., Hayward, Wis. a Guest call apparatus.	S-6-c 790
Fire Alarm Telegraph		b Fire alarm indicator.	794
ago.			
m.	T-10	380. Strowger Automatic Telephone Ex- change, Chicago. Transmitting and re- ceiving apparatus.	T-7 790
gnal telegraphs.	795	381. Tate Automatic Signal Co., Chicago. Model of block signal system.	Y-37 796
N. F., Washington, D. C.		382. Todd-Applegate Co., Chicago. Tel- emeter and recorder.	S-4 790
etting tabl. and apparatus		384. Western Electric Co., Chicago. a Systems of transmitting and receiv- ing.	A-3-4&5 790
ing time signals.	790	b Annunciators.	792
ully controlled and con-		c Thermostats.	793
transmitting clock for send-		d Fire alarm apparatus.	794
signals.	791	e Police telegraph and burglar alarm apparatus.	795
tat electrically controlled			
g chronometers.			
Naval Observatory	793		
g device and time ball.			
Government Bld'g	791		
Electric Company, New			
ton. Dynamos for quad-			
phic service.	J-1		
	791		
O. F., Chicago. Electric			
cs.	T-14-a		
sha, Highland Park, Ill.			
aph apparatus.	W-5		
	790		
S., & Co., New York.			
for transmitting and re-	F-8		
	790		
aphs.	791		
tors.	792		
tats.	793		
n apparatus.	794		

K

## Telephone and Appliances, Phonographs, Electricity in Surgery.

Exhibit No.	Class'n No.
385. Wilder Duplex Electric Burglar Alarm & Messenger Co., Chicago and New York.	
a Messenger and fire alarm boxes.	A-6-a 794
b Burglar alarm.	795

## GROUP 134.

## The Telephone and Its Appliances. Phonographs.

386. American Bell Telephone Co., Boston. Exhibit of history and development of telephony.	G-1 804
387. American Graphophone Co., Washington, D. C.	
a Graphophones.	S-14 806
b Talking machines.	807
388. Brixey, W. R., New York. Telephone cables.	T-2 797
Day's "Kerite" submarine, aerial, underground, telephone, telegraph and electric light cables a specialty.	
388a. National Electrical Manufacturing Co., Milford, Conn. Nickel messenger box.	Z-1 802
388b. Pratt Electro Medical Supply Co., Chicago. Transmitting and receiving apparatus for long and short distance work.	U-11-a 800-801
390. Consolidated Electric Storage Co., Philadelphia. Storage batteries applied to telephones.	R-2 804
390a. Ebert, Wm., Pullman, Ill. Electric messenger service.	Z-1 802
390b. Edwards & Co., New York. Signaling apparatus.	802
391. Electric Selector & Signal Co., New York. Telephone signaling apparatus.	U-19 802
391a. Elektron M'fg Co., Springfield, Mass. Motor generators for telephone central stations.	P-4 802
392. Elgin Telephone Company, Elgin, Ill. Acoustic telephone and apparatus.	T-13-b 804
393. Greeley, E. S., & Co., New York.	
a Telephone wires and cables.	F-8 797
b Protective devices.	798
c Switchboards.	799
d Telephone supplies.	804
394. Marcus, Wm. N., Philadelphia.	
a Telephone mouth-piece.	S-6-b 800
b Rest for telephone receiver.	806
395a. National Conduit M'fg Co., New York. Underground conduit.	L-5 797
396. North American Phonograph Company, Chicago. Phonographs and appliances.	S-2 806

Exhibit No.	Class'n No.
397. Norwich Insulated Wire Co., New York. Telephone cables.	T-16-a 797
397a. Safety Insulated Wire & Cable Co., New York. Rubber covered conducting and cables for Exposition telegraph service. In service throughout grounds.	797
398. Sponholz, Clare L., Lowell, Mass. Telephone register directories.	T-14-b 800
399. Standard Underground Cable Company, Pittsburgh, Pa.	
a Telephone cables.	L-5 797
b Protective devices.	798
c Wire.	799
d Devices for telephone operation.	800
400. Strowger Automatic Telephone Exchange, Chicago.	
a Switchboards.	T-7 797
b Operation of telephones.	804
401. Washburn & Moeen Mfg. Co., Worcester, Mass. Telephone cables and wires.	V-3 797
402. Western Electric Co., Chicago.	
a Cables, construction and underground work.	A-3-4&5 797
b Special protective devices.	799
c Switchboards.	799
d Transmitting apparatus.	800
e Receiving apparatus.	801
f Signaling apparatus.	802
g Long distance systems.	803
h Systems of operation.	804
i Subscribers' apparatus.	805
403. Wullweber, O. L., Chicago.	
a Telephone transmitting apparatus.	S-6-a 800
b Telephone receiving apparatus.	801

## GROUP 135.

## Electricity in Surgery, Dentistry and Therapeutics.

404. Consolidated Electric Storage Co., Philadelphia.	
a Cautery apparatus.	R-2 806
b Surgical and dental apparatus.	U-6 809
405. Electro Medical Battery Company, Kalamazoo, Mich. Pocket battery.	S-7-b 809
406. General Electric Company, New York and Boston. Dental drill.	H-3 809
Electric motors for all purposes.	
407. Greeley, E. S., New York.	
a Cautery apparatus.	F-8 802
b Surgical and dental apparatus.	809
408. K. A. P. Electric Novelty Co., La Crosse, Wis.	V-2 802
a Dynamic cautery apparatus.	806
b Surgical apparatus.	809

## City in Surgery, Application of Electricity, History and Statistics.

	Class'n No.	
H. A., & Mott, Kennon, Ga. Electric eyeglass and une. Y-45-b	809	
h Battery & Optical Co., atteries and instruments ap- perry, dentistry, etc. W-3	809	
Electric Co., New York. ry batteries. S-28	808	
lamps and motors.	809	
Dr. G., Newark, N. J. Ap- physicians' use. S-7-b	809	
usively on its merits. Simple its application.		
itz, E. B., New York. Elec- W-2	809	
rk & London Electric Assoc- as City, Mo. Pocket medi- Y-34	809	
Dr. A., Chicago. Apparatus on of electrical current. U-1	809	
Electric Medical Supply Com- Co. apparatus. U-11-a	808	
aces for therapeutic work and and dental remedial agencies.	809	
honic stethoscope.	810	
es and appliances for elec- 811		
acher Galvanic Co., Cincin- le batteries, etc. Y-45-a	809	
Co.(Incorporated), Philadel- ry apparatus. E-7	808	
Electric M'fg Co., Chicago. eries. A-6-a	809	
Electric Co., New York. y apparatus. F-3	808	
il apparatus, aluminum head dental engines, medical bat- 809		
atus for diagnosis.	810	
Electric Works, Chicago. y batteries. T-23	808	
Valter A. Crowdas. c dental engines and appli- 809		
Valter A. Crowdas. pneumatic dental engines illets. 809		
Valter A. Crowdas. C., & Co., New York. dical apparatus and electro liances. W-2	809	
& Bartlett. Electric med- is. U-26	809	

Exhibit No.	Class'n No.	
417.		Webb, G. F. Cleveland, Ohio. a Cautey appliances. Y-44 808 b Appliances for therapeutic purposes. 809 c Apparatus for diagnosis. 810
418.		White, S. S., Dental Manufacturing Company, Philadelphia. Dental surgical apparatus. U-27 809
418a.		Worth, N. G., Chicago. Electrical dynamite gun. T-14-c 811

## GROUP 136.

Application of Electricity in Various  
Ways not Hereinbefore Specified.

419.	Axford, H. W., Chicago. Electric incubators. S-12	818
	Using electricity, gas or oil. Round ma- chines. 18 years of successful hatching. May be left alone 48 hours.	
420.	Commercial Cable Co., New York. Writing apparatus. Y-2	814
421.	Cutter, Geo., Chicago. Gas light- ing. T-3	812
422.	Electric Gas Company, Boston. Gas lighting by electricity. R-3	812
423.	Franklin Electric Appliance Co., Bos- ton. Heat regulator appliances. S-23	813
423a.	Greeley, E. S., & Co., New York. Gas lighting apparatus and blasting ap- paratus. F-8	812
424.	Holtzer Carbon Electric Co., Boston. Electric automatic burner. Z-1	812
425.	Knapp & Buckley, Chicago. Histori- cal collection of lightning rods. S-10	816
426.	Lee, Charles E., Chicago. Temper- ature regulator. S-20	818
427.	Sloss-Stein Electric Co., Chicago. Electric gas lighters. A-6-a	812
428.	Vetter, J. C., New York. Ignition of explosives, etc. W-2	812
429.	Western Electric Co., Chicago. a Ignition of explosives and gas light- ing. A-3-4&5	812
	b Pens. 814	
429a.	Westinghouse Electric & M'fg Co., Pittsburg, Pa. High tension and high frequency discharges. B-1	812
430.	Wing, L. J., & Co., New York. Iso- lated electric lighting. P-10	812
430a.	Ansonia Electric Co., Ansonia, Conn. Historical dynamos and motors. Z-1	816

## GROUP 137.

History and Statistics of Electrical  
Inventions.

431a.	Edison, Thos. A., Orange, N. J. Historical exhibit. J-1&S-2	816
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## History and Statistics, Progress and Development, Construction and Repairs.

Exhibit No.	Class'n No.
432. Electrical Engineer, New York. Electrical books and publications.	Y-30 817
433. Electrical Industries Publishing Company, Chicago. Electric books and publications.	Y-27 817
434. Electrical Review, New York. Electrical books and publications.	Y-33 817
435. Electrical World, New York. Electrical books and publications.	Y-28 817
436. Electricity Newspaper Company, New York. Electrical books and publications.	Y-32 817
436a. Fort Wayne Electric Co., Ft. Wayne, Ind. Historical working dynamo and arc lamp.	M-3 816
437. General Electric Company, New York and Boston.	
a Historical models.	C-1 816
b Historical works.	817
438. Gray, Elisha, Highland Park, Ill. Objects illustrating electrical development.	W-5 816
438a. Knapp & Buckley, Chicago. Historical collection of lightning rods.	S-10 816
439. McIntosh Battery & Optical Co., Chicago. Apparatus illustrating the phenomena of electricity.	W-3 816
439a. Munson Lightning Construction Co., Indianapolis, Ind. Historical exhibit of lightning rods. Rooms of Am. Inst. of Elect. Engineers.	816
440. National Engraving Machine Co., Chicago. Jewelers' engraving machine.	S-8 816
440a. Street Railway Journal, New York. Electric and street railway publications.	Y-28 817
441. Thomson Electric Welding Co., Boston. Objects illustrating electrical progress.	O-2 816
442. Western Electric Co., Chicago. Objects illustrating electrical progress.	A-3-4&5 816
443. Western Electrician, Chicago. Electrical books and publications.	Y-32 817
444. Western Union Telegraph Company, Chicago. Collective exhibit.	V-8 816

## GROUP 138.

**Progress and Development in Electrical Science and Construction, as Illustrated by Models and Drawings of Various Countries.**

444a. Creighton, Wm. G., Norwood Park, Ill. Drawings of Electric street railway conduit. Rooms of Am. Inst. of Elect. Engineers.	818
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Exhibit No.	Class'n No.
444b. General Electric Company, New York and Boston. Patent exhibits.	J-1 816
445. Gray, Elisha, Highland Park, Ill. Models and drawings.	W-5 816
446. Western Electric Co., Chicago. Models and drawings.	A-3-4&5 818
446a. Woods, G. T., New York. Map of electrical diagrams.	Y-25 818

## GROUP 188 A.

## Construction and Repairs.

447. Billings & Spencer Co., Hartford, Conn.	
a Construction and repairing tools.	R-7 a
b Commutators, bars and rings, nuts and eye bolts.	g
448. Briggs, Orlando P., Chicago. Attachment for automatic machine.	A-4&5 a
448a. Brush Electric Co., Cleveland, Ohio.	
a Carbons.	L-6&7 d
b Direct coupled engines and dynamos.	j
449. Case, J. L., Engine Company, New Britain, Conn. Engines driving dynamos.	H-2 & C-1 b
450. Chicago Belting Co., Chicago. Rivetless dynamo belting.	F-5 b
450a. Central Electric Co., Chicago. Electric light battery and brush carbons.	U-8 d
451. Curtis Electric Manufacturing Company, Jersey City, N. J. Apparatus used in electrical construction.	F-7 a
452. Diamond Mills Emery Co., Philadelphia. Powdered and grained emery.	L-4 a
453. Edison, Thomas A., Orange, N. J. Kinetograph.	J-1 b
454. Electric Forging Company, Boston.	
a Construction tools and apparatus.	D-2 a
b Application of metals in electrical construction.	g
455. Electric M'f'g Co., Dayton, Ohio. Pulleys and wire holders.	Z-1 a
456. Electric Pipe Bending Co., Harrison, N. J. Coil, pipe and round wire.	O-2 a
a Round, oval, zigzag and special forms of pipe work. Also flanges and fittings.	
456a. Electric Railway Equipment Co., Cincinnati. Iron poles for electric road.	
Exhibition track.	a
456b. Elektron M'f'g Co., Springfield, Mass. Direct coupled engines and dynamos.	P-4 j

## Construction and Repairs.

Class'n  
No.  
Tempered Copper Company,  
Pa. Tempered copper arti-  
U-14 g  
rivet & Machine Co., New  
shafting, clutches, etc. M-3 b  
Electric Company, New  
oston.  
ratus for electrical construc-  
und repair. C-1; H-2; M-4;  
ept. F-PP. Intramural rail-  
Battleship. a  
wheel coupled to dynamos. N-1 b  
n and its application. B-4 d  
for construction of electrical  
utis. O-3  
coupled engine dynamos.  
I; O-3; Dept. F-PP. g  
ural railway; Battleship. j  
Knight M'f'g Co., Worces-  
belting. A-4-5 b  
E. S. & Co., New York.  
tools, trolley fixtures, line  
c. F-8 a  
ger, A., & Son, Allegheny  
e for making rawhide pinions  
etric work. 1-E-6-B a  
g, belting, etc. b  
lloy Co., Chicago. Alumi-  
g; anti-friction metal for  
motor bearings. S-21 g  
Sergeant Drill Company,  
pressors. N-1 b  
rills.  
tters.  
Parker, Melcher & Ingra-  
Washington St., Chicago.  
lting Co., Hartford, Conn.  
ectrical generators. F-b b  
upply Co., Boston. Anti-  
e for car bodies. Dept. G b  
Engineering Works, Buf-  
ngines applied to electric  
& Intramural Ry. Dept. F. b  
M. & Son, Au Sable,  
onal poles for railway track.  
Exhibition track a  
os., Brooklyn, N. Y. Drop  
remining press. D-2 a  
Chas., Belting Company,  
amo belting. D-4 b  
Saynour & Co., Auburn,  
s driving dynamos. C-1 b  
Carbon Co., Cleveland, O.  
s. T-13-a d

Exhibit  
No.  
Class'n  
No.  
469a. National Engraving Machine Co.,  
Chicago. Jewelers engraving machine. S-8 c  
470. Oehring, A. J., Chicago. Multiple  
drill press. A-4&5 a  
471. Page Belting Co., Chicago. Elec-  
tric machinery belting. D-5 b  
472. Pelton Water Wheel Co., San Fran-  
cisco, Cal. Water wheel. B-1-2; N-1 b  
472a. Railway Equipment Co., Chicago.  
Trolley clamps, feeder ears and pole  
rackets. Exhibition track a  
473. Reliance Gauge Co., Cleveland, Ohio.  
Water gauges and floats. T-5 a  
473a. Schieren, Chas. A., & Co., Chicago.  
Belting for electrical generators. D-3 b  
474. Standard Underground Cable Com-  
pany, Pittsburg, Pa. Cable construction  
tools. L-5 a  
475. Stevens, N. P., Concord, N. H.  
Splicing electric light carbons. R-7-b d  
475a. Union Electric Co., New York.  
Electricon anti-friction or lubricating  
metal. F-3&4 k  
476. Walworth M'f'g Co., Boston. Rail-  
way and arc light poles. H-2 a  
478. Western Electric Company, Chicago.  
a Electrical construction apparatus.  
A-3-4&5 a  
b Apparatus for the transmission of  
power to generators. b  
c Carbon and its application. d  
d Application of metals in electrical  
construction. g  
The Western Electric Company appears in  
Classes 759, 760, 761, 762, 763, 764, 765, 766,  
769, 770, 771, 772, 773, 775, 776, 777, 778, 779,  
781, 782, 790, 792, 793, 794, 795, 797, 798, 799,  
800, 801, 802, 803, 804, 805, 812, 814, 816, 818,  
and Classes A, D and G, under Group 138-  
A, also Group 124. This Company, with  
main office and factory in Chicago, 227 to  
275 South Clinton Street, and branch of-  
fices and factories in New York, corner  
Thames and Greenwich Streets; London,  
79 Coleman Street; Antwerp, 33 Rue Boude-  
wyns; Berlin, S. O. Engel Ufer 1; Paris, 46  
Avenue de Breteuil, giving employment to  
about 3,000 people, is the leading manufact-  
urer of the following classes of apparatus:  
"Telephonic Apparatus," including central  
office equipments and subscribers equip-  
ments. (Note.) The Western Electric  
Company manufactures all the tele-  
phones and telephonic apparatus for the  
American Bell Telephone Company and its  
licensees. "Underground and Overhead Ca-

K

## Construction and Repairs, Mining, Machinery, Manufactures.

**Western Electric Co.—Continued.**

Exhibit No.	Class'n No.
bles" for telegraphic, telephonic and electric light use. "Electric Light Apparatus," arc light apparatus, both high and low tension; incandescent light apparatus. Accessories. "Generators and Motors." "American District Telegraph" and "Police Call" apparatus. "Annunciators," "Electric Bells" and "Push Buttons" for hotels, elevators and residences. "Automatic Fire Alarm" system. "Batteries," Disque, Le Clanche, Canvas-Bag, Phoenix Dry, No. 2 Fuller carbon, Weco carbon, Quad carbon, Gravity. "Battery Supplies," "Gas Lighting" apparatus for private residences and public buildings. "Insulated Wires," Weatherproof, Underwriters, Magnet Annunciator, Office and Rubber Covered. "Elevator and Office Cables." "Line Supplies," insulators, pins, brackets, cross-arms, poles, iron and hard drawn copper wire. "Telegraph Instruments and Office Supplies." "Testing Instruments." "Tools" for builders, repairers and linemen. "Watchman's Clocks" and miscellaneous electrical appliances.	
478a. Westinghouse Electric & M'fg Co., Pittsburgh, Pa. Belt coupled miniature engine and dynamo.	B-1 b
479. Wisconsin Bridge & Iron Co., Milwaukee, Wis. Iron poles and arms.	a
Exhibition track	

**Exhibits Classified in Other Departments but Installed in This.**

**DEPARTMENT E.****GROUP 62.**

**Pumps, Engines and Apparatus Used in Mining.**

480. Knowles Steam Pump Works, Chicago. Triplex mine pump. N-1

**DEPARTMENT F.****GROUP 69.**

**Hydraulic and Pneumatic Apparatus.**

Exhibit No.	Class'n No.
481. Pelton Water Wheel Co., San Francisco. Water wheel for driving dynamos.	H-1&N-1

**DEPARTMENT H.****GROUP 89.**

**Typewriters, Paper, Etc.**

482. Western Electric Co., Chicago. Stenograph.	A-5 564
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**GROUP 120.**

**Plumbing and Sanitary Materials.**

483. Western Electric Co., Chicago. Wire solder, tubular solder with rosin core.	A-5 756
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**GROUP 121.**

**Miscellaneous Articles of Manufacture not Heretofore Classified.**

484. Western Electric Co., Chicago. Ornamental signs.	A-9-4&5
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## AUSTRIA.

LOCATION—Y, 38.

Electrical Apparatus, Application of Electric Motors, Lighting, Signals.

## GROUP 122.

	Class'n No.
Giuseppe, Goerz. Electrical	758-760
Wald & Sergle, Vienna. Elec-	758-760
applies.	

## GROUP 126.

chmer Heinrich, Vienna.	
oods for electro-technical pur-	769

## GROUP 128.

wsky, Steiner & Frank,	
Automatic electric engraving	776

## GROUP 129.

nka & Co., Prague. Electric	
	778-9

## GROUP 130.

Exhibit No.	Class'n No.
6. Hardtmuth & Co., Vienna. Electrical	780
coal tops.	

## GROUP 131.

7. Schulmeister, Ludwig, Vienna. Elec-	
tro-galvanic apparatus.	785

## GROUP 133.

8. Silas, Ferdinand, Vienna. Electrical	
signal clocks.	792

## GROUP 136.

9. Danner, Carl, Vienna. Control appa-	
atus.	813

## BRAZIL.

LOCATION—V, 1.

Apparatus for Electrical Measurements, Electric Batteries, Transmission.

## GROUP 123.

	Class'n No.
ia Geral dos Telegraphos.	
box.	761
de Marinha do Rio de Janeiro.	
box.	761

## GROUP 124.

ia Geral dos Telegraphos.	
attery used in Brazilian tele-	
ce.	

## GROUP 126.

Exhibit No.	Class'n No.
4. Directoria Geral dos Telegraphos.	
a Switches and switchboards; galva-	
nometer for Morse telegraph station;	
galvanometer for testing battery;	
insulators used in Brazil for aerial	
telegraph; joints in iron and copper	
wires for aerial telegraph.	769
b Lightning arresters.	770

## Telegraph, Telephone, Application of Electricity, Progress and Development.

## GROUP 133.

Exhibit No.	Class'n No.
5. Directoria Geral dos Telegraphos.	
a Ink recording simplex Morse telegraphic apparatus, mounted on tables for telegraph station; set of simplex Morse telegraphic apparatus for telegraphic station with translation; translator polarized relays; duplex relays with four coils.	790
b Fire alarm telegraph apparatus.	794

## GROUP 134.

6. Directoria Geral dos Telegraphos.	
a Insulator for telephonic lines.	797
b Switchboard for telephonic lines.	799

## GROUP 136.

7. Arsenal de Marinha do Rio de Janeiro.	
Set of testing and firing tables for submarine mines; models of electrical fuses for submarine mines and torpedoes; circuit closer for exploding mines.	812

## GROUP 138.

Exhibit No.	Class'n No.
8. Directoria Geral dos Telegraphos.	
Scheme of Brazilian telegraphic lines; maps, charts, books and photographs showing the development of Brazilian telegraphic lines.	819
9. Estado de Minas Geral. Model of dynamo and engine belt coupled.	819

## GROUP 138A.

10. Directoria Geraes dos Telegraphos.	
Tools for the construction and repairing of aerial telegraphic lines.	a

## CANADA.

## GROUP 138.

Exhibit No.	Class'n No.
1. Reid, Chas. G. L., Victoria, B. C.	
The R. Davidson historical exhibit of drawings, photographs and models of electric motors, cars, locomotives, etc.	
Rooms of Am. Inst. of Elect. Engineers.	819

## FRANCE.

LOCATION—K, 1; Q, 1-2; Y, 3.

## I Apparatus, Electric Batteries, Machines and Appliances, Transmission.

## GROUP 122.

	Class'n No.
tier, J., Paris.	
mo electric batteries.	758
tion coil.	760
t, E., et Lejeune, Paris. Ap-	
r producing and using statical	757
in Froment, et Doignon, Paris.	
pass.	759
J. E., Paris.	
ments for producing and using	
al electricity.	757
tion coils and vibrators there-	760
Breguet, Paris.	
al electricity.	757
ts, marine compass.	759

## GROUP 123.

J. M., Paris. Condensers, etc.	762
er, J., Paris.	
rd resistance coils and boxes;	
stone bridge.	761
rd condensers, silver coated	762
nents of precision; galva-	
rs, etc. Sebert's instruments	
asuring the velocity of cannon	764
E., et Lejeune, Paris. In-	
f precision and apparatus de-	
aching.	764
Froment, et Doignon, Paris.	
of precision.	764
E., Paris. Measuring in-	764
Breguet, Paris. Measuring	764
J., Paris. Instruments of	764

## GROUP 124.

z, Louis, Paris. New con-	
ulates of accumulators.	
Generale des Postes et des	
Paris. Plante's secondary	

Exhibit No.	Class'n No.
13. Gaiffe, G. E., Paris. Graduated bat-	
teries.	
14. Leclanche et Cie, Paris. Leclanche	
and Leclanche, Barbier batteries.	
15. Peyrusson, E., Limoges. Storage	
batteries.	

## GROUP 125.

16. Boudreaux, L., Paris. Brushes for	
dynamo machines.	765
17. Desroziers, E. L., Paris. Dynamo	
machines.	765
18. Houry et Cie, Paris. Aluminium and	
copper brushes for dynamos.	
19. Maison Breguet, Paris. Steam en-	
gine and dynamo.	765
20. Sautter, Harle et Cie, Paris. Steam	
engine and dynamo.	765
21. Societe Gramme, Paris. Dynamos of	
recent construction.	765

## GROUP 126.

22. Abollard, G., et Cie, Societe de mate-	
riel telephonique, Paris. Cables.	769
23. Anizan, Paris. Anizan & De Brau-	
ville system of artificial lines.	771
25. Carpentier, J., Paris. Rheostats, am-	
eters, voltmeters, etc.	769
27. Direction Generale des Postes et des	
Telegraphes, Paris.	
a Insulators, joints, etc., for aerial tel-	
egraph or telephone lines.	769
b Underground conduits.	771
28. Gaiffe, G. E., Paris. Ammeters, volt-	
meters, rheostats.	769
29. Houry et Cie, Paris. Electric wires	
and cables.	769
30. Jacot, J. E., Paris. Pole equipped for	
the connection between underground and	
aerial lines.	771
31. Maison Breguet, Paris. Ammeters	
	769
31a. Menier, Paris. Electric cables and	
insulated wires.	769
32. Mild, C., Paris. Lightning rods;	
model of building equipped with a system	
of lightning rods.	770

## Transmission, Application, Lighting, Electric Forging, Telegraph, Telephone.

Exhibit No.	Class'n No.
33. Richard, J., Paris. Ammeters, voltmeters, registering meters.	769
34. Société du Cable Fortin Herrmann, Paris. Cables for telegraph and telephone systems.	769
35. Société Gramme, Paris. Ammeters, voltmeters, switches and indicators.	769
35a. Vialat Chabrand, Lucien, La Ciotat (Bouches-du-Rhone). Electro-interruptors and extinguishers for lamps.	770
36. Weiller, L., et Cie, Paris.	
a Cables, wires.	769
b Material for the construction of electric lines.	771

## GROUP 128.

38. Compagnie de touage de la Basse Seine et de l'Oise, Paris. Towing vessel with magnetic adherence apparatus.	776
39. Delostal, Pierre et Cie, Paris. The electric match.	777
40. Hennequin, L. A. A., Beauvais.	
a Electric clocks.	777
b Electric signaling system for collection of postage in letter-boxes.	790
42a. Lacarriere, Alfred, Delatour et Cie, Paris. Electric chandeliers, etc.	777

## GROUP 129.

46. Barbier, F., et Cie, Paris. Lenses.	778
47. Direction Generale des Phares, Paris. Lenses and apparatus for electric light-houses.	778
48. Pulford, Triquet et Cie, Paris. Incandescent lamps.	779
48a. Sautter, Harle, et Cie, Paris. Search lights and appliances.	778
48b. Société Anonyme Cance, Paris. Standards of arc lamps.	778
49. Société Gramme, Paris. Arc lamps worked either by continuous or alternating currents.	779

## GROUP 131.

51. Bernard Freres, Paris. Electrolytically separated aluminum, rough and manufactured.	787
52. Bertrand, P. H., Paris. Coating of cast iron with magnetic oxide. Pieces manufactured in that way and enameled; electrolytically tinned cast iron.	786
53. Christoffe et Cie, Paris. Galvanoplastic reproduction of old and precious metal works, from the originals in Versailles, Le Louvre, etc.	786
54. Direction Generale des Postes et des Telegraphes, Paris. Electric furnace of Mr. Moissan and its products.	787

Exhibit No.	Class'n No.
55. Ducretet, E. et Lejeune, Paris. Machinery for producing hydrogen gas by electrolysis of water.	787
56. Labitte (F. Ph.), Paris. Electroplating, nickeling.	785
56a. Letrange, L., et Cie, Paris. Electrolytic zinc, crude and manufactured.	787

## GROUP 132.

57. Piat, A., et ses fils, Paris. Hydraulic riveting machine with electro motor, etc.	788
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## GROUP 133.

57a. Anizan, J. M., Paris. Cryptography.	790
58. Carpentier, J., Paris. Telegraph instruments.	790
59. Direction Generale des Postes et des telegraphes, Paris.	
a Telegraphic material.	
b Telegraph instruments.	790
c Fire alarm apparatus, Petit and Digcon systems.	794
60. Dumoulin-Froment et Daignon (Paul Louis), Paris.	
a Telegraphic apparatus.	790
b Chronography.	791
61. Gras, J. J., Paris. Field instruments, sounders, etc.	790
62. Mercadier, E., Paris. Mono-telephones and system of multiplex telegraph.	790
62a. Milde, C., Paris.	
a Thermostats.	793
b Fire alarms.	794
64. Munier, C. J. A., Paris. Electrical printing apparatus for telegraph.	791

## GROUP 134.

67. Aboilard, G., et Cie, Societe de materiel telephonique, Paris.	
a Telephonic cables.	797
b Signaling apparatus.	802
68. Direction Generale des Postes et des Telegraphes, Paris.	
a Telephone cables.	797
b Switch boards, transmitting and receiving apparatus.	799
68a. Houry et Cie, Paris. Telephone cables.	797
68b. Ménier, Paris. Telephone cables.	797
69. Mercadier, E., Paris. Bi-telephone.	801
70. Mercadier et Anizan, Paris. Microphone.	800

## Electricity in Surgery, History and Statistics, Progress and Development.

	Class'n No.
Charles, Paris.	
hone switchboards.	799
phones.	800
ving telephones.	801
ling apparatus.	802
du cable Fortin Herrmann,	
ephone cables, cable heads and	
	797

## GROUP 135.

E., et Lejeune Paris. Elec-	
apparatus.	809
E., Paris.	
y apparatus.	808
utis for the application of the	
cal current as a remedial	
	809
atus for diagnosis.	810
Breguet, Paris. Combina-	
or applying electric current.	809

## GROUP 136.

Boussac, H. O., Paris. Auto-	
o-medical lighting apparatus.	
ratz-Boussac system.	812
Breguet, Paris. Exploder	
	812

## GROUP 137.

Cie, Paris. Books relative	
	817
Pignol, Paris. Scientific	
	817
Paris. Industrial and scien-	
machines and apparatus.	816
Paris. "L'Electricien."	
Review on Electricity.	817
e anonyme de tannage de la	
t de l'Oise, Paris. Drawings	
a tug with apparatus of mag-	
ice towage.	816
oire National des Arts et	
s. Objects illustrating the	
of electric telegraphy.	816
Generale des Postes et des	
Paris. Objects and books	
ne development of electric	817
E., et Lejeune, Paris. In-	
combined for illustrating scien-	
es and teaching electricity.	845
illars et fils, Paris. Books	
	817
e Central d'e'lectrecite',	
rel transformer.	816

Exhibit No.	Class'n No.
84a. Lahure, Alexis, Paris. L' Industrie	
Electrique, a review of electric science.	817
84b. Masson, G., Paris. Books on elec-	
tricity.	817
84c. Milde, C., Paris. Map illustrating the	
electric light system in Paris	817
85. Societe Gramme, Paris. First dynamo	
machines constructed by M. Gramme.	816

## GROUP 138.

88. Conservatoire National des Arts et	
Métiers, Paris. Models of historical tele-	
graph instruments.	819
88a. Desroziers, E. L., Paris. Drawings	
and photographs (electric locomotive,	
electric light plants, etc.).	
89. Direction Generale des Postes et des	
Telegraphes, Paris. Apparatus of histor-	
ical interest in general electricity.	819
91. Hillairet, et Huguet, Paris. Relief map	
illustrating the transmission of energy at	
Domene (Isere). Photographs.	819
92. Laboratoire central d'e'lectricite',	
Paris. Plans and photos of the labora-	
tory.	819
92a. Sautter, Harle et Cie, Paris. Search	
lights, lighthouses, dynamos, etc.	819
93. Societe toulousaine d'e'lectricite, Tou-	
louse (Haute-Garonne). Album contain-	
ing views of the electric works.	819

## GROUP 138A.

93a. Gras, J. J., Paris. Tools for the con-	
struction of telegraph lines.	a

Exhibits Classed in Other Departments  
but Installed in this.

## DEPARTMENT G.

## GROUP 85.

Vessels, Boats, Marine, Lake and River  
Transportation.

95. Barbier, F., et Cie, Paris.	
a Ships' lights.	533
b Apparatus for lighthouses.	534
96. Direction generale des Phares, Paris.	
Apparatus for lighthouses.	534
96a. Dumoulin-Froment, Paris. Dividing	
engine.	
96b. Maison, Breguet, Paris. Dr. Marey's	
recording instruments for general physi-	
ology.	

## Manufactures, Liberal Arts, Forestry.

## DEPARTMENT H.

## GROUP 95.

Exhibit No.		Class'n No.
97.	Gaudin, F., Paris. Stained glass— a Hunting the Wild Boar. West Gallery	596
	b Jesus among the Doctors and The Descendants of Jesse.	597
98.	Lorin, Chartres. Stained glass— Visitation of the Virgin. West Gallery	597

## DEPARTMENT L.

## GROUP 158.

(The following exhibits are all located in West Gallery.)

99.	Aucher freres, Paris. Upright piano.	930
100.	Bazin, Mirecourt (Vosges). Bows, violoncello and bass viol.	929
101.	Bord et Cie, Paris. Grand and up- right piano.	930
102.	Burgasser, Paris. Upright piano.	930
103.	Carpentier, J., Paris. The melotrope, automatic apparatus for playing any piano.	930
104.	Cottureau, Paris. Reed pipes for wind instruments.	935
105.	Cottin & Tailleur, Paris. Grand har- monium.	935
106.	Craveau, Paris. Pianos.	930
107.	Evette & Schaeffer, Paris. Musical instruments.	927-935
108.	Focke fils aine, Paris. Grand iron frame piano.	930
109.	Gasparesni, Paris. Cylinder organ.	935
110.	Gaveau, Paris. Upright grand piano.	930
111.	Girare, Paris. Upright piano.	930
112.	Gouttier, Paris. Upright and grand pianos.	930
113.	Hausen, Saint Owen (Seine). Pianos.	930

Exhibit No.		Class'n No.
114.	Hell, Lille, Nora. Violins.	927
115.	Jacequot & fils, Nancy (Möselle). Stringed instruments.	929
116.	Jaulin, Paris. Harmonicum.	935
117.	Kriegelsteen & Co., Paris. Grand and upright pianos.	930
118.	Labrousse, Paris. Pianos.	930
119.	Lary, Paris. Pianos.	930
120.	Leveque & Thersen, Paris. Pianos.	930
121.	Limonaire freres, Paris. Cylinder organ.	935
122.	Martin freres, Paris. Wind instru- ments.	935
123.	Mille, Paris. Brass musical instru- ments.	933-4-5
124.	Mustel, Paris. Celesta.	928
125.	Penet, Paris. Accessories for har- moniums.	930
126.	Pleyel, Wolff & Co., Paris. Grand and upright pianos.	930
127.	Ricaris, Paris. Electric tuners.	930
128.	Rossero, Paris. Skins for musical instruments.	927
129.	Ruch, Paris. Grand and upright pi- anos.	930
130.	Societe Anonyme des Occieries et Forges de Fermigny (Loire). Piano chords.	929
131.	Thibout, Paris. Pianos.	930
132.	Thibouville fils et Cie, Paris. Musical instruments.	927-935
133.	Thibouville, Lamy (Jerome). Musical instruments.	927-935
134.	Thibouville, Martin, Paris. Musical instruments.	927-935
135.	Ullmann, Paris. Electric pneumatic piano.	930
136.	Vanet, Paris. Piano.	930

## DEPARTMENT N.

## GROUP 19.

137.	Chevrel, Paris. Inlaid work for pianos, furniture and billiard tables. West Gallery	110
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## GERMANY.

LOCATION—D-1; E-1; Y-5-6; and X, 1-2.

Electrical Apparatus, Batteries, Motors, Application.

## GROUP 123.

Elektricitäts Gesellschaft,  
 measuring and testing instruments,  
 scales and registering meters. 764  
 20,000,000 marks, full paid.  
 for transmission of electric  
 horse-power from Lauffen to  
 Heilbronn, 125 miles, 1891.  
 f., Berlin. Electrometers. 764  
 Emanuel, & Co., Berlin. Elec-

764  
 & Braun, Bockenheim,  
 M. Electrical surveying 764

of instruments for scientific  
 purposes. Galvanometers,  
 voltmeters, Volt and ammeters,  
 coulomb meters, all for con-  
 serving currents; photome-  
 ters, pyrometers.

Dr. Albert, Nuremberg. Gal-  
 es. 763

Charles, Frankfurt a-M. Ac-  
 762

ch-Technische, Reichsan-  
 tenburg. Scientific appara-  
 764

& Co., Nuremberg. Meas-  
 urements. 764

Halske, Berlin. Testing  
 764

h., Luisburg. Electric wa-  
 ter. 764

## GROUP 124.

Elektricitäts Gesellschaft,

direct current, constant  
 765

direct current, varying  
 766

alternating current, con-  
 stant. F. 767

alternating current, vary-  
 ing. F. 768

& Co., Nuremberg. Marine  
 steam engine direct coupled,  
 dynamo. 765

## GROUP 125.

Exhibit No.	Class'n No.	Exhibit	Class'n No.
11.		Siemens & Halske, Berlin.	Com-
		plete five wire system.	767

## GROUP 126.

11a. Allgemeine Elektricitäts Gesellschaft,  
 Berlin.

a Switches, cutouts. 769

b Cables, wires and insulating materi-  
 als. 770

12. Berg, Emanuel, & Co., Berlin. Safety  
 instruments. 770

13. Felten & Guillaume, Mühlheim a-Rh.  
 Cables and transmitting material. 769

Manufacturers of cast steel and iron wire,  
 copper and bronze wire, telegraph, tele-  
 phone and electric cables, fencing wire,  
 ropes, steel barb fencing. Galvanizers.  
 Highest distinctions at all great exhibits.

14. Harrach, George, Munich. Lightning  
 rods. 770

15. Halberger, H., Munich. Cable reck-  
 oning apparatus. 769

16. Schomburg, H., & Sons, Berlin. In-  
 sulators and insulating material. 770

17. Zwarg, Julius Otto, Freiberg, Saxony.  
 Lightning rod. 770

## GROUP 127.

17a. Allgemeine Elektricitäts Gesellschaft,  
 Berlin.

a Electric motors for constant direct  
 currents. 772

b Electric motors for constant direct  
 current, E. M. F. 773

c Electric motors for three phase cur-  
 rents. 774

18. Naglo, Gebr., Berlin. Electric motors.  
 773

19. Pokorny & Wittkind, Frankfurt a-M.  
 Electric motors. 773

## GROUP 128.

21. Allgemeine Elektricitäts Gesellschaft,  
 Berlin.

a Street car and electric railway sup-  
 plies. 775

b Electric fans. 777

K

## Lighting, Telegraph, Telephone, Progress and Development, Construction and Repair.

Exhibit No.	Class'n No.
22. Siemens & Halske, Berlin. Electric street railway.	775

## GROUP 120:

23. Allgemein eElektricitatsGesellschaft, Berlin.	
a Arc lamps.	778
b Incandescent lamps, stage lighting apparatus.	779
24. Berg, Emanuel, & Co., Berlin. Marine signal lights.	778
25. Conz, Gustav, Hamburg. Marine signal lights.	778
27. Körting & Matthiesen, Leipsig. Arc lights.	778
28. Pollak, Charles, Frankfort a-M. Mining lamps.	779
29. Schuckert & Co., Nuremberg. Search lights.	778
All official tests have proved the superiority of Schuckert's searchlights, with parabolic glass mirrors. Adopted by nearly all military powers. Four of these lights are in operation on the middle roof of the Manufactures Building. Information by the representative, F. W. Tischendoerfer.	
30. Seifert, K. M., Dresden. Illuminating fixtures.	Dept. H 779
31. Siemens & Halske, Berlin.	
a Arc lights.	778
b Incandescent lights.	779
31a. Allgemeine Elektricitats Gesellschaft, Berlin. Electric heating apparatus.	783

## GROUP 131.

31b. Schuckert & Co., Nuremberg.	
Chemically pure zinc obtained by electrolytic processes.	787

## GROUP 133.

31c. Allgemeine Elektricitats Gesellschaft, Berlin. Electric clocks governed at central light stations.	796
32. Reichspost-Amt, Berlin. Telegraph apparatus.	
33. Seitz & Linhardt, Aschaffenburg. Telegraphic apparatus.	
33a. Schuckert & Co., Nuremberg. Electric signaling apparatus for marine engines.	792

## GROUP 134.

35. Berliner, J., Hanover. Telephonic apparatus.	800-801
36. Reichspost-Amt, Berlin. Telephonic apparatus.	800-801

Exhibit No.	Class'n No.
36a. Siemens & Halske, Berlin. Telephonic apparatus.	800-801
37. Stoeker & Co., Leipzig - Plagwitz. Telephonic apparatus.	

## GROUP 135.

37a. Windler H., Berlin, N. W. Surgical and orthopedic instruments. Gal. X 80.	
Wholesale and retail. Orders taken at exhibit by Max Windler, representative.	

## GROUP 136.

37b. Anschuetz, Ottomar, Berlin, Germany. Electric photographic tachyscope. 81	
(Schnellscher.) By this machine animals and objects can be seen in motion the same as in real life.	

## GROUP 137.

37c. Reichspost Amt., Berlin. Historical electro-technical exhibit.	816
37d. Siemens & Halske, Berlin. Historical electro-technical exhibit.	816

## GROUP 138.

37e. Allgemeine Elektricitats Gesellschaft, Berlin. Plans of electric central stations.	817
38. Pollak, Charles, Frankfort a-M. Railroad models.	813
38a. Sauerlaender, T. D., Frankfort-on-the-Main. Official report of the electro-technical Exposition at Frankfort-on-the-Main, 1891. German Bldg.	
38b. Schuckert & Co., Nuremberg. Drawings of electric central stations.	Dept. G 813
39. Von Miller, Oscar, Munich. Plans and description of electric central stations.	Dept. G 813

## GROUP 138 A.

39a. Deutsch - Oesterreichische Mannesmann-Rohr Werke, Berlin. Poles of seamless tubes for telephone, telegraph gas and electric light and electric and elevated railways.	
40. Lubszynski, Sigismund, Berlin. Electric engraving apparatus.	
41. Minner, Wilhelm, Arnstadt, Thuringia. Carbon for Leclanche elements.	
42. Nurnberger Beleuchtungskohlenfabrik, Doos, near Nuremberg. Carbon pencils for illumination.	
43. Schichau, F., Elbing. Steam engine connected with dynamo.	
44. Schmelzer, Ch., Nuremberg. Arc light carbons.	

## Miscellaneous.

**Bros. & Co.** Carbon pencils  
tion. d  
& Halske, Berlin. Direct  
10 H. P. dynamo. j

used in Other Departments  
Installed in This.

## PARTMENT L.

## GROUP 151.

ents of Precision, Etc.

Technical Commission,  
mplete equipment of a gaug-  
865

## GROUPS 148&amp;151.

ective Exhibit in Scientific  
Instruments.

## TION—N. E. Gallery.

**Herz, Berlin.** Medical and  
aratus of German silver and

en, Alf., Berlin. Antiseptic  
and dressings for medicinal

**Paul, Heidenheim.** Anti-  
septic surgical preparations.  
**Hecherer, Tuttlingen, Berlin.**  
surgical apparatus.  
., Berlin. Surgical appli-

**Iller, Chr., Lamscha, Thuringia.**  
Artificial eyes, human and

**Ludwig, Cobourg.** Artifi-  
cian.

., Berlin. Medical and sur-  
gents.

**K. R., Leipsig.** Dental

**I., Berlin.** Medical and sur-  
gents of aluminum and Ger-

**riedrich, Freiburg, Baden.**  
models.

ation of Mechanical, Op-  
er Scientific Instrument  
anufacturers.

scientific instruments and  
every description, such as

Exhibit  
No.

mechanical, optical, physical, chemical,  
electromedical and drawing instruments,  
fine balances, thermometers, barometers,  
calometers, gas meters and geographical  
and mining art clocks, represented by  
Alfred Hirschman, Berlin, Germany.

12. **Betting, C. F., Kassel.** Analytical  
balances.

13. **Bock, Hilmar, Oberweissbach.**  
Chemical, physical and surgical glass in-  
struments.

14. **Bohne, Otto, Berlin.** Aneroid and  
registering barometers.

15. **Bube, C., Hannover.** Maker of linear  
measures.

16. **Bange, Paul, Hamburg.** Analytical  
balances.

17. **Burckhardt, Arth, Glashütte.** German  
calculating machine work.

18. **Butenschoen, George, Hamburg.**  
Mathematical and mechanical instru-  
ments.

19. **Cahn, I., Elberfeld.** Fire alarm.

20. **Dieckmann, W., Calle.** Geographical,  
astronomical and mining clock.

21. **Doerffeld & Faerber, Berlin.** Oph-  
thalmological and laryngological instru-  
ments.

22. **Eberhardt, Alt., & Jaeger, Ilmenau.**  
Thuringia. Glass instruments and ap-  
paratus.

23. **Gebhardt, Paul, Berlin.** Physical,  
electric, mechanical and optical instru-  
ments for class demonstrations.

24. **Graaf Ducal Institute for Standardiz-  
ing Glass Instruments, Ilmenau.** Stand-  
ardizing apparatus.

25. **Greiner, Ephraim, Huetzerbach, Thur-  
ingia.** Glass instruments and apparatus.

26. **Gundelach, Emil, Gehlberg, Thuringia.**  
Glass instruments and apparatus.

27. **Halle, Bernhard, Steglitz near Berlin.**  
Optical appliances for polarization of  
light, etc.

28. **Hasemann, A., Berlin.** Maker of  
balances.

29. **Hirschmann, W. A., Berlin.** Electro-  
medical instruments of all kinds.

30. **Imperial Physical & Technical Insti-  
tute, Charlottenburg near Berlin.** Ap-  
paratus.

30a. **Jung, R., Heidelberg.** Microtomes  
and physiological instruments.

31. **Junkers, H., Dessau.** Calorimeter.  
Recently patented calorimeter. Plainest  
and most reliable apparatus for continuously  
measuring the heating effect of combustible  
gases and liquid fuels. Highest recom-  
mendation by first authorities. In opera-

K

## Miscellaneous.

Exhibit  
No.

tion in Machinery Hall, German section, K-20.

32. Kahl, Max, Chemnitz. Speciality, physical apparatus.

33. Kirchler, Alex., & Sohne, Ilmenau, Thuringia. Glass instruments and apparatus.

34. Kromschroder, G., Osnabruck. Dry gas meters with seamless diaphragm.

35. Kruess, A., Hamburg. Spectroscopes and polarization apparatus.

36. Lambrecht, W., Göttingen. Meteorological apparatus.

37. Leiss, Carl, Jena. Microscopes and microscopical accessories, photographic lenses, optical instruments, etc.

38. Lindenlaub, H. R., Sohmiedefeld, Thuringia. Glass instruments and apparatus.

39. Luft, G., Stuttgart. Manufacture of metal barometers.

40. Merz, Jacob, Munich. Optical works; equatorials and objectives.

41. Moeller, Oscar, Hamburg. Holosteric and metallic barometers.

42. Niehs, W., Berlin. Meteorological and physical instruments.

43. Ott, Albert, Kempten. Mathematical instruments (pantography).

44. Pessler, A., Freiburg. Levels with and without air-chamber.

45. Riefler, Clemens, Munich. Drawing and measuring instruments, and an astronomical clock with absolutely free pendulum escapement.

46. Schieck, F. W., Berlin. Entomological school and students' microscopes.

47. Schilling, Franz, Gehlberg, Thuringia. Glass instruments and apparatus.

Exhibit  
No.

48. Schmidt, Franz, & Haentsch, Berlia. Spectroscopes, polarizing instruments and photometers.

49. Schmidt, George, & Eltz, Schmiedefeld. Standard thermo and hydrometers.

50. Schott & Genossen, Jena. Glass for optical and other scientific purposes.

51. Schultze, G. A., Berlin. Thermo-alcohol and hydrometers.

52. Schulze & Bartels, Rathenow. Spectacle-glasses and telescopes for tourists, military, etc.

53. Staudinger, C., & Co., Giessen. Precision balances and weights, kathe-tometer.

54. Steeg, Dr., & Reuter, Hamburg. Polarizing apparatus and preparations.

55. Steinheil, C. A., Munich. Astronomical work, telescopes and photographic objectives and apparatus.

56. Strasser & Rhode, Glashutte near Dresden. Glass instruments and apparatus.

58. Sydow, Emil, Berlin. Ophthalmoscopes, laryngoscopes and reflection mirrors.

59. Tesdorpf, Ludwig, Stuttgart. Surveying instruments.

60. Uebe, Wilhelm, Gerbst. Chemical and physical glass instruments.

61. Voigt & Hochgesang, Göttingen. Crystallographic, optical instruments, microscopically thin section of rocks, minerals, etc.

62. Voigtlaender und Sohn, Braunschweig. Photographic objectives, binoculars and terrestrial telescopes.

## GREAT BRITAIN.

LOCATION—0, 5.

pparatus, Batteries, Transmission, Lighting, Telegraph, Telephone.

## GROUP 123.

	Class'n No.
Electric Company, Ltd., London. Electrical measuring apparatus.	764
J. G., London. Electric	764

## GROUP 124.

Electric Accumulator Com-	
Electric accumulators.	

## GROUP 126.

Kottgen, G. L., London.	769
G., London. Electric	769
Electric Company, Ltd., Lon-	769
Wall-plugs; rosettes, etc.	770

## GROUP 128.

G., London. Electrical	
Electric filters, electric appa-	
ing aerated waters for releas-	
ing sewage and purification.	777

## GROUP 129.

Electric Company, Ltd., Lon-	
Electric lighting systems.	778
Electric lighting systems and	779

## GROUP 130.

Electric Company, Ltd., Lon-	
Heaters.	780
G., London. Heating by	780

## GROUP 131.

Electrochemical Company, Ltd.,	
Electro silver plating.	785

## GROUP 133.

Kottgen, G. L., London.	
Telegraphs.	790
Telegraphs.	796

Exhibit No.	Class'n No.
----------------	----------------

11. General Electric Company, Ltd., London. Railroad signal apparatus.	796
11a. Lorrain, J. G., London. Electric clocks.	791
12. Phonophone Company, Ltd., London. Telegraph apparatus.	790

## GROUP 134.

13. Anders & Kottgen, G. L., London.	
a Conductors.	797
b Switchboards.	799
c Transmitting apparatus.	800
d Receiving apparatus.	801
e Signaling apparatus.	802
f Telephones.	804
g Phonographs.	806
13a. Collier, Mars, Telephone & Electrical Manufacturing Co., Manchester.	
a Conductors.	797
b Switchboards.	799
c Transmitting apparatus.	800
d Receiving apparatus.	801
e Signaling apparatus.	802
f Telephone.	804

14. General Electric Company, Ltd., London.	
a Conductors.	797
b Switchboards.	799
c Transmitting apparatus.	800
d Receiving apparatus.	801
e Signaling apparatus.	802
f Telephones.	804

15. Homacoustic Apparatus Company, London. Apparatus for vocal communication in buildings and ships.	
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15a. Lorrain, J. G., London.	
a Conductors.	791
b Switchboard.	799
c Transmitting apparatus.	800
d Receiving apparatus.	801
e Signaling apparatus.	802
f Telephones.	804

## GROUP 136.

16. General Electric Company, Ltd., London. Electric gas lighting.	812
17. Lorrain, J. G., London. Electric ventilators, fire extinguishers, electrical control of fuel consumption and steam generation.	813

K

## History and Statistics, Construction and Repairs, Transportation.

## GROUP 187.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 18. British Government, London. Historical telegraphic apparatus dating from 1837, including the first specimen of underground work practically used; early five-needle and double-needle instruments, Cooke and Wheatstone's A B C telegraph; early forms of Wheatstone's automatic telegraph; Bain's first chemical telegraph; modern telegraphic apparatus, as used by the British Postal Telegraph Department; single needle A B C sounders and Bright's bed; British type of Delany and quadruplex apparatus; fast speed repeaters; pneumatic tube signaling instruments; telephonic switchboards and apparatus. | 816         |

## GROUP 188 A.

- | Exhibit No.                                      | Class'n No. |
|--|-------------|
| 19. General Electric Co., Ltd., London. Carbons. | d           |
| 20. Lorrain, J. G., London. Carbons.             | d           |

Exhibits classed in other departments but installed in this.

## DEPARTMENT G.

## GROUP 84.

Aerial, Pneumatic and Other Forms of Transportation.

- | Exhibit No.                                     | Class'n No. |
|---|-------------|
| 21. Lorrain, J. G., London. Electric air ships. | 528         |

## ITALY.

## LOCATION—T, 4.

## Machines and Appliances, Electrotyping

## GROUP 126.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 1. Carli-Conti, Dr. Giuseppe, Castelnovo Garfagnana. Electrical pile. |             |
| 2. Richard Ceramic Society, Milan. Insulators.                        | 770         |

## GROUP 131.

- | Exhibit No.                               | Class'n No. |
|---|-------------|
| 3. Turati, Vittorio Milan. Electrotyping. | 724         |

## JAPAN.

## LOCATION—F, 1a.

## Electrical Apparatus.

## GROUP 124.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 1. Kamei, Sei., Kanagawa. Paper electric cells.                             |             |
| 2. Takenouchi, Ichiro., Tokio. Electric boat cells, secondary battery cells |             |

## GROUP 126.

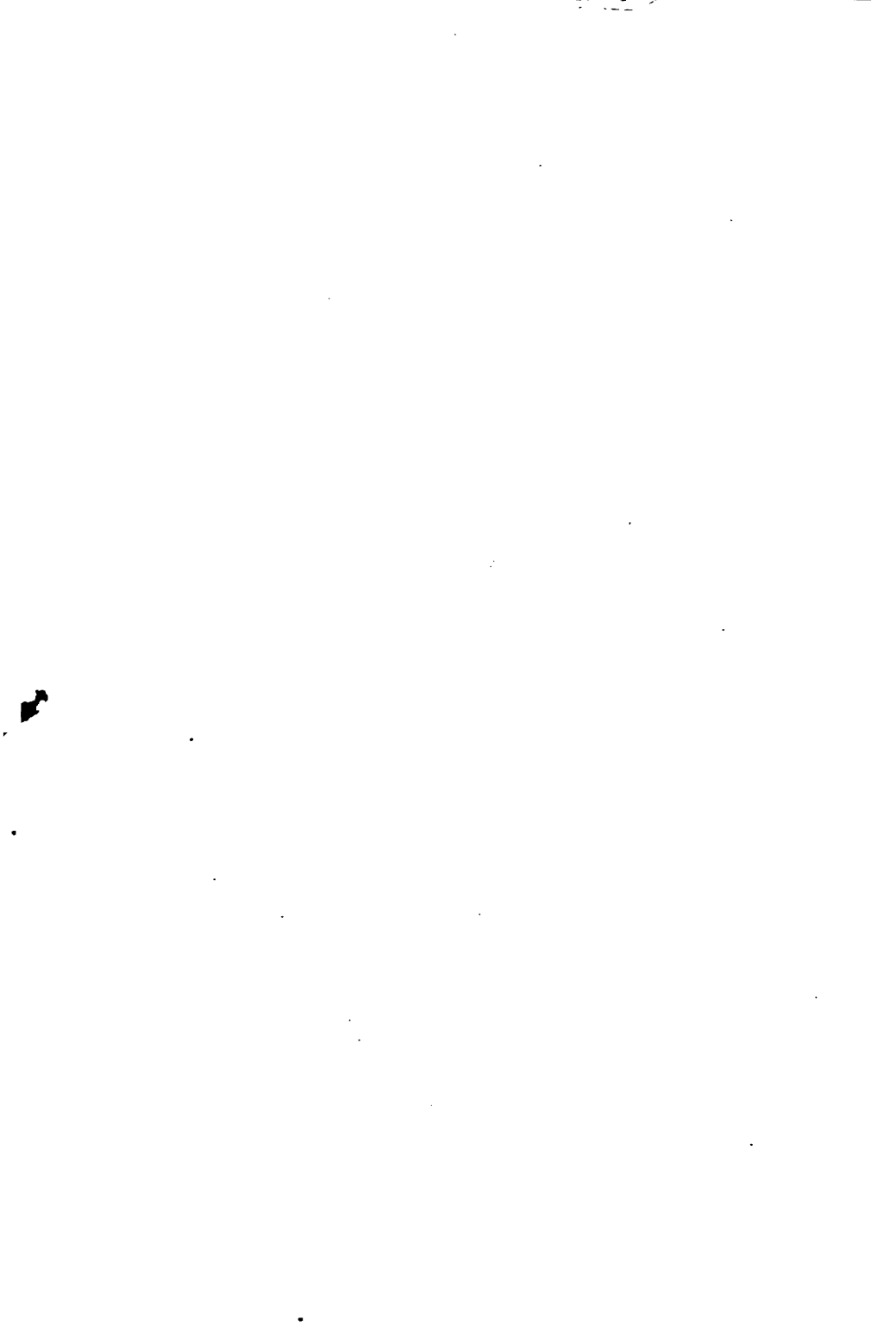
- | Exhibit No.  | Class'n No. |
|--|-------------|
| 3. Shida, R., Imperial University, Tokio. Automatic current meter. |             |

## DEPARTMENT L.

## GROUP 161.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 4. Imperial University of Japan. Seismograph writing on a glass disc. Seismograph writing on a drum. Seismograph writing on a band of paper. Seismograph without multiplying levers. Duplex pendulum seismograph. Mantel piece seismometer. Tromometer. Electrical contact maker. Registering clock. Model of an Earthquake. Safety lamps. Pictures showing the results of earthquakes. | F-1         |

**K**





THE ART PALACE.

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# WORLD'S COLUMBIAN EXPOSITION.

...1893...

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## OFFICIAL CATALOGUE.

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ART X.

DEPARTMENT K.

### FINE ARTS

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HALSEY C. IVES, Chief.

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EDITED BY

The Department of Publicity and Promotion,

M. P. HANDY, CHIEF.

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CHICAGO.

THE WORLD'S COLUMBIAN EXPOSITION. PUBLISHED BY THE C. S. GRIFFIN COMPANY.

1893.

# WORLD'S COLUMBIAN EXPOSITION.

...1893...

## OFFICIAL CATALOGUE.

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1893

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CHICAGO.

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UNITED STATES

DEPARTMENT OF

DEPARTMENT

NEW YORK

OF

FINE ARTS.

(K)

HOWE

**HALSEY C. IVES, CHIEF.**

**CHARLES M. NURTZ, ASSISTANT CHIEF.**

**SARA T. HOLLOWELL, ASSISTANT CHIEF.**

**MILLET, SUPERINTENDENT OF ARCHITECTURAL AND DECORATIVE EXHIBITS.**

**GEORGE CORLISS, SUPERINTENDENT OF GALLERIES.**

## DEPARTMENT OF FINE ARTS. (K)

## UNITED STATES SECTION.

## JURIES OF ACCEPTANCE.

## GROUP 139.—SCULPTURE.

## NEW YORK.

Augustus St. Gaudens.  
J. Q. A. Ward.

Olin L. Warner.  
John J. Boyle.

Daniel C. French.

## PENNSYLVANIA.

John J. Boyle.  
Charles Crafty.

Daniel C. French.  
Olin L. Warner.

## MASSACHUSETTS.

Daniel C. French.

Olin L. Warner.

John J. Boyle.

## ROME.

Harriet Hosmer.  
Franklin Simmons.

Waldo Story.  
Larkin G. Mead.

## FLORENCE.

William Couper.

Larkin G. Mead.

Waldo Story.

## NATIONAL JURY AT CHICAGO.

Daniel C. French, *Boston*.

Robert Bringhurst, *St. Louis*.

Lorado Taft, *Chicago*.

## ALTERNATES.

John J. Boyle, *Philadelphia*.

Carl Rohl-Smith, *Chicago*.

J. Gelert, *Chicago*.

## GROUP 140.—PAINTINGS IN OIL.

## NEW YORK.

William M. Chase.  
R. Swain Gifford.

Eastman Johnson.  
H. Bolton Jones.

F. D. Millet. (G. W. Maynard, Alternate.)

I. M. Gauguin.  
E. C. Tarbell.

John W. Beatty.  
Charles E. Dana.

## PENNSYLVANIA.

John W. Beatty.  
Charles E. Dana.

Clifford P. Grayson.  
Joseph R. Woodwell.

William Dalliba Dutton. (Stephen Parrish, Alternate.)  
H. Bolton Jones. Eastman Johnson.

UP 140.—PAINTINGS IN OIL.—Continued.

MASSACHUSETTS.

Thomas Allen.	E. C. Tarbell.
J. J. Enneking.	F. P. Vinton.
L. M. Gaugengigl.	William M. Chase.
R. Swain Gifford.	

PARIS.

F. A. Bridgman.	Walter McEwen.
W. T. Dannat.	Gari J. Melchers.
Walter Gay.	Charles Sprague Pearce.
Alexander Harrison.	J. L. Stewart.

Ed. L. Weeks.

MUNICH.

Walter Beck.	Carl Marr.
J. Frank Currier.	Orrin Peck.
Toby Rosenthal.	

ROME.

C. C. Coleman.	William Stanley Haseltine.
Elihu Vedder.	

NATIONAL JURY AT CHICAGO.

Brown, <i>New York.</i>	Gari J. Melchers, <i>Detroit.</i>
V. Maynard, <i>New York.</i>	Douglas Volk, <i>Minneapolis.</i>
Francis Murphy, <i>New York.</i>	John H. Fry, <i>St. Louis.</i>
Thomas Hovenden, <i>Philadelphia.</i>	Frederick W. Freer, <i>Chicago.</i>
Thomas Allen, <i>Boston.</i>	John H. Vanderpoel, <i>Chicago.</i>
Farwy, <i>Cincinnati.</i>	Walter McEwen, <i>Chicago.</i>

C. C. Coleman, *Rome, Italy.*

P 141.—PAINTINGS IN WATER COLORS.

NEW YORK.

Frederick Dieffen.	J. C. Nicoll.
Charles Harry Eaton.	Walter Shirlaw.
Louis C. Tiffany.	

In other cities the Jury for Paintings in Oil also acted for Water Colors.

GROUPS 139-145.—ARCHITECTURE.

NEW YORK.

Richard M. Hunt.	Stanford White.
William B. Tuthill.	C. Howard Walker.
John Stewardson.	

PENNSYLVANIA.

Frank Miles Day.	John Stewardson.
Henry Pettit.	W. B. Tuthill.
Edmund M. Wheelwright.	

MASSACHUSETTS.

Edward C. Cabot.	Edmund M. Wheelwright.
C. Howard Walker.	W. B. Tuthill.
Frank Miles Day.	

NATIONAL JURY AT CHICAGO.

Atwood, <i>New York.</i>	W. S. Eames, <i>St. Louis.</i>
Gilbert, <i>St. Paul.</i>	S. S. Beman, <i>Chicago.</i>
D. Adler, <i>Chicago.</i>	

P 142.—PAINTINGS ON IVORY, ON ENAMEL, ON METAL, ON PORCELAIN, OR OTHER WARES; FRESCO PAINTING ON WALLS.

Same Juries as for Paintings in Oil and for Architecture.

## GROUP 143.—ENGRAVINGS AND ETCHINGS: PRINTS.

## FOR ETCHINGS.

## NEW YORK.

Carlton T. Chapman.  
Samuel Colman.

James D. Smillie.

Thomas A. Platt.  
C. A. Platt.

## PENNSYLVANIA.

Hermann Faber.

Bernhard Uhle.

Max Rosenthal.  
W. H. W.

## MASSACHUSETTS.

W. B. Closson.

Hermann Faber.

JOHN M.

S. R. Koehler.

Charles A. Walker.

## FOR WOOD ENGRAVING.

## NEW YORK.

Horace Baker.

A. M. Lindsay.

John P. Davis.

Frank French.

## PENNSYLVANIA.

A. M. Lindsay.

Frank French.

C. H. Reed.

## MASSACHUSETTS.

W. B. Closson.

A. M. Lindsay.

S. R. Koehler.

Charles A. Walker.

## COMMITTEE ON A RETROSPECTIVE EXHIBIT OF AMERICAN PAINTING IN WATER COLORS.

## COMMITTEE-AT-LARGE.

Charles Henry Hart, *Philadelphia*; *Chairman*.  
Thomas B. Clarke, *New York*. Charles G. Loring, *Boston*.

## ADVISORY COMMITTEE.

## NEW YORK.

John La Farge.

John F. Wen.

## MASSACHUSETTS.

Hon. Martin Brimmer.

J. Templeman Coolidge.

J. Harvey Young.

Gen. Charles G. Loring.

Frederick P. Vinton.

## PENNSYLVANIA.

Charles Henry Hart.

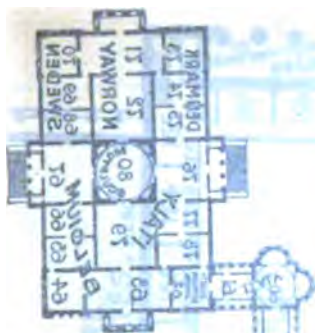
J. Granville Leach.

Henry Whelen, Jr.

## NATIONAL JURY AT CHICAGO.

## GROUP 143. PAINTINGS ON IVORY, ON PAPER, ON PORCELAIN, OR OTHER WALLS.

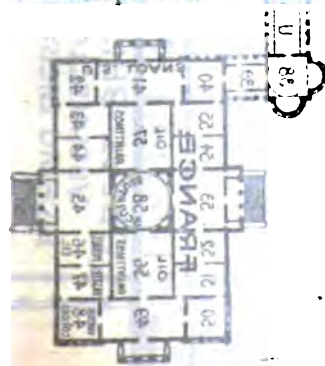
Some Jurors as for Painting in Oil and Water Colors.

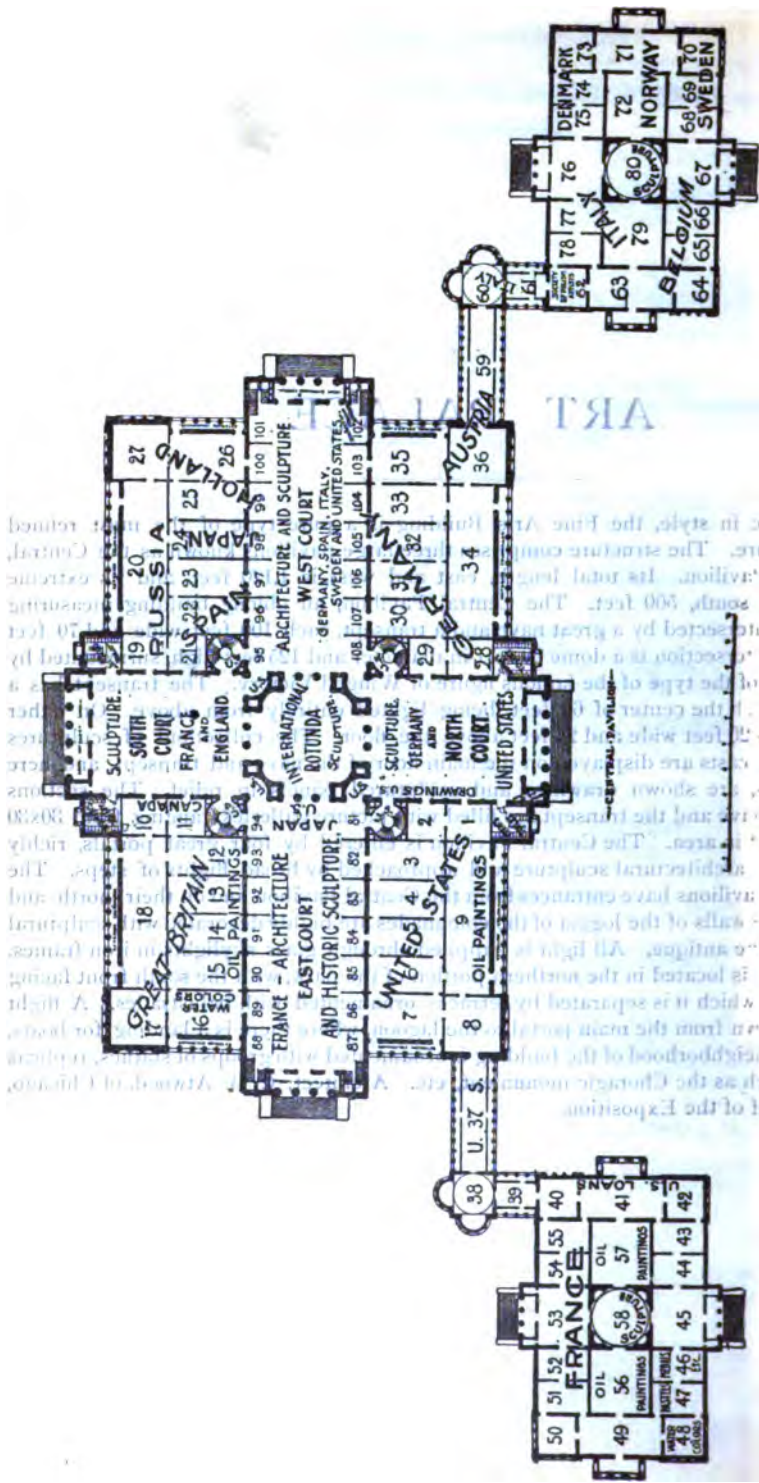


## ART PALACE.



Ionic in style, the Fine Arts Building is a pure type of the most refined ecture. The structure comprises three large pavilions known as the Central, st Pavilion. Its total length, east and west, is 1,120 feet, and its extreme and south, 500 feet. The Central Pavilion, an oblong building measuring is intersected by a great nave and a transept, each 100 feet wide and 70 feet ir intersection is a dome 60 feet in diameter and 125 feet high, surmounted by tue of the type of the famous figure of Winged Victory. The transept has a ough the center of 60 feet, being lighted entirely from above. On either ries 20 feet wide and 24 feet above the floor. The collections of sculptures ral casts are displayed on the main floor of the nave and transept, and here als, are shown drawings and sculptured panels in relief. The sections ie nave and the transept are filled with picture galleries, ranging from 30x30 feet in area. The Central Pavilion is entered by four great portals, richly with architectural sculpture and approached by broad flights of steps. The st Pavilions have entrances from the Central Pavilion and on their north and The walls of the loggia of the colonnades are highly decorated with sculptural m the antique. All light is supplied through glass skylights in iron frames. ing is located in the northern portion of the park, with the south front facing om which it is separated by terraces ornamented with balustrades. A flight down from the main portal to the lagoon, where there is a landing for boats. e neighborhood of the building is ornamented with groups of statues, replicas such as the Choragic monument, etc. Architect, C. B. Atwood, of Chicago, hief of the Exposition.





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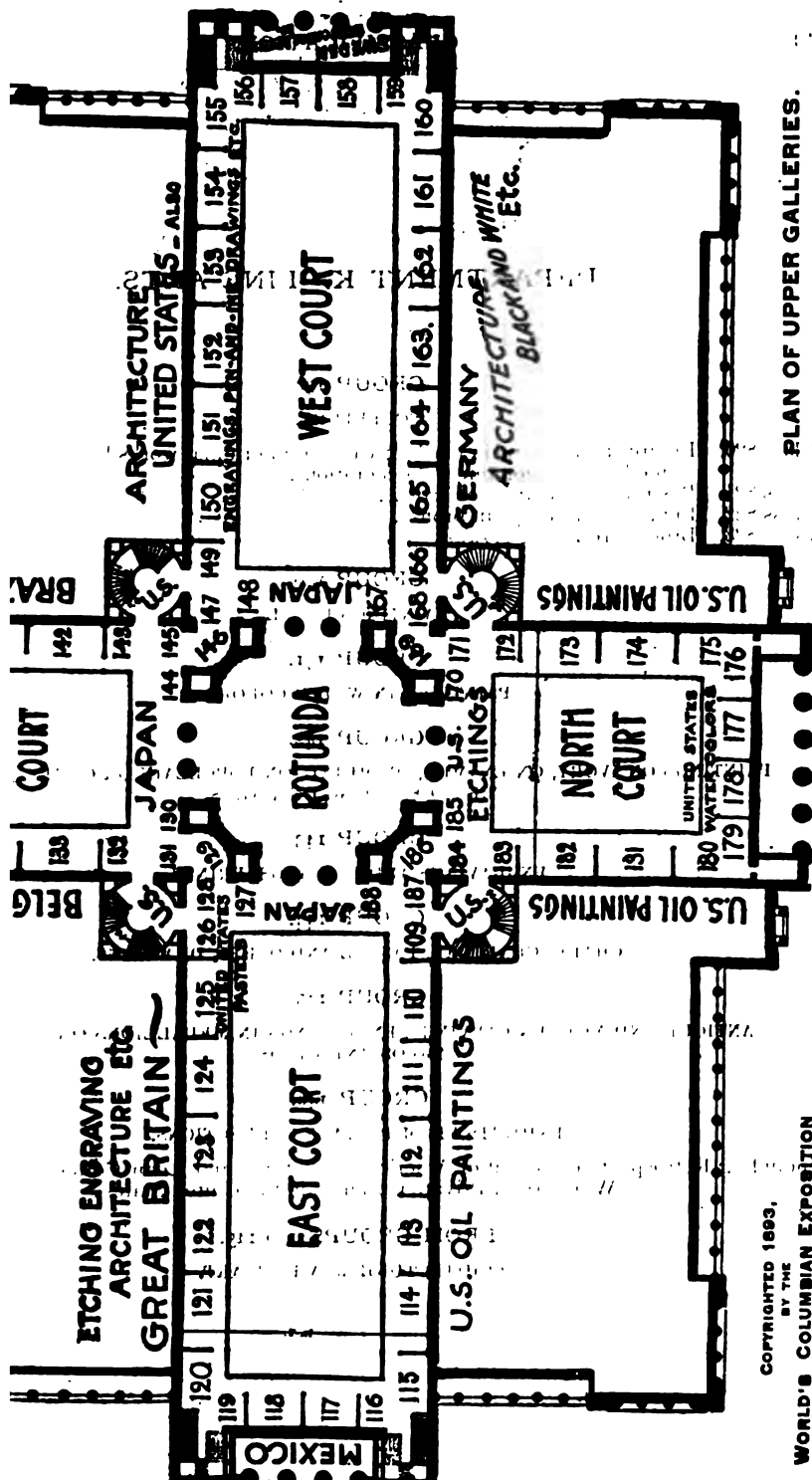
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W. B. CONKEY COMPANY,  
CHICAGO.

WORLD'S COLUMBIAN EXPOSITION  
FOR THE EXHIBITION USE OF  
W. B. CONKEY COMPANY,  
CHICAGO.

GROUND PLAN

PALACE OF FINE ARTS

WORLD'S COLUMBIAN EXPOSITION



PLAN OF UPPER GALLERIES.  
CENTRAL PAVILION.

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V. B. CONKEY COMPANY,  
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- Class 822 Figures and groups in marble, casts from or models and monumental decorations.
- Class 822 Bas-reliefs in marble or bronze.
- Class 822 Figures and groups in bronze.
- Class 822 Bronzes from *cire perdue*.

## DEPARTMENT KRAFT

Black and white  
Architecture  
Yaman  
etc.

GROUP 140.  
SCULPTURE

GROUP 141.  
PAINTINGS IN OIL

PAINTINGS IN WATER COLOR

GROUP 143.  
PAINTINGS ON IVORY, ON ENAMEL, ON METAL, ON PORCELAIN OR OTHER MATERIALS; FRESCO PAINTING ON WALLS

ENGRAVINGS AND ETCHINGS, PRINTS

CHALK, CHARCOAL, PASTEL AND OTHER DRAWINGS

GROUP 145.  
ANTIQUE AND MODERN CARVINGS, ENGRAVINGS IN METALS OR IN GEMS; CAMEOS, INTAGLIOS.

GROUP 146.  
EXHIBITS FROM PRIVATE COLLECTIONS

Including Retrospective Exhibit of American Paintings and Works from Private Galleries in the United States and Collection of Foreign

FROM GROUPS 139-145.

ARCHITECTURE AS A FINE ART

WEXICO

BRASIL

BERGAIN

DIWABEN DNIHCET  
TE ABUTS EITHCRA  
MIATIB TAEPD

MAQAL

HTAM  
TRUOT

HTUOT  
TRUOT

# Department K.--Fine Arts.

## UNITED STATES.

### Sculpture.

#### GROUP 139.

#### Sculpture.

out, Rotunda, and West Court,  
Rotunda; and in Galleries  
7 and 38.

Bert, Brooklyn.  
Bust of a Lady. (Marble.)  
era. (Marble bust.)  
es' Eva. (Plaster bust, colored.)  
fax, Boston.  
a Young Lady. (Plaster.)  
Dr. Oki, Boston.  
Sheldon, b. (Plaster, bas-relief.)  
n of Man. (Plaster.)  
Bas-relief. (Plaster.)  
is, Florence.  
and the Little Child. (Marble.)  
F. Searles, Methuen, Mass.)  
of a Gentleman. (Plaster)  
of a Lady. (Plaster bust.)  
Levere. (Equestrian statuette  
statue of Washington. (Bronze.)  
F. Searles, Methuen, Mass.)  
d W., Paris.  
on Portrait of Rev. Dr. Skinner  
st Dance. (study of the nude)  
in and Bears. (Plaster.)  
Mrs. B. (Marble.)  
ore, New York.  
ecret. (Unfinished group in  
grove east of Art Palace.)  
Joseph Jefferson as Rip Van  
ob Acres, and Dr. Pangloss  
ge E., New York.  
ttes, 140 Royal Resotder of  
and founder of the Leake  
Orpheus House. (Bronze.)

Exhibit  
No.

Borglum, J. Gutzon, Los Angeles, Cal.  
15. Indian Scouts. (Bronze.)  
Boyle, J. J., Chicago.  
16. Tired Out. (Bronze.) (From *cire per-  
due.*)  
Bradley, Amy Aldis, Boston.  
17. Daughter of the Pharaohs. (Plaster  
bust.)  
18. Bust of a Boy. (Plaster.)  
Bringhurst, Robert P., St. Louis.  
19. Awakening of Spring. (Terra Cotta.)  
20. Faun--Fragment of a Fountain. (Plas-  
ter.)  
Brooks, Caroline S., New York.  
21. The Dreaming. Iolanthe. (Relief in  
marble.)  
22. Lady Godiva. (Marble.)  
23. Lady Godiva Returning. (Relief in  
marble.)  
24. Vanderbilt Group. (Marble.)  
Brooks, Carrie L., Chicago.  
25. Enid. (Head of a Child in plaster.)  
(Lent by Mr. Watkins, Chicago.)  
Bush-Brown, H. K., Newburgh, N. Y.  
26. The Buffalo Hunt. (Plaster.)  
Byrnes, James A., Denver.  
27. Wounded Buffalo. (Plaster.)  
Calder, A. Sterling, Philadelphia.  
28. Cordelia. (Plaster bust.)  
29. Boy with Ribbon. (Plaster.)  
Cannon, H. Legrand, New York.  
30. Bas-relief of Elizabeth. Gammon  
(Bronze.)  
Ciani, Vittorio A., New York.  
31. A Cavalier. (Bronze statuette.)  
Clarke, Thomas Shields, Pittsburg.  
32. The Cider Press: a fountain. (Bronze  
group.)  
Cohen, Katherine A., Paris.  
33. Bust of Henry Southey. (Plaster.)  
Copp, Ellen Rankin, Chicago.  
34. Relief Portrait of Harriet Monroe.  
(Bronze.)

## INDEX

[illegible]

DEPARTMENT OF THE ARMY

UNITED STATES OF AMERICA

DEPARTMENT OF THE ARMY

DEPARTMENT

NEW YORK

OF

FINE ARTS.

(K)

MEMO

**HALSEY C. IVES, CHIEF.**

**CHARLES M. MURTZ, ASSISTANT CHIEF.**

**SARA TY HOLLOWELL, ASSISTANT CHIEF.**

**LET, SUPERINTENDENT OF ARCHITECTURAL AND DECORATIVE EXHIBITS.**

**GEORGE CORLISS, SUPERINTENDENT OF GALLERIES.**

GROUP FOR EXHIBITION IN GIN

NEW YORK

## DEPARTMENT OF FINE ARTS. (K)

## UNITED STATES SECTION.

## JURIES OF ACCEPTANCE.

## GROUP 139.—SCULPTURE.

## NEW YORK.

Augustus St. Gaudens. Olin L. Warner.  
J. Q. A. Ward. John J. Boyle.  
Daniel C. French.

## PENNSYLVANIA.

John J. Boyle. Daniel C. French.  
Charles G. Crilly. Olin L. Warner.

## MASSACHUSETTS.

Daniel C. French. Olin L. Warner.  
John J. Boyle.

## ROME.

Harriet Hosmer. Waldo Story.  
Franklin Simmons. Larkin G. Mead.

## FLORENCE.

William Couper. Larkin G. Mead.  
Waldo Story.

## NATIONAL JURY AT CHICAGO.

Daniel C. French, *Boston*. Lorado Taft, *Chicago*.  
Robert Bringhurst, *St. Louis*.

## ALTERNATES.

John J. Boyle, *Philadelphia*. Carl Rohl-Smith, *Chicago*.  
J. Gelert, *Chicago*.

## GROUP 140.—PAINTINGS IN OIL.

## NEW YORK.

William M. Chase. Eastman Johnson.  
R. Swain Gifford. H. Bolton Jones.  
F. D. Millet. (G. W. Maynard, Alternate.)  
I. M. Gauguin. John W. Beatty.  
E. C. Tarbell. Charles E. Dana.

## PENNSYLVANIA.

John W. Beatty. Clifford P. Grayson.  
Charles E. Dana. Joseph R. Woodwell.  
William Dalliba Dutton. (Stephen Parrish, Alternate.)  
H. Bolton Jones. Eastman Johnson.

40.—PAINTINGS IN OIL.—Continued.

MASSACHUSETTS.

Thomas Allen.	E. C. Tarbell.
J. J. Enneking.	F. P. Vinton.
L. M. Gaugengigl.	William M. Chase.
R. Swain Gifford.	

PARIS.

F. A. Bridgman.	Walter McEwen.
W. T. Dannat.	Gari J. Melchers.
Walter Gay.	Charles Sprague Pearce.
Alexander Harrison.	J. L. Stewart.

E. L. Weeks.

MUNICH.

Walter Beck.	Carl Marr.
J. Frank Currier.	Orrin Peck.
Toby Rosenthal.	

ROME.

C. C. Coleman.	William Stanley Haseltine.
Elihu Vedder.	

NATIONAL JURY AT CHICAGO.

Wm. New York.	Gari J. Melchers, <i>Detroit.</i>
Maynard, <i>New York.</i>	Douglas Volk, <i>Minneapolis.</i>
S. Murphy, <i>New York.</i>	John H. Fry, <i>St. Louis.</i>
Hovenden, <i>Philadelphia.</i>	Frederick W. Freer, <i>Chicago.</i>
Allen, <i>Boston.</i>	John H. Vanderpoel, <i>Chicago.</i>
Gray, <i>Cincinnati.</i>	Walter McEwen, <i>Chicago.</i>
C. C. Coleman, <i>Rome, Italy.</i>	

41.—PAINTINGS IN WATER COLORS.

NEW YORK.

Frederick Dieffen.	J. C. Nicoll.
Charles Harry Eaton.	Walter Shirlaw.
Louis C. Tiffany.	

cities the Jury for Paintings in Oil also acted for Water Colors.

GROUPS 139-145.—ARCHITECTURE.

NEW YORK.

Richard M. Hunt.	Stanford White.
William B. Tuthill.	C. Howard Walker.
John Stewardson.	

PENNSYLVANIA.

Frank Miles Day.	John Stewardson.
Henry Pettit.	W. B. Tuthill.
Edmund M. Wheelwright.	

MASSACHUSETTS.

Edward C. Cabot.	Edmund M. Wheelwright.
Howard Walker.	W. B. Tuthill.
Frank Miles Day.	

NATIONAL JURY AT CHICAGO.

Good, <i>New York.</i>	W. S. Eames, <i>St. Louis.</i>
Bert, <i>St. Paul.</i>	S. S. Beman, <i>Chicago.</i>
D. Adler, <i>Chicago.</i>	

42.—PAINTINGS ON IVORY, ON ENAMEL, ON METAL, ON PORCELAIN, OR OTHER WARES; FRESCO PAINTING ON WALLS.

same Juries as for Paintings in Oil and for Architecture.

## GROUP 143.—ENGRAVINGS AND ETCHINGS, PRINTS.

## FOR STITCHES

## NEW YORK.

Carlton T. Chapman.  
Samuel Colman.

Thomas Allen.  
J. J. Enckman.  
C. A. Platt.

James D. Squillie.

## PENNSYLVANIA.

Hermann Faber.

Max Rosenthal.

Bernhard Uhle.

## MASSACHUSETTS.

W. B. Closson.

HONORARY

S. R. Koehler.

Hermann Faber.

Charles A. Walker.

## FOR WOOD ENGRAVING.

## NEW YORK.

Horace Baker.

John P. Davis.

A. M. Lindsay.

Frank French.

## PENNSYLVANIA.

A. M. Lindsay.

C. H. Reed.

Frank French.

## MASSACHUSETTS.

W. B. Closson.

S. R. Koehler.

A. M. Lindsay.

Charles A. Walker.

## COMMITTEE ON A RETROSPECTIVE EXHIBIT OF AMERICAN PAINTING

## GROUP 144. PAINTINGS IN WATER COLORS.

## NEW YORK.

## COMMITTEE-AT-LARGE

Charles Henry Hart, *Philadelphia, Chairman.*

Thomas B. Clarke, *New York.*

Charles G. Loring, *Boston.*

## ADVISORY COMMITTEE

## NEW YORK.

John La Farge.

John F. Wen.

## MASSACHUSETTS.

Hon. Martin Brimmer.

Gen. Charles G. Loring.

J. Templeman Coolidge.

Frederick P. Vinton.

J. Harvey Young.

## PENNSYLVANIA.

Charles Henry Hart.

Henry Whelen, Jr.

J. Granville Leach.

## NATIONAL JURY AT CHICAGO.

H. J. ...

C. B. Wood, *New York.*

Class Gilbert, *New York.*

## GROUP 145. PAINTINGS ON IVORY, ON ENAMEL, OR ON PORCELAIN, OR OTHER WARE; FRESCO PAINTING ON WALLS.

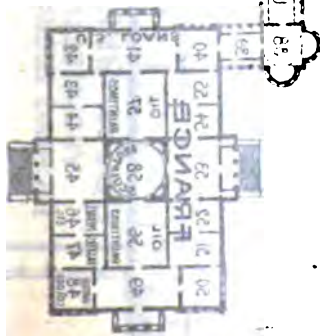
Same Jurors as for Painting in Oil and Water Colors.

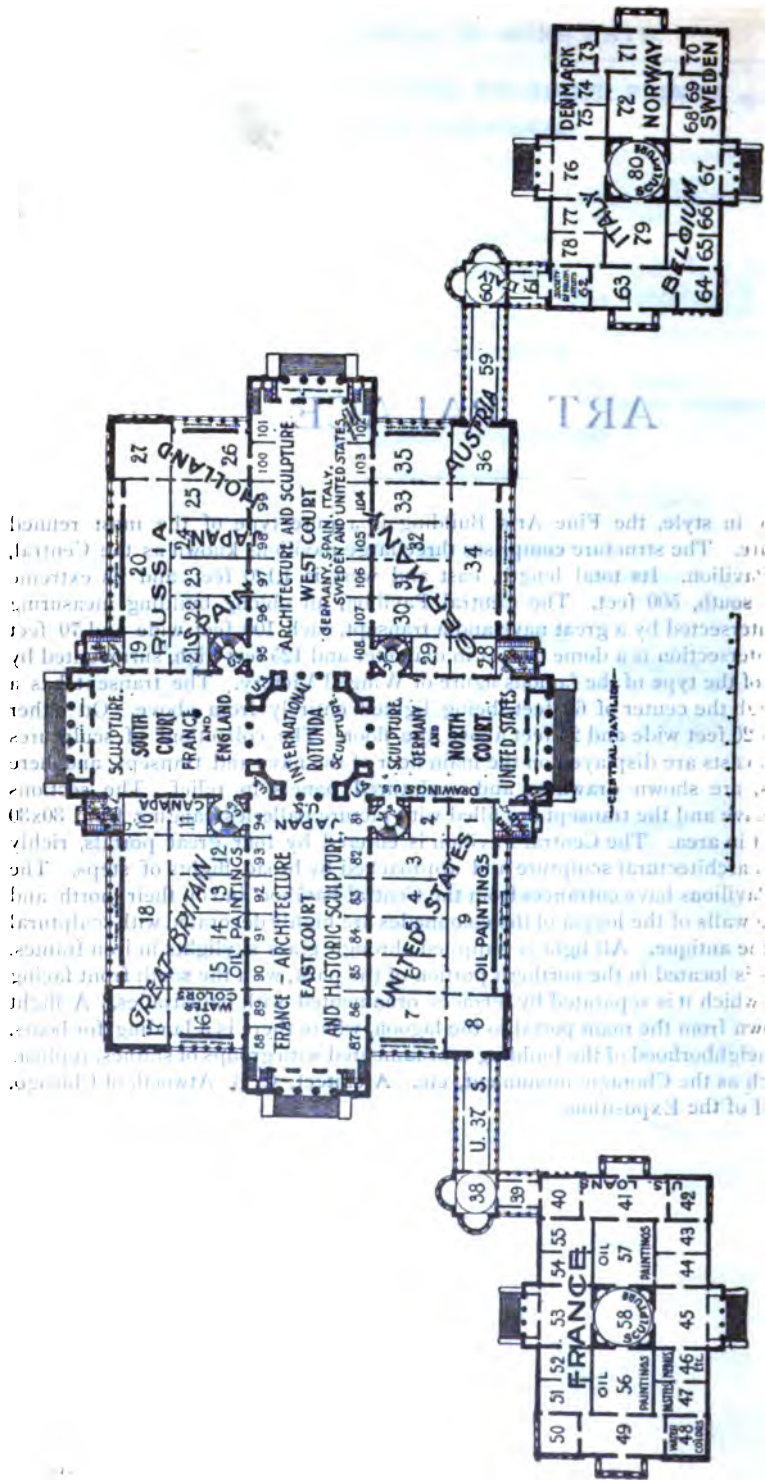


## ART PALACE.



In Ionic style, the Fine Arts Building is a pure type of the most refined structure. The structure comprises three large pavilions known as the Central, East Pavilion. Its total length, east and west, is 1,120 feet, and its extreme width, north and south, 500 feet. The Central Pavilion, an oblong building measuring 100 feet wide and 70 feet high, is intersected by a great nave and a transept, each 100 feet wide and 70 feet high. At the intersection is a dome 60 feet in diameter and 125 feet high, surmounted by the figure of the type of the famous figure of Winged Victory. The transept has a width of 60 feet, being lighted entirely from above. On either side of the transept are 20 feet wide and 24 feet above the floor. The collections of sculptures and casts are displayed on the main floor of the nave and transept, and here also are shown drawings and sculptured panels in relief. The sections of the nave and the transept are filled with picture galleries, ranging from 30x30 feet in area. The Central Pavilion is entered by four great portals, richly decorated with architectural sculpture and approached by broad flights of steps. The East Pavilions have entrances from the Central Pavilion and on their north and south. The walls of the loggia of the colonnades are highly decorated with sculptural work in the antique. All light is supplied through glass skylights in iron frames. The building is located in the northern portion of the park, with the south front facing the lagoon from which it is separated by terraces ornamented with balustrades. A flight of steps leads down from the main portal to the lagoon, where there is a landing for boats. The neighborhood of the building is ornamented with groups of statues, replicas such as the Choric monument, etc. Architect, C. B. Atwood, of Chicago, Chief of the Exposition.





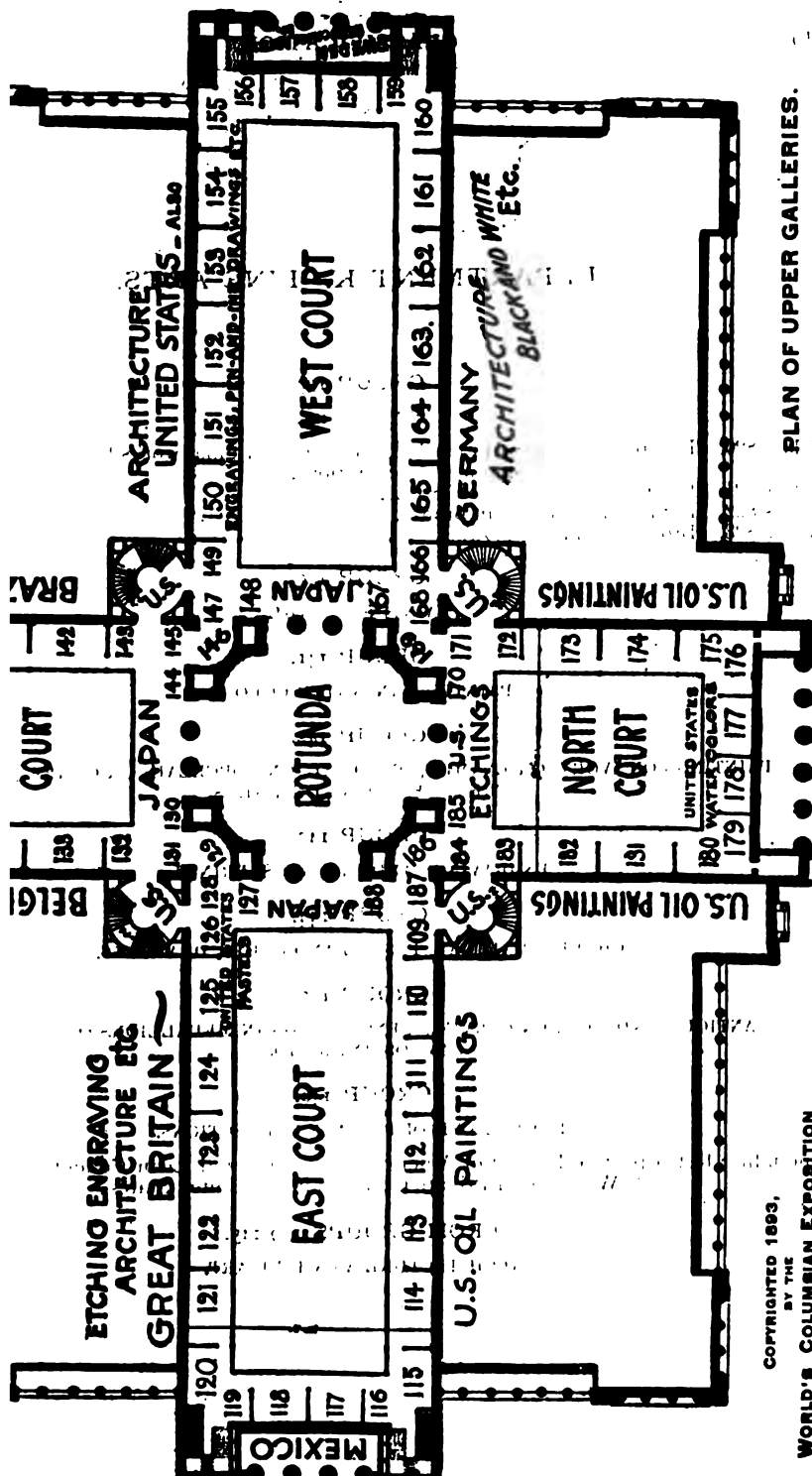
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CHICAGO.

**PALACE OF FINE ARTS**

**WORLD'S COLUMBIAN EXPOSITION**



PLAN OF UPPER GALLERIES.  
CENTRAL PAVILION.

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RECEIVED  
MAY 10 1934  
U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

- Class 821 Figures and groups in marble, casts from original models and monumental decorations.  
 Class 822 Bas-reliefs in marble and bronze.  
 Class 823 Figures and groups in bronze.  
 Class 824 Bronzes from *cire perdue*.

# DEPARTMENT OF THE INTERIOR

BLACK AND WHITE  
PHOTOGRAPHS  
OF  
SCULPTURE  
AND  
ARCHITECTURE

GROUP 140.  
SCULPTURE  
IN MARBLE  
AND BRONZE

SCULPTURE  
IN MARBLE  
AND BRONZE

U.S. OIL PAINTINGS

GROUP 141.  
PAINTINGS IN OIL

BRAZIL

PAINTINGS ON WOOD, ON ENAMEL, ON METAL, ON PORCELAIN, OR OTHER MATERIALS;  
 FRESCO PAINTING ON WALLS

U.S. OIL PAINTINGS

GROUP 143.  
ENGRAVINGS AND ETCHINGS

BELGIUM

CHALK, CHARCOAL, PASTEL AND OTHER

GROUP 145.

ANTIQUE AND MODERN CARVINGS, ENGRAVINGS IN METALLIONS OR IN GEMS;  
 CAMEOS, INTAGLIOS.

GROUP 146.

EXHIBITS FROM PRIVATE COLLECTIONS

Including Retrospective Exhibit of American Paintings and Works from Private Galleries in the United States

FROM GROUP 143-145.

ARCHITECTURE AS A FINE ART

MEXICO

RECEIVED  
MAY 10 1934  
U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

# Department K.--Fine Arts.

## UNITED STATES.

### Sculpture.

#### GROUP 439.

#### Sculpture.

Court, Rotunda, and West Court,  
Rotunda, and in Galleries  
7 and 38.

Robert, Brooklyn.  
Bust of a Lady. (Marble.)  
Eva. (Marble bust.)  
Eva. (Plaster bust, colored.)  
Max, Boston.  
A Young Lady. (Plaster.)  
Dr. Oki, Boston.  
Sheldon. (Plaster, bas-relief.)  
on of Man. (Plaster.)  
t. Bas-relief. (Plaster.)  
as, Florence.  
and the Little Child. (Marble.)  
E. F. Seales, Methuen, Mass.)  
t of a Gentleman. (Plaster)  
t of a Lady. (Plaster bust.)  
Reverse. (Equestrian statuette)  
Statue of Washington. (Bronze.)  
E. F. Seales, Methuen, Mass.)  
ul W., Paris.  
Portrait of Rev. Dr. Skinner.  
Dance. (study of the nude).  
an and Bears. (Plaster.)  
Mrs. B. (Marble.)  
lora, New York.  
ecret. (Unfinished group in  
grove east of Art Palace.)  
f Joseph Jefferson as Rip Van  
Wack, and Dr. Pangloss  
ge E., New York.  
atta, O. Royal, Recorder of  
, and founder of the League  
Orphan, Halsey. (Bronze.)

#### Exhibit No.

Borglum, J. Gutzon, Los Angeles, Cal.  
15. Indian Scouts. (Bronze.)  
Boyle, J. J., Chicago.  
16. Tired Out. (Bronze.) (From *cire per-  
due*.)  
Bradley, Amy Aldis, Boston.  
17. Daughter of the Pharaohs. (Plaster  
bust.)  
18. Bust of a Boy. (Plaster.)  
Brinhurst, Robert P., St. Louis.  
19. Awakening of Spring. (Terra-Cotta.)  
20. Faun--Fragment of a Fountain. (Plas-  
ter.)  
Brooks, Caroline S., New York.  
21. The Dreaming Iolanthe. (Relief in  
marble.)  
22. Lady Godiva. (Marble.)  
23. Lady Godiva Returning. (Relief in  
marble.)  
24. Vanderbilt Group. (Marble.)  
Brooks, Carrie L., Chicago.  
25. Enid. (Head of a Child in plaster.)  
(Lent by Mr. Watkins, Chicago.)  
Bush-Brown, H. M., Newburgh, N. Y.  
26. The Buffalo Hunt. (Plaster.)  
Byrnes, James A., Denver.  
27. Wounded Buffalo. (Plaster.)  
Caldwell, A. Sterling, Philadelphia.  
28. Cordeha. (Plaster bust.)  
29. Boy with Ribbon. (Plaster.)  
Cannon, H. Legrand, New York.  
30. Bas-relief of Elizabeth Cannon  
(Bronze.)  
Ciani, Vittorio A., New York.  
31. A Cavalier. (Bronze statuette.)  
Clarke, Thomas Shields, Pittsburgh.  
32. The Cider Press: a fountain. (Bronze  
group.)  
Cohen, Katherine A., Paris.  
33. Bust of Henry Souther. (Plaster.)  
Copp, Ellen Franklin, Chicago.  
34. Relief Portrait of Harriet Monroe  
(Bronze.)

## Sculpture.

Exhibit  
No.

- Cox, Charles B., Philadelphia.  
 35. American Buffalo. (Bronze.)  
 Cushing, Robert, New York.  
 36. Bust of Cardinal McCloskey. (Bronze.)  
 Dallin, C. E., Paris.  
 37. Signal of Peace. (Bronze equestrian statue.)  
 38. Portrait Bust of Dr. E. F. Hamilton. (Marble.) (Lent by Mrs. Fdella B. Hamilton, Salt Lake City.)  
 Donoghue, John, London.  
 39. Kypros. (Plaster.)  
 40. The Young Sophocles leading the Chorus of Victory after the Battle of Salamis. (Plaster.)  
 40a. Hunting Nymph. (Plaster.)  
 Elwell, F. Edwin, New York.  
 40b. Charles Dickens and Little Nell. (Bronze.)  
 40c. Intellect Dominating Brute Forces, or Diana and the Lion. (Marble.)  
 Fjelde, Jakob, Minneapolis.  
 41. Bas-relief of Burt Harwood. (Plaster.) (Lent by Burt Harwood, Minneapolis.)  
 42. Bust of Judge Nelson. (Bronze.) (Lent by U. S. District Court, St. Paul.)  
 French, Daniel C., New York.  
 43. Bust of Abraham Lincoln. (Bronze.)  
 44. The Angel of Death and the Sculptor. (Plaster.)  
 Gelert, J., Chicago.  
 45. Bust of Abraham Lincoln, heroic size. (Plaster.) In Gallery 38.  
 46. The Little Architect. (Plaster group.)  
 47. Theseus, Victor over the Minotaur. (Bronze statuette.)  
 48. The Struggle for Work. (A group of figures in plaster, represented as contending for a work ticket thrown from a factory window.)  
 Grafty, Charles, Philadelphia.  
 49. Daedalus. (Bronze.) (Lent by the Pennsylvania Academy of the Fine Arts, Philadelphia.)  
 50. A Bad One. (Plaster.)  
 Griffith, J. Milo, Chicago.  
 52. Sabrina, Goddess of the Severn. (Marble.)  
 53. Nubian Captive. (Plaster.)  
 54. Courting during the time of Queen Elizabeth. (Bronze.)  
 56. Study of a Female Head. (Marble medallion.)  
 57. Dawn. (Marble medallion.)  
 Hammond, Jane Nye, Boston.  
 58. Lucie. (Bronze relief.)  
 59. A Medallion. (Plaster.)

Exhibit  
No.

- Hartley, J. S., New York.  
 60. Pan. (Bronze group.) (Lent by Dr. Fiske, Brooklyn.)  
 61. Bust of Wm. Conant Church. (Bronze.) (Lent by Col. W. C. Church, New York.)  
 62. John Gilbert as Sir Peter Teazle. (Bronze.)  
 Hyatt, Harriet Randall, Boston.  
 63. Head of Laughing Girl. (Plaster.)  
 Kemeys, Edward, Chicago.  
 64. Old Ephraim.  
 65. After-the Feast.  
 66. American Bay Lynx.  
 67. American Panther and Her Cubs.  
 68. Grappling His Gaithe.  
 69. Fighting Panther and Deer.  
 70. Texan Bull and Jaguars.  
 71. The Still Hunt.  
 72. Battle of the Bulls.  
 73. American Black Bear.  
 74. Jaguar and Boa-constrictor.  
 74a. American Bison.  
 Kitson, Henry H., Boston.  
 75. Music of the Sea. (Bronze.) (Lent by Mrs. D. P. Kimball, Boston.)  
 76. Portrait Bust. (Marble.) (Lent by Mrs. Ruggles, Boston.)  
 77. Christ Crucified. (Plaster.)  
 77a. The Age of Stone. (Plaster.)  
 Kretschmar, Howard, Chicago.  
 77b. Tantalus. (Plaster.)  
 Lindstrom, August, Chicago.  
 78. Bust of John Ericson. (Plaster.)  
 Locher, Aloys, Milwaukee.  
 78a. Bust of Mrs. Jessie Bartlett Davis. (Marble.) (Lent by Mr. Davis, Chicago.)  
 Martiny, Phillip, New York.  
 79. Portrait Bust of a Child. (Plaster.)  
 Mead, Larkin G., Florence.  
 80. The Return of Proserpine from the Realms of Pluto. (Plaster.) (On pediment of Agricultural Building.)  
 Mills, J. Harrison, New York.  
 81. Portrait Medallion. (Plaster.)  
 Murray, Samuel, Philadelphia.  
 82. Study of a Child's Head. (Bronze.) (Lent by Mrs. Brown, Philadelphia.)  
 83. Walt Whitman. (Bronze.) (Lent by Thomas B. Harned, Philadelphia.)  
 Niehaus, C. H., New York.  
 84. Historical Door of Trinity Church. (Plaster.)  
 85. Athlete. (Plaster.)  
 O'Donovan, William Russell, New York.  
 86. Bust of Thomas Eakins. (Bronze.)  
 87. Bust of R. S. Gifford. (Bronze.)  
 Partridge, William Ordway, Milton, Mass.  
 88. Portrait Bust of a Lady. (Marble.)  
 89. Bust of J. R. Lowell. (Plaster.)

Sculpture.

replica of statue of Shakes-  
Lincoln Park, Chicago.  
ng Home. (Marble bust)  
(Plaster.)  
of Christ. (Marble.)  
nd Everett Hale. (Bronze bust.)  
Summer Night. (Relief in mar-  
eam. (Marble, bas-relief.)  
er replica of the statue of Alexan-  
nilton for the Hamilton Club,  
George D. Chicago.  
at Bay. (Plaster.)  
sie O. Chicago.  
David Swing. (Plaster bust.)  
J. I. Pearce, Chicago.  
ait in Relief. (Plaster.) (Lent  
acGillivray, Chicago.)  
eston, Denver.  
losing Era. (Bronze.)  
by the women of Denver for  
l grounds.  
la de Bardi. (Marble bust)  
atherine, Boston.  
the New Year, Peace to the Old.  
medallion.)  
F. W. H. New York.  
Waldo Emerson. (Bronze.)  
er. (Bronze.)  
Bear.  
Bear. (Bronze.)  
n, New York.  
of Abraham Lincoln, seated.  
Carl, Chicago.  
Wanartaka (Kicking Bear),  
e Sioux. (Plaster bust.)  
of Henry Watterson. (Bronze)  
Mrs. Henry Watterson, Louis-  
2. Wallington, New York.  
ng. (Marble.)  
leo Alice, Boston.  
England Fisherman. (Plaster.)  
it bust (Italian child). (Bronze)  
Orpheus. (Plaster.)  
Banks of the Nile. (Bronze.)  
erick A., Florence.  
ascension. (Marble.) At Art  
Denver.  
Paradisé. (Bas-relief in plas-  
John S. Denver, Col.  
n Bas-relief. (Marble.)  
Chicago.  
it Bust of Susan B. Anthony.

Exhibit  
No.  
Tilden, Douglas, Paris.  
117. Young Acrobat. (Bronze.)  
118. Baseball Player. (Plaster.)  
119. Tired Boxer. (Plaster.)  
120. Indian Bear Hunt. (Bronze.)  
Triebe, Frederick E., Florence.  
121. Savonarola. (Plaster bas-relief.)  
122. Donatello. (Plaster bas-relief.)  
123. Mysterious Music. (Bronze.)  
124. Love Knows no Castle. (Marble.)  
(Lent by Mrs. Joseph B. Greenhut,  
Peoria, Ill.)  
125. Bust of Gen. John A. Logan. (Marble.)  
126. The First Born. (Marble.)  
127. Bust of Rev. Edwin B. Russell.  
(Marble.) (Lent by Rev. E. B. Russell,  
New York.)  
Turner, William G., Florence.  
128. A Dream. (Marble bust.)  
129. Fisherman's Daughter. (Marble.)  
130. The Herald of Peace. (Bronze statue,  
from *cire perdue*.)  
131. Rhoda. (Marble statuette.)  
Varney, Luella, Rome.  
132. Mark Twain. (Bronze bust.)  
133. Portrait of a Lady. (Marble bust.)  
133a. Edith Van Buren. (Marble bust.)  
Volk, Leonard W., Chicago.  
134. Bust of Colonel Haskell, U. S. A.  
(Marble.) Presented to West Point Mil-  
itary Academy by Mrs. Mary C. Haskell.  
135. Bust of a Lady. (Marble.)  
135a. Portrait of the late Col. Wm. Hale  
Thompson. (Marble bust.) (Lent by Mr.  
W. H. Thompson, Chicago.)  
Warner, Olin L., New York.  
136. Diana, reclining. (Plaster statuette.)  
137. Medallion of Joseph, Chief of the Nez  
Perces Indians. (Bronze.)  
138. Medallions of Columbia River In-  
dians. (Bronze panel.)  
139. Portrait of J. Alden Weir. (Bronze bust.)  
140. Portrait of a Baby. (Bronze bust.)  
141. Bust of Mozart, heroic, for a public  
fountain in Portland, Oregon. (Plaster.)  
(In Gallery 98.)  
142. Model for a Caryatid. (Plaster.)  
Wesselhaeff, F. G., Cambridge, Mass.  
143. Titania and Bottom. (Plaster.)  
144. African Head. (Plaster.)  
White, Alfred R., Paris.  
145. Portrait of Monsieur M. (Plaster.)  
Whitney, Anne, Boston.  
146. Roma. (Plaster.)  
Wuertz, Emil H., Chicago.  
147. Murmur of the Sea. (Plaster.)  
Zearing, H. H., Chicago.  
148. Bas-relief of Abraham Lincoln.  
(Bronze.)

## Paintings in Oil.

## GROUP 140.

## Paintings in Oil.

In Galleries 1, 3, 5, 6, 7, 8, 9, 37, 38, 39, and  
in Upper Gallery Alcoves 109-115,  
(173-175, 180-184, 186, 187.)

Exhibit  
No.

Abbey, Edwin A., Fairford, Gloucestershire, England.

148a. Galahad brought to Arthur's Court.

(Section of frieze for the Delivery Room of the Public Library, Boston.) (Lent by

the Public Library, Boston.)

Albright, A. E., Chicago.

149. Morning glories.

Alexander, Henry, New York.

150. Chinese Interior.

Allen, Thomas, Boston.

151. Moonrise.

152. Thoroughbreds. (Lent by Mrs. Thomas

Allen, Pittsfield, Mass.)

153. Under the Willows.

154. Coming Through the Wood.

Allen, W. S., New York.

155. Evening at the Lake.

Amodei, William T., New York.

156. Spanish Meadows.

Anderson, David J., Woodridge, N. J.

157. Landscape.

Armstrong, Maitland, New York.

158. "White House," Pont Aven, Brittany.

Baer, William J., New York.

159. Day Dream.

Baird, W. B., Paris.

160. Waiting Their Turn.

Baker, Ellen Kendall, Putaux, France.

161. Sans Souci.

Baker, Mary K., Boston.

162. Chrysanthemums.

Baker, William Bliss (deceased).

163. Silence. (Lent by Thomas B. Clarke, New York.)

Barnard, E. H., Boston.

164. Midday.

165. Portrait of E. H. B.

Bates, Dewey, Cookham Dene, Berkshire, England.

166. Spring. (Lent by Mrs. A. C. C. Bates, London.)

Beaux, Cecilia, Philadelphia.

167. Last Days of Infancy. (Lent by W. F. Biddle, Philadelphia.)

168. Portrait of a Boy.

Beck, Carol H., Philadelphia.

169. Portrait of Governor Pattison. (Lent by Hon. R. E. Pattison, Harrisburg, Pa.)

170. Portrait.

Beckwith, Carroll, New York.

171. Mr. Isaacson.

## Exhibit

## No.

172. Portrait of Miss E. A. H. (Lent by

Miss Hall, New York.)

Bell, E. A., New York.

173. Portrait. Study of a Lady in Gray.

Benedict, Enella, Lake Forest, Ill.

174. Brittany Children.

Benson, Frank W., Salem, Mass.

175. Figure in White.

176. Portrait in White.

177. Girl with a Red Shawl. (Lent by

Mrs. David Kimball, Boston.)

Bicknell, Frank A., Paris.

178. An Old Apple Orchard.

179. Along the River Oise.

Bigelow, D. F., Chicago.

180. Lake Champlain and the Adirondacks.

Bisbing, Henry S., Paris.

181. On the River Shore.

182. Afternoon in the Meadow.

183. Lapsing Waves on Quiet Shore.

Blackman, Walter, London.

184. A Capri Belle.

Blakelock, R. A.

185. Moonlight. (Lent by W. M. L.)

New York.)

186. Cloverdale. (Lent by Thomas B. Clarke,

New York.)

Blashfield, Edwin H., New York.

187. The Angel with the Flaming Sword.

188. Christmas Bella.

189. Portrait.

Blenner, Carle J., New York.

190. Contentment.

191. Portrait of El Señor Don Roderigo de

Saavedra. (Lent by Rodrigo de Saavedra, Jr., Royal Spanish Legation, Wash-

ington.)

Bogert, George H., New York.

192. Morning.

193. Moonlight, Etapes, France.

Boggs, Frank M., Paris.

194. Fishing Boats on the Seine.

France. (Lent by James H. Dole, Chi-

cago.)

195. Brooklyn Bridge.

Boston, Joseph H., Brooklyn.

196. Gladys: A Portrait.

Boughton, George H., Care of Messrs. B.

thorne, London.

197. An English Spring Day.

Boutwood, Charles E., Chicago.

198. Portrait of Hon. C. B. Farwell. (Lent

by Mrs. Dudley Winston, Chicago.)

Boyden, Dwight Frederic, Paris.

199. The Pines of Mauve.

Bregler, Charles, Philadelphia.

200. Portrait of a Woman. (Lent by

Wm. Bregler, Philadelphia.)

Paintings in Oil.

Frederic A. Paris.  
of the Red Sea.  
at the Mosque. (Lent by  
village at El Biar, Algiers.  
reams.  
Day at Mustapha, Algiers.  
in and Child—The Bath.  
of Algiers—The Morning Bath.  
New York.  
Chocorua, N. H.  
F., Chicago.  
rimrose Way.  
A., Jr., East Hampton, L. I.  
Melons.  
ppleton, New York.  
time.  
New York.  
Trick.  
ump Speech.  
ng the Dog.  
or The Shore. (Lent by Isidore  
ew York.)  
ward Bound. (Lent by W. T.  
ew York.)  
Old Cottage. (Lent by Gilbert  
York.)  
we Were Gypsies. (Lent by E.  
York.)  
ilda, New York.  
willing Model.  
ter Francis, Venice.  
a, Sunrise.  
arles Francis, Chicago.  
oplar Trees.  
umes of Drumming, Arran.  
rom the Beach, Cape Ann.  
Oise, France.  
ge de Forest, New York.  
r and Child. (Lent by J. M.  
ton.)  
dian and the Lily. (Lent by  
er, Jersey City.)  
lead Dress. (Lent by H. H.  
m.)  
ulptor and the King.  
lace, Boston.  
oline, Boston.  
of Snowballs. (Lent by Mrs.  
s, Providence.)  
Stacks, Afternoon Sunshine.  
ield.  
Mrs. M. Lesley, Newburgh.  
ent of Mural Decoration for  
m. (See also 2691.)  
ge B.  
th Tambourine. (Lent by W.  
ll, New York.)

Exhibit  
No.  
Butler, Herbert, Chicago.  
232. Hard Times.  
Butler, Howard Russell, New York.  
233. Seaweed Gatherers, Finistere, France.  
234. Church of Guadalupe, Aguas Calientes,  
Mexico.  
235. Marine.  
Buttles, Mary, New York.  
236. Julie.  
237. Peasant Woman of Alsace.  
Cady, Henry N., Philadelphia.  
238. Sunset at Narragansett Pier.  
Cain, Neville, Louisville.  
239. The Satyr and the Traveler.  
Calliga, T. M., Boston.  
240. Portrait. (Acq. by Robert T. McDevick  
Brookline, Mass.)  
Cameron, Edgar S., Chicago.  
241. In the Studio.  
Candidus, Harry W. T., Munich.  
242. Landscape.  
Carl, Kate A., Paris.  
243. Head of a Man.  
Caldwell, Leslie, Paris.  
244. A Sun Bath.  
245. A Breton Garden.  
246. A Daughter of Eve.  
Chapman, Carlton T., New York.  
247. Five O'clock at St. Ives, England.  
248. On Cape Ann. (Lent by Mrs. John  
Hutton, New York.)  
Chase, Harry.  
249. At Anchor off Scheveningen. (Lent  
by Mrs. Harry Chase, St. Louis.)  
250. The Battery Park. (Lent by Mrs.  
Harry Chase, St. Louis.)  
Chase, William M., New York.  
251. Lady in Pink.  
252. Portrait of Mrs. L.  
253. Alice. A Portrait.  
254. Meditation. A Portrait. (Pastel.)  
255. Portrait of Mrs. E. (Lent by Mrs. E.)  
256. Lilliputian Boats in the Park. (Lent  
by R. L. Knoedler, New York.)  
Church, F. S., New York.  
257. Knowledge is Power. (Lent by C. J.  
Freer, Detroit.)  
258. The Vikings Daughter. (Lent by  
John Gellatly, New York.)  
Churchill, W. W., Boston.  
259. Portrait.  
Clark, Rose, Buffalo.  
260. Mother and Child.  
Clark, Walter, New York.  
261. Spring.  
Clarke, Thomas Shields, Pittsburg.  
262. A Fool's Fool. (Lent by Pennsyl-  
vania Academy of the Fine Arts.)  
263. Night Market, Morocco.

## Paintings in Oil.

## Exhibit

- No.  
 264. A Gondola Girl.  
 265. Portrait of Madame d'E.  
 265a. Morning, Noon and Night.  
 Clawson, John W., Paris.  
 266. Santa Maria della Salute, Venice.  
 Clements, Gabrielle D., Philadelphia.  
 267. Andarina.  
 Clinedinst, B. W., New York.  
 268. The Water Colorist.  
 269. Monsieur's Mail.  
 Cobb, Arthur Murray, Giverny, France.  
 270. First Snow.  
 Cochrane, J. G., Boston.  
 271. Old Stone Stairway, Pont Aven, France.  
 Coffin, Elizabeth R., Brooklyn.  
 272. Hanging the Net.  
 Coffin, Esther L., New York.  
 273. Grapes.  
 Coffin, William A., New York.  
 274. A Pennsylvania Farm After a Thunder Shower.  
 275. Moonlight in Harvest.  
 276. Twilight. (Lent by John B. Ladd, Brooklyn.)  
 277. Early Morning. (Lent by W. Seward Webb, New York.)  
 278. Evening. (Lent by J. M. Lichtnauer, New York.)  
 279. September Breeze. (Lent by W. Seward Webb, New York.)  
 Cohen, George W., New York.  
 280. A Tale of the Sea.  
 Collins, Alfred Q., New York.  
 281. Portrait of Mr. Joe Evans. (Lent by Mr. Joe Evans, New York.)  
 Colman, Samuel, Newport.  
 282. Mexican Hacienda.  
 283. Mt. Tacoma from Puget Sound.  
 284. The Inner Gorge of the Grand Cañon of the Colorado.  
 Coman, Mrs. Charlotte B., Waterville, N. Y.  
 285. The Road to Town.  
 286. A Stony Brook.  
 Conant, Lucy S., Boston.  
 287. The Orchid Meadow.  
 Connah, Douglas John, New York.  
 288. Douglas John Connah. (Lent by Mrs. John Connah.)  
 Cooper, Colin C., Philadelphia.  
 289. Portrait of a Lady.  
 290. Portrait. (Lent by Gen. St. Clair A. Mulholland, Philadelphia.)  
 Corner, Thomas C., Baltimore.  
 291. Mother and Child.  
 292. Industry.  
 Corwig, Charles A., Chicago.  
 293. Edge of the Clearing.  
 Couse, Eanger I., Paris.  
 294. My First Born.

## Exhibit

- No.  
 295. Milking Time.  
 Cox, Kenyon, New York.  
 296. Painting and Poetry.  
 297. An Eclogue.  
 298. Diana.  
 299. The Pursuit of the Ideal.  
 300. Music. (Lent by F. N. Finney, Milwaukee.)  
 301. Echo.  
 302. May.  
 303. Portrait of L. H. K. (Lent by Mrs. Kenyon Cox.)  
 304. A Solo.  
 305. Portrait of St. Gaudens. (Lent by Augustus St. Gaudens, New York.)  
 306. Flying Shadows. (Lent by Stanford White, New York.)  
 306a. Portrait of Roger D. (Lent by Charles Deering, Evanston, Ill.)  
 306b. A Vision of Moonrise. (Lent by Charles Deering, Chicago.)  
 Cox, Louise (Louise H. King), New York.  
 307. A Rondel.  
 308. The Lotos Eaters.  
 Craig, Thomas B., New York.  
 309. Upland Pasture (Morning).  
 Cranch, Mrs. Caroline A., Boston.  
 310. Portrait of Mrs. E. D. Cranch. (Lent by the artist.)  
 310a. Portrait of Mr. Christopher Cranch.  
 Crane, Bruce.  
 311. The Harvest Field. (Lent by Andrew Carnegie.)  
 Cunningham, J. Wilton, Paris.  
 312. Caught in the Briars.  
 313. For my Rabbits.  
 Curran, Charles C., New York.  
 314. Winter Morning in a Barnyard. (Lent by Mr. George I. Tyson, New York.)  
 315. Salle de la Venus de Milo. (Lent by H. T. Shriver, New York.)  
 316. Sealing the Letter. (Lent by Mr. Henderson, Minneapolis.)  
 317. The Iris Bed. (Lent by Wm. S. Hollingsworth, New York.)  
 318. Early Morning in June. (Lent by Samuel T. Shaw, New York.)  
 319. Winter Fog.  
 320. A Cabbage Garden. (Lent by Mrs. J. A. Hewlett, Brooklyn.)  
 321. Under the Awning. (Lent by Mrs. K. B. Papin, Chicago.)  
 322. A Dream.  
 323. A Breezy Day. (Lent by Thomas B. Clarke, New York.)  
 324. A Corner in a Barnyard. (Lent by Thomas B. Clarke, New York.)  
 Dannat, Wm. T., Paris.  
 325. Spanish Women

Paintings in Oil.

as H., Mystic, Conn.  
ned.  
r Morning.  
New England Coast.  
lley.  
er Evening. (Lent by Thomas  
nan, Washington.)  
New York.  
e d'Hote. (Lent by D. Mt-  
L., Boston.  
en Sea.  
represented by the White  
f the U. S. Navy at anchor in  
or.  
er's Return.  
J., East Hampton, L.I.  
Island Garden.  
(Lent by George G. Til-  
eph, Boston.  
n and Black.  
F., Philadelphia.  
France.  
ckwood, New York.  
e Among the Ruins of Pal-  
F. H., New York.  
gland Coast.  
eon, Paris.  
er's Son.  
in the Meadows.  
Frederick S., New York.  
loquis Cliff, Arizona.  
., New York.  
ing Brave.  
ert, New York.  
P., Paris.  
ermen's Departure.  
rench Peasant Girl's Head.  
9 lent by Meyer Jonasson,  
as Melville, New York.  
ude of Night.  
f the Hay Boats.  
Evans, New York.)  
of the Evening Hour. (Lent  
ans, New York.)  
sh of Day. (Lent by L. A.  
ati.)  
New York.  
Twilight. (Lent by C. L.  
t.)  
an. (Lent by C. L. Freer,

Exhibit  
No.  
356. Lady in Blue. (Lent by C. L. Freer,  
Detroit.)  
357. A Portrait. (Lent by Stanford White,  
358. A Portrait. New York.  
359. Portrait of W. M. Chase. (Lent by  
W. M. Chase, New York.)  
360. The Days. (Lent by Miss A. W. Che-  
ney and Miss Louise Cheney, South Man-  
chester, Conn.)  
Didier, Ida Joy, Allegheny, Pa.  
361. Portrait.  
Dielman, Frederick, New York.  
362. A New York Arab. (Lent by William  
Sample, Louisville.)  
Dillon, Julia, New York.  
363. Peonies.  
Dodson, Sarah P. Ball, Brighton, England.  
364. Saint Thekla.  
365. Honey of the Hymenaeus.  
365a. The Morning Stars.  
Dohn, Pauline A., Chicago.  
366. What the Stork Brought.  
Donoho, G., Ruger, New York.  
367. La Martellerie. (Lent by Arthur R.  
Yorston, New York.)  
368. Explorers. (Lent by J. Hull Brown-  
ing, New York.)  
Dow, Arthur W., Ipswich, Mass.  
369. Marsh Islands.  
Dube, Mrs. Mattie, New York.  
370. Pumpkins and Onions.  
Du Mond, Frank Vincent, New York.  
371. Monastic Life.  
372. Holy Family.  
373. Christ and the Fishermen.  
Du Mond, Fred Melville, Paris.  
374. A Legend of the Desert.  
Dunsmore, John Ward, Detroit.  
375. Mozart.  
Duvall, Fannie E., Los Angeles, Cal.  
376. Chrysanthemum Garden in California.  
377. Study of Onions.  
Duveneck, Frank, Cincinnati.  
378. Portrait of William Adams  
Dvorak, Frant, Chicago.  
379. Mother's Pleasure.  
Eakins, Thomas, Philadelphia.  
380. Mending the Net.  
381. Portrait of Prof. George Barker.  
(Lent by Prof. George Barker, Philadel-  
phia.)  
382. The Writing Master.  
383. Portrait of a Lady. (Lent by Miss  
A. B. Van Buren, Detroit.)  
384. The Sculptor. (Lent by William  
R. O'Donovan, New York.)  
385. Portrait of Dr. Agnew. (Lent by  
University of Pennsylvania.)  
386. The Crucifixion.

Paintings in Oil.  
 NO. 1000-10000

## Exhibit

- No.  
 387. Cowboys at Home Ranch.  
 388. Portrait of William D. Marks. (Lent by William D. Marks, Philadelphia.)  
 389. Portrait of Dr. Gross. (Lent by Jefferson Medical College, Philadelphia.)  
 Eakins, Mrs. Thomas, Philadelphia.  
 390. Reflection. (Lent by W. H. McDowell, Philadelphia.)  
 Eaton, C. Harry.  
 391. Landscape. (Lent by Henry A. Rust, Chicago.)  
 392. Normandy Landscape. (Lent by W. T. Evans, New York.)  
 393. Autumnal. (Water color.) (Lent by J. D. Grant, San Francisco. See No. 1190a.)  
 Eaton, Charles W. New York.  
 394. Woods in Winter.  
 395. October.  
 396. Moonrise.  
 397. On the Maine Coast.  
 Elwell, D. Jerome, Boston.  
 398. Moonrise on Dutch Bay, Holland. (Lent by St. Botolph Club, Boston.)  
 399. Brugel, Belgium.  
 400. The Moorlands, Cape Ann.  
 401. Country of Calmthout, Belgium.  
 Emmet, Lydia Field, New Rochelle, N. Y.  
 402. The Mere.  
 403. Noonday. (Lent by Miss A. W. Phelps, Wilkes Barre, Pa.)  
 Enneking, John J., Boston.  
 404. Salting Sheep.  
 405. October Twilight.  
 406. Autumn Afternoon.  
 407. South Duxbury Clam Digger.  
 408. November.  
 Ertz, Edward, Paris.  
 409. Potato Gatherer.  
 Evans, E., Utah.  
 410. Harvest.  
 Evans, Mrs. M. E., New York.  
 411. September Lane.  
 Evans, Joe, New York.  
 412. The Plainfield Road.  
 413. The Red Gate.  
 Fairchild, Lucia, Boston.  
 414. Portrait of a Boy with a Hat. (Lent by Mrs. C. Fairchild, Boston.)  
 Faxon, Wm. Bailey, New York.  
 415. Lady in Profile.  
 416. Maia.  
 Fisher, Mark, Stockbridge, England.  
 417. A Hampshire Dairy. (Lent by Mr. McCulloch, London.)  
 418. Cattle Crossing a Stream.  
 419. Summer Afternoon.  
 420. A Small Holding.  
 421. Timber Wagon, Normandy.  
 422. Moonrise.

## Exhibit

- No.  
 423. Teste Valley Meadows.  
 424. Sorting the Flock.  
 425. Orchard, Normandy.  
 426. Evening.  
 427. Cows in Orchard (Winter).  
 Fitz, B. R. (Deceased.)  
 428. Reflection. (Lent by W. Evans, New York.)  
 428a. Autumn Showers.  
 Flagg, Charles N., Hartford.  
 429. Mark Twain. (Lent by Samuel L. Clemens, Hartford.)  
 Forsyth, W., Indianapolis.  
 430. Edge of the Woods.  
 431. In the Garden. (Lent by Carl H. Lieber, Indianapolis.)  
 432. Landscape. (Lent by L. Weischenberger, Indianapolis.)  
 Foss, Harriet Campbell, New York.  
 433. A Flower Maker.  
 Foster, Ben, New York.  
 434. First Days of Spring. (Lent by James T. Pettus, New York.)  
 435. The Returning Flock.  
 436. A Maine Hillside. (Lent by James T. Pettus, New York.)  
 437. "In Fontainebleau Forest" (Lent by J. F. Drummond, New York.)  
 Fowler, Frank, New York.  
 438. Portrait. (Lent by Dr. Nestel, New York.)  
 439. Portrait of Walter Shirlaw. (Lent by Walter Shirlaw, New York.)  
 440. Portrait. Girl in Black.  
 441. Portrait. (Lent by H. W. Goodrich, New York.)  
 442. Portrait. Lady in White. (Lent by Mrs. Wm. A. Fowler, Brooklyn.)  
 443. Figure Study for Ceiling, Hotel Waldorf. (1)  
 444. Figure Study for Ceiling, Hotel Waldorf. (2)  
 445. Figure Study for Ceiling, Hotel Waldorf. (3)  
 446. Figure Study for Ceiling, Hotel Waldorf. (4)  
 447. Figure Study for Ceiling, Hotel Waldorf. (5)  
 448. Figure Study for Ceiling, Hotel Waldorf. (6)  
 449. Figure Study for Ceiling, Hotel Waldorf. (7)  
 450. Figure Study for Ceiling, Hotel Waldorf. (8)  
 450a. Figure Study for Waldorf Ceiling. No. 9.  
 450b. Sketch for Ceiling Decoration of Ballroom in Hotel Waldorf, New York.

Paintings in Oil.

B. O., New York.

A., New York.

lish Spring Morning.

ick W., Chicago.

of a Lady in Black. (Lent by

Art Club.)

(Lent by Henry L. Champ

ish. (Lent by James C

ago.)

St. Louis.

rtude, Philadelphia.

of Miss G. E. (Lent by F

idemia.)

beth, Paris.

bles. (Lent by Arthur Booth,

ater's Edge. (Lent by W. H.

's Ferry, N. Y.)

M., Boston.

earsal.

uscript. (Lent by Wm. A.

ch, Conn.)

(Lent by Wm. F. Weld.

e Song. (Lent by Tavern

New York.

the Battery. (Lent by W

w York.)

(Lent by W. M. Chase, New

Mt. Vernon, N. Y.)

arth.

'aris.

ian Chant.

i Brittany.

n Monk.

in, New York.

e Road, Naushon Island.

Detroit Club.)

s.

eed Gatherers.

summer Sea.

i Station at Sandy Hook.

s Padan Aram.

k of Gibraltar. (Lent by

rwence, New York.)

e. (Lent by J. B. Wheeler,

} Lent by Thomas B.

a. } Clarke, New York.

es. (Lent by Mrs. Robt.

ork.)

Giverny, France.

ay—Giverny.

Exhibit

No.

483. A Midsummer Morning—Giverny.

Gill, Rosalie Lorraine, New York.

484. Twilight on St. Ives Bay.

485. Portrait of Miss Inghis.

Gilman, B. F., Philadelphia.

486. Portrait Study.

Goldman, Martha, Pittsburg.

487. Study. Head.

Gottwald, F. C., Cleveland.

488. Sunday on the Docks.

489. Along the Docks.

Graves, Abbott, Boston.

490. Poppies.

Grayson, Clifford P., Philadelphia.

491. A Rainy Day at Penn Avenue. (Lent by

Charles J. Singer, Chicago.)

492. November. (Lent by the Art Club,

Philadelphia.)

493. Idle Hours.

Green, C. A. Brooklyn.

494. Peonies.

Green, Frank Russell.

495. My Sweetheart. (Lent by Thomas B.

Clarke, New York.)

Greene, Lillian, Boston.

496. A Britany Landscape.

Greenwood, Joseph H., Worcester, Mass.

497. Autumn Oak.

Grenet, Edward, Levallois-Perret.

498. Evening Harmony.

499. Grandmother's Return.

500. Forgotten.

501. Portrait Study.

Gross, P. A., Paris.

502. Essegney near Chartres, Vosges.

503. Road to the Spring, Liverdun.

504. A Rainy Day.

Grover, Oliver Demmett, Chicago.

505. Thy Will be Done.

Guthertz, Carl, St. Paul.

506. Light of the Incarnation.

507. Arcessita ab Angelis.

508. Temptation of St. Anthony.

Hale, Ellen Day, Boston.

509. Under the Vine.

510. Bessy.

Hale, Philip, Paris.

511. Old Woman Reading. (Lent by Rev.

E. E. Hale, Roxbury, Mass.)

Hallowell, Maria, West Medford, Mass.

512. Portrait.

513. Portrait. (Lent by Miss A. N. Hal-

lowell, West Medford, Mass.)

Hamilton, E. W. D., Boston.

514. Evening.

515. Landscape.

Hamilton, John McLure, London.

516. The Rt. Hon. W. E. Gladstone at

Downing Street.

## Paintings in Oil.

Exhibit  
No.

517. The Knitting Lesson.  
Hammer, John J., New York.  
518. Spring Flowers.  
Hardie, Robert Gordon, New York.  
519. Portrait of the Artist's Wife.  
Harper, W. St. John, Easthampton, L. I.  
520. Autumn, Easthampton. (Lent by W. T. Evans, New York.)  
Harris, Charles X., New York.  
521. The Mowers. (Lent by Frederick James, New York.)  
Harrison, Alexander, Paris.  
522. In Arcadia.  
523. The Bathers.  
524. Misty Morning.  
525. Marine.  
526. Twilight. (Lent by St. Louis Museum of Fine Arts.)  
526a. The Amateurs.  
Harrison, Birge, Paris.  
527. The Surprise (in the Forest of Compeigne).  
528. The Return of the Mayflower.  
Hartwich, Herman, Munich.  
529. Bleachery in Lombardy.  
Harwood, J. T., Salt Lake City.  
30. Preparing Dinner.  
Hasbrouk, D. F., New York.  
531. A Winter Morning in the Catskills. (Lent by E. W. Gillett, Chicago.)  
Haskell, Ida C., New York.  
532. Mother Love.  
Hassam, Childe, New York.  
533. Autumn Landscape.  
534. On the Way to the Grand Prix.  
535. Midsummer Morning.  
536. Cab Station, Rue Bonaparte, Paris.  
537. Snowy Day on Fifth Avenue.  
538. Indian Summer, Madison Square. (Pastel.)  
Hatfield, J. H., Canton Junction, Mass.  
539. The Doll's Bath.  
540. A Letter from Papa.  
Hayden, Charles H., Boston.  
541. A Quiet Morning, October.  
542. Cattle and Landscape.  
543. Pasture Land, Connecticut.  
Hayden, Edward Parker.  
544. October Sunlight.  
Haynes, C. Coventry.  
545. At your Home.  
545½. Poplars.  
546. Portrait. (Lent by Mrs. F. W. Haynes.)  
Healy, G. P. A., Chicago.  
547. Portrait of Adolphe Thiers. (Lent by Newberry Library, Chicago.)  
Heberer, Charles, St. Louis.  
548. End of November.

Exhibit  
No.

- Helmold, Adele von, Philadelphia.  
549. Marigolds.  
Henry, Edward L., New York.  
550. The County Fair. (Lent by W. F. Havemeyer, New York.)  
551. The Wedding Day. (Lent by Mr. Dickinson, Mt. Holyoke, Mass.)  
Herter, Albert, New York.  
552. Portrait of Mrs. H.  
Hess, Lydia Purdy, Chicago.  
553. Portrait of Miss E. H. (Lent by Miss Ena Hutchison, Mineral Point, Wis.)  
Hetzl, George, Pittsburg.  
554. Wood Scene.  
555. Study from Nature.  
Hill, Roswell S., New York.  
556. Young Girl Reading.  
Hipple, Sarah Levia, Philadelphia.  
557. Sardine Fishing Boats. (Lent by Mrs. F. K. Hipple, Philadelphia.)  
558. The Road to Puteaux. (Lent by Mrs. F. K. Hipple, Philadelphia.)  
Hitchcock, George.  
559. Tulip Culture.  
560. The Scarecrow.  
Hitchcock, Lucius, Paris.  
561. Summer.  
Hodgkins, Belle D., Salem.  
562. Low Tide at Annisquam.  
Holman, Frank, Paris.  
563. Venice.  
564. Young Warrior.  
Holme, Lucy D., Philadelphia.  
565. A Holiday Occupation.  
Homer, Winslow, Scarboro, Maine.  
566. Dressing for the Carnival.  
567. A Great Gale.  
568. Camp Fire.  
569. Eight Bells.  
570. March Wind.  
571. Coast in Winter.  
572. The Two Guides.  
The above seven paintings were lent by Thomas B. Clarke, New York.  
573. Sailors Take Warning (Sunset).  
574. Hound and Hunter.  
575. Lost on the Grand Banks.  
576. The Fog Warning.  
577. Herring Fishing.  
578. Coast in Winter. (Lent by John G. Johnson, Philadelphia.)  
579. Sunlight on the Coast. (Lent by John G. Johnson, Philadelphia.)  
579a. Return from the Hunt. (Lent by Reichard & Co., New York.)  
Horsfall Bruce, Glinston, Iowa.  
580. The Musical Hour.

Paintings in Oil

Thomas, Plymouth Meeting, Pa.  
 ng Home Ties. (Lent by  
 Harrison, Philadelphia, Pa.)  
 ng Home the Bride.  
 Hope was Darkest.  
 am H., Paris.  
 of the Herd.  
 a Bull.  
 g, Karton Hof Meadows, Hol-  
 start to Market, Holland.  
 h M., Boston.  
 Orchard.  
 C., New York.  
 of July Parade. (Lent by  
 er, New York.)  
 Daniel, New York.  
 ldsmith's Daughter.  
 of Hon. Seth Low.  
 of Elliott F. Shepard, Jr.  
 re, Montclair, N. J.  
 n in the Lane.  
 ning.  
 the Shower.  
 clock.  
 Autumn Day.  
 Morning.  
 Lowery Day.  
 ountain Valley.  
 er Afternoon.  
 arshfield.  
 l.  
 e Valley.  
 fourteen paintings were lent  
 B. Clarke, New York.  
 1 June.  
 Boston.  
 of a New England Blacksmith.  
 New York.  
 xteen.  
 of Hubert Herkomer.  
 l, New York.  
 of a Lady.  
 aris.  
 Fishermen.  
 ick, New York.  
 omptu Affair in the Days of  
 ietta L., Columbus, O.  
 terns.  
 , Philadelphia.  
 oe.

- Exhibit**  
**No.**
- Johns, Laura A., New York.  
 618. Apple Trees in Sunlight. (Lent by  
 Mrs. H. C. Johns, Decatur, Ill.)  
 Johnson, Eastman, New York.  
 619. Portrait of Dr. McCosh. (Lent by  
 Alex. Maitland, New York.)  
 620. The Nantucket School of Philosophy.  
 (Lent by E. D. Adams, New York.)  
 621. The Cranberry Harvest, Nantucket  
 Island. (Lent by Auguste Richard, New  
 York.)  
 622. Portrait of a Girl. (Lent by D. I.  
 Einstein, New York.)  
 623. Two Men.  
 624. My Portrait.  
 624a. Life size portrait. (Lent by Archibald  
 Rogers, Hyde Park, New York.)  
 Johnston, Humphreys, Paris.  
 625. Study in a Granada Garden.  
 626. Study of Breton Peasants (Late After-  
 noon).  
 627. Moorish Fountain in the Church of  
 Santa Maria del Alhambra.  
 Jones, Francis C., New York.  
 628. Exchanging Confidences. (Lent by  
 Thomas B. Clarke, New York.)  
 629. On the White Sand Dunes. (Lent by  
 John Gellatly, New York.)  
 630. The Favorite Grandchild.  
 Jones, H. Bolton, New York.  
 631. Spring.  
 632. The Flax Breaker. (Lent by R. J.  
 Menefee, Louisville.)  
 Kappes, Alfred.  
 633. Rent Day. (Lent by Thomas B. Clarke,  
 New York.)  
 634. Tattered and Torn. (Lent by Boston  
 Art Club.)  
 Kavanagh, John, Cleveland.  
 635. Washer-women.  
 Keith, Mrs. Dora Wheeler, New York.  
 636. Portrait of Lawrence Hutton. (Lent  
 by Lawrence Hutton, New York.)  
 Keith, William, San Francisco.  
 637. Autumn Sunset.  
 Keller, Charles F., Munich.  
 638. Canal at Schleissheim, near Munich.  
 Kellogg, Alice D., Chicago.  
 639. Intermezzo.  
 640. The Mother.  
 Kendall, Wm. Sargeant, New York.  
 641. The Glory of Fair Promise.  
 642. Saint Yves, Pray for Us.  
 Ketcham, Susan M., New York.  
 643. Portrait of a Lady.  
 King, James S., Upper Montclair, N. J.  
 644. Evening Glow.  
 Knight, Arthur, Milwaukee.  
 645. Moonrise in Brittany.

## Paintings in Oil.

## Exhibit

- No.  
**Knight, D. Ridgway, Paris.**  
 646. Hailing the Ferry. (Lent by the Pennsylvania Academy of the Fine Arts, Philadelphia.)  
**Koehler, Robert, New York.**  
 647. The Strike.  
 648. The Carpenter's Family.  
 649. At the Cafe.  
**Koopman, August B., New York.**  
 650. Asking a Blessing.  
 651. The Orphan.  
 652. Dreaming of One Afar.  
**Kronberg, Louis, Boston.**  
 653. Behind the Footlights.  
**LaFarge, John, New York.**  
 654. Venetian Guitar Player.  
 655. Visit of Nicodemus to Christ.  
 656. Study of a Boy's Head. (Lent by Edward W. Hooper, Cambridge, Mass.)  
 657. Half of the Wise Men From the East. (Lent by the Museum of Fine Arts, Boston.)  
**Lamb, Ella Condie, New York.**  
 658. The Advent Angel.  
**Lamb, F. M., Houghton, Mass.**  
 659. End of the Trail.  
**Lambert, John, Jr., Philadelphia.**  
 660. Portrait. (Lent by Mrs. Lambert, Philadelphia.)  
 661. A Commissionaire (Public Porter and Messenger).  
 662. Landscape, Midday.  
**Lampert, Emma E., Rochester.**  
 663. Behind the Dunes.  
 664. A Hillside in Picardy.  
**Lathrop, Clara W., Northampton, Mass.**  
 665. At the Flower Market.  
**Lee, Laura, Boston.**  
 666. Retrospection.  
**Leigh, William R., Munich.**  
 667. End of the Play.  
 667½. A New Acquaintance.  
**Loomis, Chester, Englewood, N. J.**  
 668. Memoria.  
 669. Hester.  
**Lorenz, Richard, Milwaukee.**  
 670. Alone.  
**Loring, Francis W., Florence.**  
 671. Great Bridge at Chuggias.  
**Low, Will H., New York.**  
 672. A Portrait. (Lent by W. T. Evans, New York.)  
 673. Love Disarmed. (Lent by Gardiner G. Hubbard, Washington, D. C.)  
 674. A Woodland Glade.  
 675. In An Old Garden. (Lent by Dr. C. B. Kelsey, New York.)

## Exhibit

- No.  
 675½. May Blossoms. (Lent by Smith College, Northampton, Mass.)  
**Lownes, Anna, Philadelphia.**  
 676. The Raven.  
**Lucas, A. P., Paris.**  
 677. Music.  
**Lutz, Lewis C., Cincinnati.**  
 678. Portrait of J. H. Gest. (Lent by Mrs. J. H. Gest.)  
**Lyman, Joseph, New York.**  
 679. Sand Dunes at Annisquam, Mass.  
 680. Early Snow in the Adirondacks.  
**Macomber, M. L., Waverly, Mass.**  
 681. Love Awakening Memory. (Lent by Elizabeth Howell, Boston.)  
 682. The Annunciation. (Lent by D. P. Kimball, Boston.)  
**MacDowell, Elizabeth, Philadelphia.**  
 683. Day Dreams. (Lent by Walter MacDowell, Philadelphia.)  
**MacMonnies, Mary Fairchild, Paris.**  
 684. June Morning. (Lent by St. Louis Museum of Fine Arts.)  
 685. Tea al Fresco.  
**Major, Ernest L., Boston.**  
 686. Youth.  
 687. St. Genevieve.  
 688. Portrait. (Lent by Mrs. S. Clark, Williamstown.)  
**Marr, Carl, Munich.**  
 689. Summer Afternoon. (Lent by Max Hearst, Washington.)  
 690. The Flagellants.  
**Martin, Homer D., New York.**  
 691. Behind the Dunes, Lake Ontario.  
 692. Mussel Gatherers at Villersville, Normandy. (Lent by F. L. Gunther, New York.)  
 693. Old Manor at Cricquebourg. (Lent by Dr. D. L. Stimson, New York.)  
 694. Head: Waters of the Hudson. (Lent by Thomas B. Clarke, New York.)  
**Mathews, Arthur F., San Francisco.**  
 695. Judith.  
**Maynard, George Willoughby, New York.**  
 696. Civilization. (Lent by the National Academy of Design, New York.)  
 697. Portrait of F. D. Millet. (Lent by F. D. Millet, New York.)  
 698. Flora. (Lent by Mrs. K. R. Papp, Chicago.)  
 699. Pomona.  
**Maynard, Guy F., Chicago.**  
 700. Looking Out. (Lent by P. C. Maynard, Chicago.)  
 701. Dutch Interior. (Lent by P. C. Maynard, Chicago.)  
**McComb, R. Lee, Paris.**  
 702. Summer Time.

Paintings in Oil

**M. Evelyn, San Francisco**  
 on, Old San Luis Rey Mission,  
 at Giverny, France.  
 lter, Paris.  
 it of Paris. (Lent by Albert  
 Chicago.)  
 ches.  
 ent One. (Lent by Thomas H. Clark,  
 Ghost Stories. (Lent by Thomas H. Clark,  
 Morgan, Shrub Oak, N. Y.  
 Beach.  
 ie, Florence.  
 i Hot.  
 or the Chase.  
 i, Paris.  
 ion. (Lent by Potter Palmer,  
 non. (Lent by Potter Palmer,  
 ts.  
 vity.  
 f Mrs. H.  
 (Lent by Potter Palmer,  
 Anna Lee, Andover, Hamp-  
 id.  
 ked Out.  
 f Mrs. Benjamin De Koven,  
 Joseph Lee, Philadelphia,  
 New York.  
 Market. (Lent by Potter Palmer,  
 the Village. (Lent by Potter Palmer,  
 Twilight.  
 i, Paris.  
 ows.  
 Giverny.  
 R. (deceased.)  
 H., New York.  
 River, New York.  
 ay on Long Island.  
 ew York.  
 an Corlier, the Trumpeter,  
 onies. (Lent by Mrs. Henry  
 Pittsburg.)  
 elodies. (Lent by D. C. Al-  
 Pigeon. (Lent by H. McK.  
 New York.)  
 et Duet. (Lent by Mrs. C.  
 New York.)  
 (Lent by Union League  
 Sandal. (Lent by Thomas  
 New York.)  
 ow, Seat. (Lent by Chas-  
 on, Y.

**Exhibit**  
**No.**  
**Minor, Robert C., New York.**  
 735. Autumn.  
 736. Evening.  
 737. The Close of Day. (Lent by W. E. Evans, New York.)  
**Moeller, Louis.**  
 738. Stubborn.  
 739. Searching.  
**Moore, H. Humphrey, Paris.**  
 740. Japanese.  
**Moran, P. See 1153.**  
**Moran, Thomas. See 1153.**  
**Moran, Edward, New York.**  
 741. The White Squall.  
 lute to Commodore John Ericsson.  
 742. The First Ship Entering New York Harbor.  
 743. Life Saving Patrol, New Jersey Coast. (Lent by Amédée Furgis, New York.)  
 744. Melodies of the Sea. (Lent by Mrs. Martha E. French, Chicago.)  
**Moran, Leon, New York.**  
 744. Back from the Postoffice.  
**Morris, Jennie H., Morristown, N. J.**  
 745. A Corner in a Turkish Bazaar.  
 746. Still Life.  
**Mowbray, H. Siddons, New York.**  
 747. Rose Harvest. (Lent by W. T. Hildman, New York.)  
 748. Arcadia. (Lent by W. T. Hildman, New York.)  
 749. Scheherazade. (Arabian Nights.) (Lent by Thomas B. Clarke, New York.)  
 750. The Evening Breeze. (Lent by Thomas B. Clarke, New York.)  
**Muhrman, Henry, London.**  
 751. The Two Trees.  
**Munger, Gilbert, Paris.**  
 752. The Rising Moon.  
**Munsell, Albert H., Boston.**  
 753. The Sea.  
 754. Danger Ahead.  
 755. Beacon Hill in Winter.  
**Murphy, J. Francis, New York.**  
 756. November Grays.  
 757. The Hazy Morn.  
**Needham, Charles Austin, New York.**  
 758. Near Factory Hollow, Turner's Falls, Massachusetts.  
 759. Mott Haven, Canal, New York City.  
 760. Street in New York City.  
**Nehlig, Victor.**  
 761. Poca Mont.  
**Nettleton, Walter, Finistere, France.**  
 762. Approach of Harvest Time.  
 763. December Sunshine.  
 764. Watching for the Return of the Fishing Fleet.  
 765. Teasel Gatherer.

## Paintings—Continued.

Exhibit  
No.

766. Left in Charge of the Farmyard.  
 767. A Dark Interior.  
 Newcomb, Mrs. Marie Guise, New York.  
 768. Sheep in the Clearing.  
 Newman, Carl, Philadelphia.  
 769. A Study. (Lent by Chas. M. Chabot.)  
 Nicoll, J. C., New York.  
 770. Sunlight on the Sea.  
 771. Will it Rain To-morrow?  
 Niles, Edward Glover, Boston.  
 772. Portrait.  
 Norcross, Eleanor, Paris.  
 773. In My Studio. (Lent by A. Norcross.)  
 Norton, S. Mary, Boston.  
 774. In the Locomotive Cab.  
 775. A Tea Party.  
 Norton, William E., London.  
 776. Moonlight on the River. (Lent by  
 Williams & Everett, Boston.)  
 777. Return of the Herring Fleet, Holland.  
 778. A Moment's Rest.  
 779. Off the Dutch Coast.  
 780. Mid Channel.  
 Nourse, Elisabeth, Paris.  
 781. The Reader.  
 782. Good Friday, Rome.  
 783. A Family Meal.  
 Nowotny, Vincent, Cincinnati.  
 783a. Landscape near Munich.  
 Ockman, Leonard, New York.  
 784. Night.  
 785. Harvesting by Moonlight. (Lent by  
 Frederick Benedict, New York.)  
 786. Along the Mianus River.  
 Palmer, Walter L., Albany.  
 787. Autumn Morning Mist Clearing Away.  
 (Lent by John G. Myers, Albany.)  
 788. An Early Snow. (Lent by F. D. Hartt,  
 New York.)  
 789. January. (Lent by Thomas B. Clarke,  
 New York.)  
 Pape, Frederic L. M., Paris.  
 790. Site of Ancient Memphis.  
 Parrish, Stephen, Philadelphia.  
 791. A Mountain Road.  
 792. An Orchard.  
 793. Winter Sunset, Cape Cod.  
 794. Winter in New Hampshire.  
 795. Evening.  
 Parshall, DeWitt, Paris.  
 796. The Cliffs of Ayerne.  
 Parsons, Orrin Sheldon, New York.  
 797. Tennis.  
 798. Lady in Black. (Lent by J. L. M.  
 Hunt, New York.)  
 Parton, Arthur, New York.  
 799. Evening After the Rain. (Lent by  
 George I. Seney.)

Exhibit  
No.

800. In the Month of May. (Lent by W.  
 T. Evans, New York.)  
 Pattison, James W., Jacksonville, Ill.  
 801. Sheep.  
 Pauli, Richard (deceased).  
 802. Sunset in New Jersey. (Lent by Mrs.  
 Pauli, Leonia, N. J.)  
 Paulus, Francis P., Munich.  
 803. A Rainy Day.  
 Paxton, Wm. M., Boston.  
 804. An Idyl.  
 Pearce, Charles Sprague, Auvers Sur Oise,  
 France.  
 805. Mother and Child. (Lent by H. A.  
 Lewis Emery, jr., Bradford, Pa.)  
 806. The Annunciation.  
 807. The Shepherdess.  
 808. A Village Funeral (Brittany).  
 809. Portrait of Mrs. P.  
 810. Portrait of Mrs. P.  
 Peck, Orrin, Arcis Strasse, Munich.  
 811. Love's Token. (Lent by Mrs. P. A.  
 Hearst, Washington.)  
 811a. Portrait of Mrs. H.  
 811b. Blessing the Flowers.  
 Peixotto, George D., Madrid, Paris.  
 812. Portrait of a Child. (Lent by Sen-  
 ator J. P. Jones, California.)  
 Penfold, Frank C., Buffalo.  
 813. Herring Season, Pas de Calais.  
 Perata, S. B. de, Boston.  
 814. Among the Lilies.  
 Perry, Lilla C., Boston.  
 815. Portrait of a Child. (Lent by Roger  
 Wolcott, Boston.)  
 816. Portrait of Alice.  
 817. Child in a Window.  
 818. Child with Violoncello. (Lent by Miss  
 A. Jones, New Bedford, Mass.)  
 819. Little Angèle.  
 820. Reflection.  
 821. An Open Air Concert.  
 Perry, Roland Hinton, Paris.  
 822. Portrait of Mrs. Perry.  
 Peters, Clinton, Paris.  
 823. Portrait of Dr. George J. Bull. (Lent  
 by Dr. George J. Bull, Paris.)  
 824. Portrait of Mlle. N. C.  
 Peyraud, F. C., Chicago.  
 825. Evening.  
 826. Autumn Morning.  
 Phelps, Helen Watson, New York.  
 827. Abandon.  
 Picknell, William L., New York.  
 828. Sunday Morning.  
 828a. Early Morning.  
 829. The Road to Concarneau. (Lent by  
 Thomas B. Clarke, New York.)

## Paintings in Oil:

ge of Winter. (Lent by F. A. New York.)

les F., Boston.

England Pasture. (Water 1892a.)

s A., New York.

Landscape. (Lent by Francis New York.)

pring.

Philadelphia.

dge.

ght of the Nativity.

Ambrose, Boston.

h G.

(Lent by Elizabeth R. ston.)

Winthrop, Paris.

t at Grea. (Lent by T. J. fanistee, Mich.)

of Mrs. Reynolds. (Lent by ell.)

Willard, New York.

hway, Brittany.

utters, Brittany.

A., New York.

Waves and Sunshine Meet.

a Summer Day. (Lent by Art Academy, Buffalo, N. Y.)

New York.

Saint Angela d'Angant.

l Flower.

of Little Miss '8. (Lent by Stevens, New York.)

t Born.

s., New York.

the Absent.

Ashore.

J., New York.

pe, Evening Clouds.

uel, Denver.

Hours. (Lent by David yton, Ohio.)

r of Prayer. (Lent by Mrs. Denver.)

liam T., Newport.

. (Lent by Edward H. idelphia.)

an's Gray and Melancholy ent by Edward H. Coates.

.)

. H., Boston.

Widow at Prayer.

ee, Paris.

ait.

er's Portrait.

ie Looking Glass.

Exhibit

No.

Robbins, Richard, Chicago.

860. Decorative Panel.

Robinson, Theodore, New York.

861. The Layette.

862. Winter Landscape. (Lent by J. M. Lichtenauer, New York.)

863. Roman Fountain.

Rolschoven, Julius, Paris.

864. A Spanish Dancer.

865. Hall in a Doge's Palace, Venice.

866. Two Types, Sotto Marina, near Venice. (Pastel.) (See also -----.)

Rook, Edward F., Paris.

867. Moonrise (Normandy).

Rose, Guy, New York.

868. The End of the Day.

869. Potato Gatherers.

870. Food for the Laborers.

Rosenthal, Toby, Munich.

871. A Dancing Lesson of Our Grandmothers. (Lent by G. Mannheim, New York.)

Rudell, P. E., Greenwien, Conn.

872. A November Day.

873. Autumn.

Ryder, Henry Orme, Auburndale, Mass.

874. Old Breton Farmhouse. (Evening).

Sargent, John S., London.

875. Mother and Child. (Lent by Edward Davis, Boston.)

876. Portrait of Ellen Terry as Lady Macbeth. (Lent by Henry Irving, London.)

877. Portrait.

878. Study of an Egyptian Girl.

879. Portrait of Mrs. Inches. (Lent by Dr. C. E. Inches, Boston.)

880. Portrait. (Lent by F. S. Pratt, Worcester, Mass.)

881. Portrait. (Lent by Augustus St. Gaudens, New York.)

882. Portrait. (Lent by Mr. Dunham, New York.)

883. Portrait. (Lent by E. F. Shepard, New York.)

Sartain, Emily, Philadelphia.

884. Marie.

Sartain, Wm., New York.

885. Sand Dunes at Manasquan.

886. Nubian Sheik.

Schilling, Alexander, New York.

887. A Day in Spring. (Lent by Alexis Ludwig, Leonia, N. J.)

888. Landscape. (Lent by A. Ludwig, Leonia, N. J.)

Schwill, William V., Munich.

889. The Closing Hymn.

Scott, Frank Edwin, Paris.

890. Parisian Street Scene.

## Paintings in Oil.

## Exhibit

- No.  
 Scott, Jeannette, Paris.  
 891. Hollyhocks.  
 Senat, Prosper L., Philadelphia.  
 892. On the Nile near Beni Hassan.  
 893. In the Gulf of Ajaccio.  
 Sewell, Mrs. Amanda Brewster, New York.  
 894. Pleasures of the Past.  
 895. Sappho.  
 896. Portrait of Mrs. Boudinot Keith.  
 (Lent by Mrs. J. M. Wheeler, New York.)  
 897. Washing Place in the Gatinais.  
 898. Portrait of Mother and Son.  
 899. A Sylvan Festival.  
 900. By the River.  
 Sewell, Robert, V. V., New York.  
 901. Diana Hunting.  
 902. Boys Bathing.  
 903. Winter.  
 904. In Shanty Town.  
 905. Sea Urchins.  
 Sharp, J. H., Cincinnati.  
 906. Going to the Race.  
 Shepley, Annie B., New York.  
 907. The Wonderful Story.  
 Sheppard, Warren, Brooklyn.  
 908. The Restless Sea. (Lent by T. S. Fasset, Tonawanda, N. Y.)  
 Shields, Thomas W., Brooklyn.  
 909. Cavalier, Time of Louis XIII.  
 Shirlaw, Walter, New York.  
 910. Toning the Bell. (Lent by J. H. Willing, Chicago.)  
 911. Sheep Shearing in the Bavarian Highlands.  
 912. Rufina. (Lent by Century Association, New York.)  
 Shurtleff, R. M., New York.  
 913. Looking East at Sunset.  
 914. In Autumn Woods.  
 915. Autumn Forest. (Lent by W. T. Evans, New York.)  
 Simmons, Edward E., New York.  
 916. Early Moonlight upon Bay St. Ives.  
 917. Darby and Joan.  
 918. The Carpenter's Son. (Lent by Miss Amelia C. Jones, New Bedford, Mass.)  
 Singer, Winaretta, Paris.  
 919. Spring Study.  
 Slade, Emily, New York.  
 920. Portrait of Miss C. C. C.  
 Smedley, W. T., New York.  
 921. Embarrassment. (Lent by Thomas B. Clarke, New York.)  
 Smilie, George H., New York.  
 922. Mill Pond at Ridgefield, Conn. (Lent by John S. White, New York.)  
 923. A Lush Place. (Lent by Washington Wilson, New York.)  
 924. From West Mountain, Conn.

## Exhibit

- No.  
 Smith, De Cost, New York.  
 924. Sioux Lovers. (Lent by E. R. Smith, New York.)  
 925. Driven Back.  
 Smith, E. Boyd, Auvers sur Oise, France.  
 926. Return from the Fields.  
 Smith, Frank Eugene, Munich.  
 927. Portrait of My Brother. (Lent by F. L. Smith, New York.)  
 Smith, Henry P., New York.  
 928. Landscape at Waterford, Conn.  
 929. Old Oaks at Waterford. (Lent by Latham A. Fish, Brooklyn.)  
 Smith, J. Francis, St. Louis.  
 930. Young Girl of Feuillee.  
 Sonntag, Wm. L., New York.  
 931. Mt. Jefferson and Mt. Adams, White Mountains, N. H.  
 Steele, T. C., Indianapolis.  
 932. On the Muscatuck.  
 933. September.  
 Stephens, Alice Barber, Philadelphia.  
 934. Rainy Day Effect in Philadelphia.  
 935. Harvesting on the Meadow.  
 Stewart, Jules L., Paris.  
 936. Baptism.  
 937. On the Yacht Namouna, Venice, 1890. (Lent by Mrs. Henry P. Borie, Philadelphia.)  
 938. Venice. (Lent by James Bennett, Paris.)  
 939. Portrait of the Viscountess de Gouy d'Arcy. (Lent by the Viscountess de Gouy d'Arcy, Paris.)  
 940. Portrait of the Baroness Benoist-Mechin. (Lent by the Baron Benoist-Mechin, Paris.)  
 941. The Hunt Ball. (Lent by Essex Club, Newark.)  
 Stokes, F. W., Philadelphia.  
 942. The Orphans.  
 Story, Julian, Paris.  
 943. Mlle. De Sombreuil. (Episode of the French Revolution.)  
 944. Portrait of My Father.  
 945. Portrait of Mme. Eames Story.  
 Strickler, John R., Brooklyn.  
 946. Interrupted.  
 Stone, J. M., Boston.  
 947. Larkspur.  
 948. A Summer Dream.  
 Sword, J. B., Philadelphia.  
 949. Off the Scene.  
 Taggart, George, Watertown, N. Y.  
 950. Portrait.  
 Tarbell, Edmund C., Boston.  
 951. Girl and Horse.  
 952. In the Orchard.  
 953. My Sister Lydia. (Lent by Miss Lydia Southern, Dorchester, Mass.)

Paintings in Oil.

ott Hi, Scarboro, N. Y. (Lent by J. M. on.)  
 of a Lady. (Lent by Miss C. V. New York.)  
 and Sister. (Lent by A. A. on.)  
 . Paris.  
 Girl Spinning (Bistre).  
 b Goat-herd.  
 of the Alm Milie.  
 for Supper.  
 the Oasis of Briskra.  
 cymon, Paris.  
 cent Victim.  
 Jordsworth, New York.  
 orted Inn.  
 Sweet Summer Time. (Lent by H. Babcock, Plainfield, N. J.)  
 ary, Philadelphia.  
 ous Bit.  
 l. (Lent by Miss Moss, Phil-  
 . (Lent by Mrs. E. A. ew York.)  
 (Decorative study in nepl  
 mplimentary colors.)  
 y Prospect. (Lent by How-  
 k, Philadelphia.)  
 —Soup. (Lent by Caleb  
 iladelphia.)  
 ces Hunt, New York.  
 arnations.  
 of a Lady.  
 C., New York.  
 at Nuremberg.  
 Market at Wurtzberg. (Lent  
 Howells, New York.)  
 o, New York.  
 7, Boston.  
 her.  
 ementina M. G., New York.  
 ner in A.  
 H., Boston.  
 and Child. (Lent by Bos-  
 iday.  
 L., Albany.  
 L., Hempstead, L. I.  
 Field Trails, 1891. (Lent  
 er, New York.)  
 n T., North Wales, Pa.  
 suit. (Lent by J. B. Wheeler,  
 K., New York.  
 ht.

Exhibit  
No.

Truesdell, Gaylord St. Paris.  
 984a. Cows on the River Bank.  
 984b. The Shepherd's Lunch.  
 Tryon, D. W., New York.  
 985. Autumn. (Lent by C. L. Freer,  
 Detroit.)  
 986. Sunset at Sea. (Lent by C. L. Freer,  
 Detroit.)  
 987. Rising Moon, Autumn. (Lent by  
 C. L. Freer, Detroit.)  
 988. Springtime. (Lent by C. L. Freer,  
 Detroit.)  
 989. Morning. (Lent by John Newell,  
 Chicago.)  
 990. Starlight. (Lent by Thomas B. Clarke,  
 New York.)  
 991. Night. (Lent by Thomas B. Clarke,  
 New York.)  
 992. October. (Lent by Thomas B. Clarke,  
 New York.)  
 993. Winter Evening. (Lent by Thomas  
 B. Clarke, New York.)  
 994. New England Village: Evening.  
 (Lent by Thomas B. Clarke, New York.)  
 995. The Rising Moon. (Lent by Charles  
 L. Freer, Detroit.)  
 996. A Winter Afternoon.  
 997. December—A Salt Marsh.  
 997a. Daybreak, New Bedford Harbor.  
 (Lent by W. T. Evans, New York.)  
 Turner, G. W., New York.  
 998. The Coppersmith.  
 999. John Alden's Letter.  
 1000. The Days That Are No More.  
 1001. Saw Wood and Say Nothing.  
 1002. Pride of the Farm.  
 1003. Washing Day.  
 1004. The Grand Canal, Dordrecht. (Lent  
 by John Taylor Johnston, New York.)  
 1005. Courtship of Miles Standish. (Lent  
 by Henry C. Howells, Flushing, L. I.)  
 1006. Afternoon Tea. (Lent by Chester W.  
 Chapin, New York.)  
 1007. Gossips. (Lent by Thomas B. Clarke,  
 New York.)  
 1008. On the Beach at Easthampton.  
 (Lent by W. M. Chase, New York.)  
 Turner, Ross, Salem, Mass.  
 1009. Moonlight.  
 Twachtman, J. H., Greenwich, Conn.  
 1010. Autumn Shadows.  
 1011. Winter.  
 1012. Brook in Winter.  
 1013. The Brooklyn Bridge. (Lent by  
 Chas. Scribner's Sons, New York.)  
 1014. Decorative Landscape.  
 Tyler, Bayard H., New York.  
 1015. Waiting.

## Paintings in Oil.

Exhibit  
No.

- Tyler, James G., New York.**  
 1016. Norman's Woe. (Lent by J. M. Jones, New York.)  
**Ulrich, Chas. F., Munich.**  
 1017. An Italian Idyl.  
 1018. In the Land of Promise. (Lent by W. T. Evans, New York.)  
 1019. Glass Blowers. (Lent by Thomas B. Clarke, New York.)  
**Vail, Eugene L., Paris.**  
 1020. On the Thames.  
 1020a. Dordrecht.  
**Van Boskerck, Robt. W., New York.**  
 1021. A Rhode Island River.  
 1022. The Hackensack Meadows.  
 1023. Sand Road from the Sea. (Lent by H. R. C. Watson, New York.)  
**Van Briggie, A., Cincinnati.**  
 1024. Portrait of Mrs. Charity Van Briggie.  
**Vanderpoel, J. H., Chicago.**  
 1025. Summer Morning in the Orchard.  
 1026. Portrait of a Lady. (Lent by J. B. Humphreys, Tracy, Cook Co., Ill.)  
 1027. Twilight Reverie.  
 1028. Blessed are They that Mourn.  
 1029. Weary. (Lent by C. L. Hutchinson, Chicago.)  
**Van der Weyden, Harry, Paris.**  
 1030. Katwijk Herring Boats.  
**Van Elten, Kru. eman, New York.**  
 1031. Late Autumn.  
**Van Gorder, L. E., New York.**  
 1032. The Mall Terrace, Central Park.  
**Vedder, Simon Harmon, Paris.**  
 1033. Head of a Young Girl.  
 1034. Indian Head.  
**Vedder, Elihu, Rome.**  
 1035. Delilah. (Lent by Col. J. G. Moore, New York.)  
 1036. Samson. (Lent by Col. J. G. Moore, New York.)  
 1037. Morning. (Lent by J. B. Wheeler, New York.)  
 1038. A Venetian Model. (Lent by Davis Johnson, New York.)  
 1039. The Cup of Love. (Lent by Mrs. A. F. Rondebush, New York.)  
 1040. The Young Marsyas. (Lent by Mrs. A. F. Rondebush, New York.)  
 1041. A Soul in Bondage. (Lent by Mrs. A. F. Rondebush, New York.)  
 1042. In the Lair of the Sea Serpent. (Lent by the Museum of Fine Arts, Boston.)  
 1043. The Roc's Egg. (Lent by Martin Brimmer, Boston.)  
 1044. The Fisherman and the Genie. (Lent by Martin Brimmer, Boston.)

Exhibit  
No.

- 1044a. Sorrowing Soul, between Death and Faith. (Lent by W. George Webb, Salem, Mass.)  
**Vezin, Fred, Munich.**  
 1045. Dogs.  
 1046. Boys in a Boat.  
**Vincent, H. A., Chicago.**  
 1047. Fields in October.  
**Vinton, Frederick P., Boston.**  
 1048. Portrait of a Lady.  
 1049. Portrait of Augustus Flagg. (Lent by Augustus Flagg, Boston.)  
 1050. Portrait of Theodore Chase. (Lent by Theodore Chase, Boston.)  
 1051. Portrait of C. C. Langdell. (Lent by Harvard College, Cambridge, Mass.)  
**Volk, Douglas, Minneapolis.**  
 1052. Mending the Canoe.  
 1053. Portrait of Madam X.  
 1054. Puritan Girl. (Lent by Thomas B. Clarke, New York.)  
**Vonnoh, Robert W., Philadelphia.**  
 1055. Bad News.  
 1056. Early Morning.  
 1057. November.  
 1058. Viola.  
 1059. Moist Weather.  
 1060. Portrait of Dr. J. M. DaCosta. (Lent by Jefferson College, Philadelphia.)  
 1061. Blanche.  
 1062. Duxbury Bay.  
 1063. Riva degli Schiavoni.  
 1064. A Dull Day.  
 1065. "Now, Behave Pretty."  
 1066. Studio Comrade. (Lent by Pennsylvania Academy of the Fine Arts.)  
 1066a. A Peasant Woman's Garden.  
**Wade, Caroline D., Chicago.**  
 1067. Portrait of a Lady.  
**Wagner, Jacob, Boston.**  
 1068. Over all the Trees is Rest.  
 1069. A Bit of a Lark.  
**Walden, Lionel, Paris.**  
 1070. Boulogne Fishing Boats.  
 1070a. Fog on the Thames.  
**Walker, Henry O., New York.**  
 1071. Hagar and Ishmael.  
 1072. Boy on the Donkey. (Lent by Mrs. S. D. Warren, Boston.)  
 1073. The Gift Bearer. (Lent by Miss E. H. Bartol, Boston.)  
**Walker, Horatio, New York.**  
 1074. A Stable Interior.  
**Walkley, D. B., Pittsburgh.**  
 1075. The Potter. (Lent by W. A. Shaw, Sharpsburg, Pa.)  
**Wall, A. Bryan, Pittsburgh.**  
 1076. Across the Meadow.

## Paintings in Oil

Omaha.  
James W. Scott. (Lent  
s Club.)  
Philadelphia.  
d Ishmael. (Lent by  
cademy of the Fine Arts.)  
incinnati.  
ground Railroad. (Lent by  
dock, St. Louis.)  
Philadelphia.  
um near Dingman's Ferry.  
rd, Paris.  
Voyage: A Souvenir of  
gars of Cordova. (Lent  
a Academy of the Fine  
ia.)  
ree Dealers.  
ombay.  
rt at Agra.  
Studio.  
ew York.  
d.  
free.  
Student.  
Book.  
Webb Weir.  
w Haven.  
Admiral Farragut. (Lent  
ub, New York.)  
Shaft.  
it by J.R. Ball, New York.)  
a E., New York.  
uf, Munich.  
lle. Hausen. (Lent by  
unswick.)  
il, Paris.  
with the Yellow Bustin.  
ler Reid, Glasgow.)  
s of the Land of Porce-  
lexander Reid, Glasgow.)  
cket. (Lent by Alexan-  
w.)  
lparaiso. (Lent by Hon.  
Day, London.)  
Blue and Silver. (Lent  
London.)  
nt by A. J. Cassatt, Phil-  
Hartford.  
scape.  
Camden, N. J.  
February.  
in, Baltimore.  
al Hills.

Exhibit  
No.  
1108. Lowland Pastures. (Lent by W.  
Whitman, Sarah W., Boston.)  
1109. Niagara.  
1110. Portrait of Oliver Wendell Holmes.  
(Lent by College of Physicians, Phila-  
delphia.)  
Whittemore, William J., New York.  
1112. Autumn Sunshine.  
Whittredge, W., New York.  
1113. Rhode Island Coast.  
1114. The Plains. (Lent by the Century  
Club, New York.)  
1115. The Old Hunting Ground. (Lent by  
J. W. Pinchot, New York.)  
Wickenden, Robert J., Paris.  
1116. Whispering of Spring.  
Wigand, Albright, Mt. Vernon, N.Y.  
1117. Portrait of Mrs. J. Albright.  
Wigand, Otto C., Mt. Vernon, N.Y.  
1118. The Old Willow Tree.  
Wiggins, Carlton, New York.  
1119. Clouds and Sunshine. (Lent by Chas.  
E. Dingee, Brooklyn.)  
1120. Midsummer. (Lent by John F. Din-  
gee, Brooklyn.)  
1121. Evening. Village of Grez. (Lent by  
Mrs. Charles M. Kurtz, New York.)  
Wiles, Irving R., New York.  
1122. Sunlight in the Studio. (Lent by  
Charles D. Miller, Jersey City.)  
1123. Portrait.  
1124. Sunshine and Flowers.  
1125. The Sonata. (Lent by W. T. Evans,  
New York.)  
1126. Lady in Green.  
1127. A Girl in Black. (Lent by W. M.  
Chase, New York.)  
Wiles, L. M., New York.  
1128. The Old Quarry.  
Witt, J. H., New York.  
1129. The Celestial Choir.  
Woodbury, Charles Herbert, Boston.  
1130. North Sea Dunes.  
1131. The Tide River.  
Woodward, William, New Orleans.  
1132. Persimmons.  
Woodwell, Johanna K., Pittsburg.  
1133. Study Head of a Young Lady.  
Woodwell, Joseph R., Pittsburg.  
1134. White Rocks, Magnolia, Mass.  
1135. A Rocky Coast, Magnolia, Mass.  
1136. Cobblestone Beach, Magnolia, Mass.  
1137. Rocks at Low Tide, Magnolia, Mass.  
Woolfolk, E. Marshall, Paris.  
1138. Washerwomen, Nemours, France.  
Wuerpel, Edward H., Paris.  
1139. September Twilight. (Lent by Wm.  
Taussig, St. Louis.)

## Paintings in Oil and Water Colors.

## Exhibit

No.

Wyant, A. H. (deceased)

1140. A North Woods Brook. (Lent by Thomas B. Clarke, New York)

1141. Landscape. (Lent by Thomas B. Clarke, New York)

1142. Sunset in the Woods. (Lent by J. M. Lichtenauer, New York)

1143. In the Adirondacks. (Lent by W. T. Evans, New York)

1144. Sunset. (Lent by Fred B. Pratt, Brooklyn)

1145. Forenoon in the Adirondacks

1146. In the Woods

1147. An October Day

1148. Clearing Off

1149. Evening. (Nos. 1145-1149, lent by Mrs. A. L. Wyant, New York)

Young, Charles Morris, Gettysburg, Pa.

1150. Wet Weather

1151. The Harvest of Death (Wheatfield at Gettysburg)

Moran, Thom., New York

1152. Grand Canon of the Yellowstone

1153. Icebergs in Mid-Ocean

Moran, Peter, Philadelphia

1153½. Down the Arroyo to Santa Fe.

For other paintings in oil, see Group 146,

beginning with No. 800a

## GROUP 141.

## Paintings in Water Colors.

In Gallery 2, and in Upper Gallery Above

176, 177.

Abbey, El A., Fairfield, Gloucestershire, England.

1154. Measure for Measure. (Lent by Henry G. Marquand, New York)

Allen, Thomas, Boston

1155. Portal of Ruined Mission, San Jose, Texas

1156. Pasture by the Sea

1157. Changing Pasture, Dartmoor.

Baker, J. Elder, New York

1158. Chrysanthemums

Bellows, A. F. (deceased)

1159. Sunday Afternoon in New England. (Lent by J. H. Willing, Chicago)

Birney, William Verplanck, New York

1160. Backyard Pets

Blaney, Dwight, Boston

1161. The Temple of Neptune, Paestum, Italy

Blashfield, Edwin H., New York

1162. The Duo. (Lent by Mrs. John H. Sherwood, New York)

Bradbury, M. R., New York

1163. Santa Maria Salute, Venice.

## Exhibit

No.

Bradley, Horace, New York

1164. A Glimpse of Chase's Studio

Bradley, Susan H., Philadelphia

1165. Mount Menadabek, New Hampshire. (Lent by Miss Sears, Boston)

Bredin, Christine S., Cincinnati

1166. A Peasant Woman, Dachen, Bavaria

Brent, Hugo, Providence

1167. Twins

Bricher, A. T., New York

1168. A Summer Morning

Bridges, Fidelia, Kansas, Conn.

1169. An Old Orchard

Brooks, A. F., Chicago

1170. Boys Fishing

Brown, J. G., New York

1171. A Wall Flower

Cabot, Edward C., Brookline

1172. Wind-swept Beeches, Maunabo Island. (Lent by Mrs. Charles Perkins)

Carter, Fernando A., Syracuse, N. Y.

1173. Dutch Boats at Rotterdam

Castello, Eugene, Philadelphia

1174. Gate of Justice, Cairo

Cauldwell, Leslie, Paris

1175. Twilight

Chapman, Carlton T., New York

1176. Toilers of the Sea

Church, F. S., New York

1177. Pandora. (Lent by W. T. Evans, New York)

Clausmann, William, Chicago

1178. A Wood Interior, Wisconsin

Coffin, Esther L., New York

1179. Grapes

1180. Madison Square Tower at Night

Colman, Samuel, Newport

1181. Ruins of a Mosque, Morocco

1182. Mosque at Tlemcen, Algeria

1183. At the Fountain

Conant, Lucy S., Boston

1184. Nasturtiums

Crum, Clark

1185. Sympathy. (Lent by J. M. Sears, Boston)

Curran, C. C., New York

1186. Cupid Asleep

1186a. Night. (Lent by W. T. Evans, New York)

Daingerfield, Elliott, New York

1187. Woman with Pumpkin

Dana, Charles E., Philadelphia

1188. Gruyère. (Lent by Chas. H. Shattuck, Philadelphia)

1189. The Farm of Ambou, Estérel, Mandy

1190. Street in Murat, Switzerland

1191. A Doorway in Arles, South of France

## Paintings in Water Colors

- Exhibits  
No. 1229. A Summer Afternoon, New England.  
1230. The Mountains of Colorado, New England.  
1231. Northern Africa.  
1232. Salt Works of Bass, France.  
1233. Greater, Kathleen H., Paris.  
1234. Carnival, Emma E., Rochester.  
1235. Corner of the Street, Palace, France.  
1236. Guelph, Jules, Chicago.  
1237. Early Morning in a Village Street, Kentucky. (Lent by George Middleton, Chicago.)  
1238. Hallett, Hendricks A., Boston.  
1239. Winter Moonlight, F. H. C. Lunt, New York.  
1240. Hammer, John J., New York.  
1241. In the Dry Docks, H. Hardwick, Melrose, Mass., Boston.  
1242. Looking Inland, Mary A. Brooklyn.  
1243. Pansies, George W. New York.  
1244. Hartson, Walter C., Chicago.  
1245. Old Willows at Glendale, C. J. New York.  
1246. Outskirts of the City, C. J. New York.  
1247. Along the Baraboo River, Hassam, Childs, New York.  
1248. Montmartre, C. J. New York.  
1249. Springtime in the City, C. J. New York.  
1250. Indian Summer, Madison Square, New York.  
1251. Fifth Avenue, C. J. New York.  
1252. The Rain, Charles A. Washington.  
1253. Helms, Howard, Washington.  
1254. Portrait. (Lent by Mrs. Stoddard, Washington.)  
1255. Henry, Edward L., New York.  
1256. Before the Days of Rapid Transit, (Lent by Shephard Knapp, New York.)  
1257. Herter, Albert, New York.  
1258. The Great Mystery, Minor, Robert C., New York.  
1259. Holman, Frank, Paris.  
1260. A Sun Effect, Edward, New York.  
1261. Melody, Edward, New York.  
1262. The Great Mystery, Minor, Robert C., New York.  
1263. Jones, Annie M., Chicago.  
1264. Easter Lilies, Charles, New York.  
1265. Jones, Francis G., New York.  
1266. Waiting, R. H. New York.  
1267. Jones, H. Bolton, New York.  
1268. Winter, H. Bolton, New York.  
1269. Early Snow. (Lent by Walter, New York.)  
1270. Winter. (Lent by J. C. Nicoll, New York.)  
1271. Joseph, I. A., New York.  
1272. Midnight. (See also 1273.)  
1273. Kappes, Alfred, Van Cortlandt, New York.  
1274. Apple Pie, Keller, Arthur J., New York.  
1275. Keller, Arthur J., New York.  
1276. A Study of a

- Exhibits  
No. 1229. A Summer Afternoon, New England.  
1230. The Mountains of Colorado, New England.  
1231. Northern Africa.  
1232. Salt Works of Bass, France.  
1233. Greater, Kathleen H., Paris.  
1234. Carnival, Emma E., Rochester.  
1235. Corner of the Street, Palace, France.  
1236. Guelph, Jules, Chicago.  
1237. Early Morning in a Village Street, Kentucky. (Lent by George Middleton, Chicago.)  
1238. Hallett, Hendricks A., Boston.  
1239. Winter Moonlight, F. H. C. Lunt, New York.  
1240. Hammer, John J., New York.  
1241. In the Dry Docks, H. Hardwick, Melrose, Mass., Boston.  
1242. Looking Inland, Mary A. Brooklyn.  
1243. Pansies, George W. New York.  
1244. Hartson, Walter C., Chicago.  
1245. Old Willows at Glendale, C. J. New York.  
1246. Outskirts of the City, C. J. New York.  
1247. Along the Baraboo River, Hassam, Childs, New York.  
1248. Montmartre, C. J. New York.  
1249. Springtime in the City, C. J. New York.  
1250. Indian Summer, Madison Square, New York.  
1251. Fifth Avenue, C. J. New York.  
1252. The Rain, Charles A. Washington.  
1253. Helms, Howard, Washington.  
1254. Portrait. (Lent by Mrs. Stoddard, Washington.)  
1255. Henry, Edward L., New York.  
1256. Before the Days of Rapid Transit, (Lent by Shephard Knapp, New York.)  
1257. Herter, Albert, New York.  
1258. The Great Mystery, Minor, Robert C., New York.  
1259. Holman, Frank, Paris.  
1260. A Sun Effect, Edward, New York.  
1261. Melody, Edward, New York.  
1262. The Great Mystery, Minor, Robert C., New York.  
1263. Jones, Annie M., Chicago.  
1264. Easter Lilies, Charles, New York.  
1265. Jones, Francis G., New York.  
1266. Waiting, R. H. New York.  
1267. Jones, H. Bolton, New York.  
1268. Winter, H. Bolton, New York.  
1269. Early Snow. (Lent by Walter, New York.)  
1270. Winter. (Lent by J. C. Nicoll, New York.)  
1271. Joseph, I. A., New York.  
1272. Midnight. (See also 1273.)  
1273. Kappes, Alfred, Van Cortlandt, New York.  
1274. Apple Pie, Keller, Arthur J., New York.  
1275. Keller, Arthur J., New York.  
1276. A Study of a

## Paintings in Water Colors.

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| <p><b>Exhibit</b><br/>No. 1259. La Farge, John, New York. (Lent by J. M. Seagraves, Boston.)</p> <p>1260. Just Flowers. (Lent by J. M. Seagraves, Boston.)</p> <p>1261. Lampert, Emma E., Rochester.</p> <p>1262. Through the Meadows. (Lent by O. Louise Imbach, New York.)</p> <p>1263. First Day of School. (Lent by J. M. Seagraves, Boston.)</p> <p>1264. Lane of Willow. (Lent by J. M. Seagraves, Boston.)</p> <p>1265. A Snow Evening. (Lent by J. M. Seagraves, Boston.)</p> <p>1266. A Wet Day, from Studio Window.</p> <p>1267. Sirens. (Lent by J. M. Seagraves, Boston.)</p> <p>1268. A Sea Witch.</p> <p>1269. Still Life.</p> <p>1270. The Old Cobbler.</p> <p>1271. Moonrise.</p> <p>1272. Bull Cart.</p> <p>1273. Old Friends. (Lent by J. M. Seagraves, Boston.)</p> <p>1274. The Shepherds and Their Flock.</p> <p>1275. Evening Pastoral.</p> <p>1276. Willows and Sheep.</p> <p>1276a. Money to Lend.</p> <p>1277. Roman Maiden. (Lent by Henry G. Marquand, New York.)</p> <p>1278. Moonlight.</p> <p>1278a. Outskirts of the Forest.</p> <p>1279. November Evening.</p> <p>1280. A Dream of Autumn.</p> <p>1281. The Scarlet Letter.</p> <p>1282. Chrysanthemums.</p> <p>1283. Washing Day. (Lent by J. M. Seagraves, Boston.)</p> <p>1284. Evening After a Gale.</p> <p>1285. During a Storm.</p> <p>1286. Near York Harbor, Maine.</p> <p>1287. Twilight, Late Autumn.</p> <p>1288. Frost.</p> <p>1289. A Study of a Southern Negress.</p> | <p><b>Exhibit</b><br/>No. 1290. Pattison, James, Jacksonville, Fla. (Lent by J. M. Seagraves, Boston.)</p> <p>1291. Meadow in Spring.</p> <p>1292. Perrie, Bertha E., New York.</p> <p>1293. Porgies.</p> <p>1294. Home of the Builders.</p> <p>1295. Powers, Ellen, Florence.</p> <p>1296. Ragsworth, Robert, Chicago.</p> <p>1297. Market Day in Thun, Switzerland.</p> <p>1298. Rehn, F. K. M., New York.</p> <p>1299. Interior.</p> <p>1300. An Atlantic Beach.</p> <p>1301. Rix, Julian, New York.</p> <p>1302. Buttons.</p> <p>1303. October Day.</p> <p>1304. A View of the Coast of Holland.</p> <p>1305. Limburg Cathedral.</p> <p>1306. Adirondack Taunt.</p> <p>1307. Garden Weeds.</p> <p>1308. Bourboulle Washerwoman.</p> <p>1309. Autumn Evening.</p> <p>1310. Fields in Early Spring.</p> <p>1311. Rose.</p> <p>1312. Still Life.</p> <p>1313. White Poplar.</p> <p>1314. Summer.</p> <p>1314a. A Spanish Girl.</p> <p>1314b. Portrait.</p> <p>1314c. Romola.</p> <p>1315. Capri from Sorrento.</p> <p>1316. A Corner in San Remo.</p> <p>1317. The River Bend at Venice.</p> <p>1318. Head of the Greek, Kenneth Me.</p> <p>1319. Sherwood, Rosina, New York.</p> <p>1320. September in the North.</p> |
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Paintings in Water Colors, Engravings and Etchings, Prints.

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ould be no doubt, thought  
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(Lent by Charles Scrib-  
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Scribner's Sons, New York.)  
Hall of Mines. (Lent by  
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by Charles Scribner's Sons, New York.)  
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York.

Agricultural Building.  
New York.  
White. (Lent by Helene  
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Fishing Boats. (Lent by  
Charles Scribner's Sons, New York.)  
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s. Flamingoes. (Lent by  
Charles Scribner's Sons, New York.)  
im, Mass.  
Building Over the

Exhibit  
No.  
1349. Oleanders and Lilies.  
1350. Old Japan (a).  
1351. Old Japan (b).  
Twachtman, J. H., New York.  
1352. Pier near Newport.  
1353. Winter.  
Tyler, James G., New York.  
1354. Dark Days at Sea.  
Vanderveer, Mary A., Amsterdam, N. Y.  
1355. Study of Peonies.  
Walton, William, New York.  
1356. A Great Enchantment.  
Wells, Newton A., Syracuse.  
1357. Rest.  
Whittemore, William J., New York.  
1358. Early Worshippers, St. Ives, Cornwall.  
1359. The Fairy Story.  
1360. Coast of Cornwall.  
1361. Misty Twilight.  
1362. In Old Edinburgh.  
Woodwell, Johanna K., Pittsburgh.  
1363. Portrait of Miss L.  
Young, Charles M., Gettysburg, Pa.  
1364. The Forest.

GROUP 142.

Van Trump, Miss R. N., Philadelphia.  
1365. A portrait—miniature on ivory.  
For other miniatures see 2817a, 2817b,  
2825c, 2834a, 2834b, 2846a, 2846b, 2846c,  
2851, 2855a, in Retrospective Exhibit.

GROUP 143.

Engravings and Etchings, Prints and  
Etchings and Dry Points.

In Upper Gallery Alcoves 165, 170.

Bloodgood, Robert F., New York.  
1366. Who's Afraid?  
1367. Hard Times.  
Calahan, James V., New York.  
1368. Mandolin Player.  
Canby, Louise, Prescott, Philadelphia.  
1369. Sunset.  
1370. Oswego Harbor.  
1371. Shipping Ice on the Kennebec.  
Chapman, Carlton T., New York.  
1372. Street in Mont St. Michel.  
1373. Evening in a Harbor.  
1374. Bakehouse Close, Edinburgh.  
1375. English Fishing Boats.  
1376. Twilight by the Sea.  
1377. Calm Morning.  
1378. Fishing Boats at Anchor.  
1379. Driven Ashore.  
1380. Rue de la Victoire, St. Malo.  
1381. Bridge Over Old Boat, Chantre.  
1382. Moonrise.

## Engravings and Etchings, Prints.

## Exhibit

- No.  
 1383. Gloucester Harbor.  
 1384. Abandoning the Ship.  
 1385. Street in St. Malo.  
 1386. Old Houses, Chester.  
 1387. Street in Chartres.  
 Colman, Samuel, Newport, R. I.  
 1388. Olive Grove and Mill, Bordighera Italy.  
 1389. Olive Trees of the Riviera.  
 1390. Life in Mexico. From note book sketches.  
 1391. A Gray Day at Dieppe.  
 1392. Japanese Inro with Netzukies.  
 1393. Japanese Inro with Netzukies. (No. 2.)  
 1394. The Terraces at Naples.  
 Dielman, Frederick, New York.  
 1395. Head. (Dry point.)  
 Ertz, Edward, Paris.  
 1396. The River Loire and the Chateau of Vernon. (Three etchings.)  
 Faber, Erwin F., Philadelphia.  
 1397. Thrown. (Lent by C. Klackner, New York.)  
 1398. St. Philip's, Charleston. (Lent by H. L. Smith, Philadelphia.)  
 1399. The Repentance of Eve.  
 Faber, Herman, Philadelphia.  
 1400. Faust—A Mastiff.  
 1401. Study of a Lion's Head.  
 1402. The Challenge.  
 Ferris, Stephen J., Philadelphia.  
 1403. Six Etchings.  
 Gifford, R. Swain, Philadelphia.  
 1404. Sakai Vats of Padan Asahi.  
 1405. Near the Sea (Evening).  
 1406. An October Day.  
 1407. Barney's Joy.  
 1408. The Bank of the River.  
 1409. The Cove Road.  
 Johnson, Thomas, New York.  
 1410. Walt Whitman. (After photograph.)  
 1411. Abraham Lincoln. (After photograph.)  
 1412. Columbus. (Wood cut. See 1419a.)  
 King, James S., Upper Montclair, N. J.  
 1413. Christmas Morning in Colonial Times (Lent by C. Klackner, New York.)  
 1414. August Afternoon. (Lent by C. Klackner, New York.)  
 1415. The Golden Hour (Harvest).  
 Lauber, Joseph, Leonia, N. J.  
 1416. Low Lands Near the Ocean.  
 1417. The Pond.  
 1418. Shingle Maker.  
 1419. A Study in Dry point.  
 1420. Morning at the Farm.  
 1421. The Shower.

## Exhibit

- No.  
 Lovewell, Rominer, Chelsea, Mass.  
 1422. Green's Dock, East Boston.  
 Manley, Thomas R., New York.  
 1423. Newark Bay (Evening).  
 1424. The Cottage.  
 1425. Weehawken Ferry.  
 1426. Bridge in Central Park, New York.  
 1427. After the Shower.  
 1428. The Lane.  
 1429. Near King's Bridge, New York.  
 Mercier, Gustave, New York.  
 1430. Automedon. (After Henri Regnaud.)  
 1431. The Day's Work Done. (After Jules Breton.)  
 1432. Vive la Fidelite! (After Franz Hals.)  
 1433. Education of the Virgin. (After Rubens.)  
 Mielatz, Charles F. W., New York.  
 1434. The Battery, New York.  
 1435. Madison Square at Night.  
 1436. Elevated Station at Night.  
 1437. A Tow on the North River, New York.  
 1438. Sectional Docks, East River, New York.  
 1439. In the Bowery, New York.  
 1440. Entrance to Brooklyn Bridge, New York.  
 1441. Spar Yard, South Street, New York.  
 1442. More Haven Canal, New York.  
 1443. Grand Central Station at Night.  
 1444. Coenties Slip, New York.  
 1445. East River, New York.  
 1446. Newport Wharves.  
 1447. A Bit of Baxter Street, New York.  
 1448. The Road to the Sea.  
 1449. The Falls of the Passaic River. (Dry point.)  
 1450. Trout Pond, Moorfields, N. H. (Dry point.)  
 1451. Strangers in Wallabout. (Dry point.)  
 1452. Mill at Block Island, N. H. (Dry point.)  
 1453. The Tomb, New York. (Dry point.)  
 1454. Two Bridges over the Harlem. (Dry point.)  
 Monks, J. A. S., Boston.  
 1455. Evening After the Storm.  
 Moran, Emily, N. Y. (Dry point.)  
 1456. On the Road to the Farm.  
 Moran, M. Nimmo, New York.  
 1457. Point Isabel, Florida.  
 1458. Florida Forest.  
 1459. Summer, Easthampton.  
 1460. Edge of Georgia Road.  
 1461. The Old Homestead.  
 1462. Between the Gloaming and the Morn.  
 1463. Twilight, Easthampton.  
 1464. Bridge Over the Delaware.

## Engravings and Etchings, Prints.

	Exhibit No.	
the Muskrat.	1518.	Platt, Charles A., New York.
astle, Wales.	1519.	Arnheim.
Bridge.	1520.	The Meuse.
East Hampton.	1521.	Brittany Landscape.
Philadelphia.	1522.	Brittany Farm.
the Head.	1523.	Willows on the Coast.
r Afternoon.	1524.	Dieppe.
Willows.	1525.	Dordrecht.
ew England Orchard.	1526.	Naples.
Storm, York Downs.	1527.	Honfleur.
on K., New York.	1528.	Passenger Boats on the Seine.
t in Stadts Park, Carlsbad.	1529.	Pier at Larmor.
se, Carlsbad.	1530.	Under Pont Ste. Marie.
ace, Carlsbad.	1531.	Two Sloops.
bridge, Carlsbad.	1532.	Inland Port.
Quay, Carlsbad.	1533.	A Spring Flood.
ne, Carlsbad.	1534.	Brooklyn Bridge.
isse (Market Street), Carls-	1535.	Pont St. Michel.
ring, from Window.	1536.	Ritchie, Henrietta, Philadelphia.
on My Window.	1537.	The Connoisseur.
anta Barbara, Cal.	1538.	Race Street Wharf, Philadelphia.
y York.	1539.	Rosenthal, Max, Philadelphia.
y Moonlight.	1540.	Crossing the Brook.
bot.	1541.	Portrait of George W. Childs.
giers' Landing Place.	1542.	High Altar at St. Patrick's Cathedral,
ind.	1543.	New York.
Philadelphia.	1544.	Sartain, Emily, Philadelphia.
Fecamp.	1545.	In the Twilight.
nd.	1546.	Schilling, Alexander, New York.
enjing, Windsor, N. S.	1547.	Near Ridderkerk, Holland.
Harbor. (Dry point.)	1548.	Toll Gate and Bridge.
Jew Brunswick.	1549.	Holland Landscape.
ice, Yvetot.	1550.	Spring.
oorland.	1551.	The Juniata, near Lewistown.
Chesler.	1552.	German Landscape.
imes.	1553.	Oostendam, Holland.
n, Brittany.	1554.	Dordrecht from Pappendrecht.
y, St. Augustine.	1555.	On Weehawken Heights.
Brunswick.	1556.	Edge of the Forest.
Windsor, N. S.	1557.	Lowery Autumn Day.
, Cape Cod.	1558.	Holland Landscape. (Dry point.)
ec.	1559.	An Interior.
s.	1560.	Windmill on the Maas.
Pennsylvania.	1561.	Church Street, Detroit. (Winter.)
ice.	1562.	Hauling Wood.
e.	1563.	The Brick Barge.
nn.	1564.	A Breezy Day on the Hackensack.
ice, Brittany.	1565.	The Maas at Schiedam.
	1566.	The Maas near Dort, low tide.
	1567.	The Dyke.
	1568.	Heerjahusdam, Holland.
	1569.	Old Shed and Willows, Rijnsvoord.
	1570.	Landscape, Spring.
	1571.	Evening. (Dry point.)
	1572.	Dry point, with burr removed.
	1573.	At Sunset.
	1574.	Schoff, S. A., Greenfield, Mass.
	1575.	Portrait of a Girl. (After Al-
	1576.	Thayer.)

Engravings and Etchings, Prints.

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| <p><b>Exhibit</b><br/>No. 1568. Portrait of Judge Devens. (After F. P. Vinton.)<br/>1569. The Prelude. (After C. S. Pearce.)<br/>1570. Portrait of Mrs. Fowler. (After Frank Fowler.)<br/><b>Smith, Sidney L., New York.</b><br/>1571. Europa. (After antique terra cotta.)<br/>1572. Silver Coffee Pot made by Tiffany &amp; Co.<br/>1573. Portrait.<br/>1574. Portrait.<br/>Eight etchings of jades from the collection of Heber R. Bishop, as follows:<br/>1575. Light and Dark Green Jade, Teakwood Stand.<br/>1576. Jade Plaque, Green Jade Stand.<br/>1577. Jade, with Teakwood Stand.<br/>1578. Jade Vase, Teakwood Stand.<br/>1579. Jade Bowl, Teakwood Stand.<br/>1580. Green Jade Jar, Teakwood Stand.<br/>1581. Opaque Gray Jade, Teakwood Stand.<br/>1582. Green Jade Plaque, Teakwood Stand.<br/><b>Vanderhoof, Charles A., New York.</b><br/>1583. Sunset on the Marne.<br/>1584. Morning.<br/>1585. Solitude.<br/>1586. Dordrecht.<br/>1587. East River.<br/>1588. The First Snow.<br/>1589. The Passing Storm.<br/>1590. Sand Dunes of Virginia.<br/>1591. A New York Shanty.<br/>1592. A Kansas Windmill.<br/>1593. Morning Light.<br/>1594. Castle William.<br/>1595. The Fish Hawk's Nest.<br/><b>Van Elten, Kruseman, New York.</b><br/>1596. Repairing the Bridge.<br/>1597. Hudson River.<br/>1598. Lily Pond.<br/><b>Walker, Charles A., Boston.</b><br/>1599. On the Oise. (After Daubigny.)<br/>1600. Winter in Holland. (After A. Mauve.)<br/>1601. Landscape. (After Daubigny.)<br/>1602. Group of Seven Etchings. (Two after Corot, 2 after Daubigny, 1 after Troyon, 1 after Dupré, 1 after Meissonier—Le Sicur.)<br/>See also No. 1990.<br/><b>Weir, J. Alden, New York.</b><br/>1603. Dr. R. F. Weir.<br/>1604. Christmas Tide. (After a water color.)<br/>1605. Blacksmith Shop.<br/>1606. John F. Weir. (Last state.)<br/>1607. By the Evening Lamp.<br/>1608. The Back Yard.<br/>1609. The Little Fountain.<br/>1610. Sulby Glen.<br/>1611. The Lamp.</p> | <p><b>Exhibit</b><br/>No. 1612. Castle.<br/>1613. Head.<br/>1614. Figure with Sleeping Dog.<br/>1615. Portrait of a Young Lady.<br/>1616. Three Etchings.<br/>1617. One Dry point and One Etching.<br/>1618. Frugal Repast. Child Reading.<br/>1619. Head.<br/>1620. Four Heads.<br/>1621. Two Etchings on Zinc.<br/>1622. Three Etchings and Three points.<br/>1623. Two Etchings and One Dry point.<br/>1624. One Dry point and One Etching.<br/>1625. One Dry point and One Etching.<br/>1626. Two Dry points.<br/>1627. H. E. Weir and Robert Weir. (One points.)<br/>1628. One Etching and One Dry point.<br/><b>Whistler, James McNeil, London.</b><br/>1629. Early Portrait of Whistler. (Lent by Edward G. Kennedy, New York.)<br/>1630. The Unsafe Tenement. (Lent by Edward G. Kennedy, New York.)<br/>1631. The Old Rag Woman. (Lent by George W. Vanderbilt, New York.)<br/>1632. The Kitchen. (Lent by George W. Vanderbilt, New York.)<br/>1633. Tyzac, Whiteley &amp; Co. (Lent by Edward G. Kennedy, New York.)<br/>1634. Black Lion Wharf. (Lent by George W. Bramhall, Orange, N. J.)<br/>1635. Longshoremen. (Lent by Howard Mansfield, New York.)<br/>1636. The Lime Burner. (Lent by Edward G. Kennedy, New York.)<br/>1637. Arthur Seymour. (Dry point.) (Lent by Charles L. Freer, Detroit.)<br/>1638. Becquet. (Lent by Howard Mansfield, New York.)<br/>1639. Whistler. (Dry point.) (Lent by Edward G. Kennedy, New York.)<br/>1640. Drouet. (Dry point.) (Lent by Howard Mansfield, New York.)<br/>1641. Annie Haden. (Dry point.) (Lent by Howard Mansfield, New York.)<br/>1642. Mr. Mann. (Dry point.) (Lent by John Caldwell, Pittsburg.)<br/>1643. Rotherhithe. (Lent by Howard Mansfield, New York.)<br/>1644. Axenfeld. (Dry point.) (Lent by Edward G. Kennedy, New York.)<br/>1645. The Engraver—Rault. (Dry point.) (Lent by Edward G. Kennedy, New York.)<br/>1646. The Forge. (Dry point.) (Lent by Edward G. Kennedy, New York.)<br/>1647. Joe. (Dry point.) (Lent by Howard Mansfield, New York.)</p> |
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Engravings and Etchings: Prints

Stories. (Dry point.) (Lent by  
Kennedy, New York.)  
y. (Dry point.) (Lent by  
Bramhall, Orange, N. J.)  
y Leyland. (Dry point.) (Lent  
d Mansfield, New York.)  
rsea, Dawn. (Dry point.) (Lent  
d Mansfield, New York.)  
boat Fleet. (Dry point.) (Lent  
d G. Kennedy, New York.)  
rsea Bridge. (Lent by Edward  
ly, New York.)  
arge Pool. (Lent by Howard  
New York.)  
y Bridge. (Lent by Howard  
New York.)  
Little Putney, New York. (Lent by  
ansfield, New York.)  
Vehicle. (Lent by John Cade  
burg.)  
rne, River. (Lent by Howard  
New York.)  
Palaces. (Lent by Bryan L.  
go.)  
Doorway. (Lent by Howard  
New York.)  
Fraghetto. (Lent by John Cade  
burg.)  
Two Doorways. (Lent by  
ansfield, New York.)  
Beggars. (Lent by George W.  
Orange, N. J.)  
Giorgio. (Lent by Howard  
New York.)  
rne, Palaces. (Lent by Howard  
New York.)  
Riva, No. 2. (Lent by John  
Pittsburg.)  
Garden. (Lent by Howard  
New York.)  
alcony. (Lent by Howard  
New York.)  
yer. (Lent by Howard Mans  
New York.)  
Smithy. (Lent by Howard  
New York.)  
Little Sweet Shop. (Lent by  
Carter, Brooklyn.)  
or. (Dry point.) (Lent by  
Freer, Detroit.)  
arber's Shop, Chelsea. (Lent  
Mansfield, New York.)  
s Exchange, No. 2. (Lent by  
ansfield, New York.)  
Maido, Brussels. (Lent by  
Kennedy, New York.)  
Brussels. (Lent by Bryan  
Chicago.)

Exhibit

No. 1677. Hotel Lallemand, Bourges. (Lent  
by Charles L. Freer, Detroit.)  
1678. Mayoralty Building, Loches. (Lent  
by Charles L. Freer, Detroit.)  
1679. Chancellor's Office, Loches. (Lent  
by Charles L. Freer, Detroit.)  
1680. City Hall, Loches. (Lent by Charles  
L. Freer, Detroit.)  
1681. Zaandam. (Lent by Walter S.  
Carter, Brooklyn.)  
1682. Pierrot. (Lent by Walter S. Carter,  
Brooklyn.)  
1683. The Balcony, Amsterdam. (Lent by  
Walter S. Carter, Brooklyn.)  
1684. The Steps. (Lent by Walter S.  
Carter, Brooklyn.)  
1685. The Embroidered Curtain. (Lent  
by Walter S. Carter, Brooklyn.)  
1686. The Long House. (Lent by Charles  
L. Freer, Detroit.)  
1687. The Mill. (Lent by Walter S. Carter,  
Brooklyn.)  
Whittemore, Charles E., New York.  
1688. Twilight on Bedloe's Island, New  
York Harbor. (Lent by W. B. Brown,  
New York.)  
1689. Off Old Point Comfort, Virginia.  
1690. A Gloucester Water Side. (Lent by  
Whittemore, Wm. J., New York.)  
1691. Mont St. Michel. (Lent by  
1692. Head of the Harbor. (Lent by  
Wiseman, R. R., New Haven, Conn.)  
1692a. New Haven, Elm. (Lent by B. W. Yewell,  
George H., New York.)  
1693. Cloister of the Monastery of St. Elena,  
near Venice. (Lent by  
1694. House of the Bell Ringer of Rouen  
Cathedral, France. (Lent by  
Prints from Engravings on Wood.  
1695. In Upper Gallery Alcoves 149, 150, 151, 152.  
Aikman, Walter M., Brooklyn.  
1696. Under the Willows. (After Alfred  
Persons.)  
1696. Wordsworth. (After Alfred Persons.)  
1697. A Modern Comanche. (After R.  
Remington.)  
1698. Grand Canal, Venice.  
1699. Rowing Down to Italy.  
1700. Bringing Home the Christmas Tree.  
1701. Sunset, La Hulpe, Belgium.  
1702. The Sheep Pass.  
1703. The Pendant Jewel Weed.  
Aitken, Peter, New York.  
1704. On the Dromedary, Japan. (After A.  
Castaigne.)  
1705. A Scene in Kent. (After J. A. F.)  
1706. The Conspirators.

## Engravings and Etchings, Prints

- Exhibit No.**
- Baker, Horace, New York.**
1707. Castles in The Air.
1708. Malay Pirate.
1709. Scene in Tasmania.
- Bernstrom, Victor, Grandview-on-Hudson, N. Y.**
1710. A Little Music. (After Theodore Wores.)
1711. Limbering Up.
1712. Philip II.
1713. The Mujik. (After T. de Thulstrup.)
1714. Drawing Water for the Camp. (After F. D. Millet.)
1715. Snow Angel.
1716. Trapped at Last.
1717. The Shepherdess. (After Charles Sprague Pearce.)
1718. The Mystery of Life. (After Carl Marr.)
1719. Pirates' Haven, Shark River, N. J.
1720. The Dead Matador.
- Brown, W. M., Boston.**
1721. Portrait of Corot.
- Cleaves, W. P., Springfield, Mass.**
1722. Swift River, Conway, N. H.
1723. A Chocorua Vista.
1724. A Chocorua Sunset.
1725. Chocorua Mountain and Lake.
1726. Springfield, Mass.
1727. Silver Lake.
- Closson, W. B., Lancaster, Mass.**
1728. Saxon.
1729. The Mirror. (After Bunker.)
1730. Springtime. (After E. Major.)
1731. The Young Squire. (After Couture.)
1732. Night Moths.
1733. Winifred Dysart. (After George Elmer.)
1734. The Immaculate Conception. (After Murillo-Fragment.)
1735. Mother and Child. (After A. H. Thayer.)
1736. Ideal Head. (After George Fuller.)
1737. The Quadroon Girl. (After George Fuller.)
1738. The Listeners. (After W. M. Hunt.)
1739. The Mother. (After Simmons.)
1740. Flowers. (After Bouvin.)
1741. The Irrigating Ditch.
1742. Sheep Shearers. (After Millet.)
- See also No. 1970.
- Cole, Timothy, The Century Co., New York.**
1743. Delphian Sibyl. (After Michael Angelo.)
1744. Knight of Malloy. (After Giorgione.)
1745. The Concert. (After Giorgione.)
1746. The Tribute Money. (After Masaccio.)

- Exhibit No.**
1747. Venice Enthroned. (After Paolo Veronese.)
1748. Battle of St. Ephesus. (After Spillio.)
1749. Madonna and Child. (After Bellini.)
1750. Miracle of St. Mark. (After Tintoretto.)
1751. Group of Angels. (After Gombosi.)
1752. Mary Magdalen. (After Bartholomeo.)
1753. Enéas. (After Raphael.)
1754. Madonna of the Goldfinch. (After Raphael.)
1755. Mona Lisa. (After Lionardo Da Vinci.)
1756. Three Ages of Man. (After Lotz.)
1757. Unknown Man. (After Frastia.)
1758. Verocchio. (After Lorenzo di Credi.)
1759. Madonna and Child (with cherub). (After Bellini.)
1760. Detail of "The Last Judgment." (After Fra Angelico.)
1761. Two Angels. (After Andrea del Sarto.)
1762. Man with a Violin.
1763. Madonna and Child. (After Botticelli.)
1764. St. Agnes. (After Andrea del Sarto.)
1765. St. Jerome. (After Ghirlandajo.)
1766. St. Liberialis. (After Giorgione.)
- The above named engravings by Cole were lent by the Century Co., New York.
1767. The Entombment.
- Collins, Robert C., Rockville Centre, L. I., N. Y.**
1768. Florence, on the Arno.
1769. An Archway in Siena.
1770. Henry VII Chapel.
1771. Landing Stairs at Leghorn. (After J. Pennell.)
- Comstock, Mrs. Anna Botsford, Ithaca, N. Y.**
1772. Tropical Moth.
1773. Moths.
1774. Moths.
1775. A Moth.
1776. Cherry Blossoms and Moths.
1777. Rendezvous by Moonlight.
- Cooper, Edith, New York.**
1778. Sheep. (After Davies.)
1779. White Birches. (After Miller.)
1780. Garrison Marching out with the Heroes of War, Lille, 1708.
1781. Springtime of Love. (After Tiepolo.)
- Dana, William Jay, Brookline, Mass.**
1782. Twilight. (After J. Appleton Brown.)
1783. The Mill at Cleve. (After J. Appleton Brown.)

## Engravings and Etchings, Prints.

Woods in Canada. (After F. Smith.)  
 (After Corot.)  
 Larry, New York.  
 um and His Master. (After How-  
 ck.)  
 rbury Cathedral.  
 noon at a Rancho.  
 Bowery at Night.  
 ld Mill. (After A. Castaigne.)  
 Winter.  
 P., New York.  
 an and Bull. (After Roth.)  
 g the Old Poets. (After Wal-  
 sh.)  
 obblers. (After E. M. Ward.)  
 ipping Song. (After Arthur B.  
 bohemia. (After Paul W. Bar-  
 nn Hillside.  
 ferson as Bob Acres. (After  
 ander.)  
 el P., Brooklyn.  
 ter Dinner Nap. (After Dufour.)  
 id Kitchen Play. (After Mine.  
 h Hunting Dog. (After Rosa  
 800-1802 lent by the Century  
 orie. (A. A. Powell, Carolin-  
 . H., New York.  
 naux Life. (After W. L. Taylor.)  
 lace of Beethoven.  
 ing in Florida. (After  
 n Scene in Venice. (After Rico.)  
 ng of the Dutch Fleet. (After  
 or Church.  
 berg. (After W. L. Taylor.)  
 W., Brooklyn.  
 ate Against Them.  
 Horse race. (After F. Kan-  
 g the Fourth Cavalry. (After  
 on.)  
 Deer. (After B. Hook.)  
 . E., Boston.  
 efades. (After Emu Vedder.)  
 k, East Orange, N. J.  
 stmas Vigil.  
 the Mistletoe.  
 nas Chimes.  
 ble.  
 sident.  
 y Store.

Exhibits  
 No. 1822. Daisies. 1881  
 1823. Vale of Tears. 1881  
 1824. African Woman. 1881  
 1825. Three wood engravings. 1881  
 Days in the Meadows. 1881  
 ing House, Morning in the Meadow. 1881  
 1826. 1881  
 1827. Heneyah. (After Bridgman.) 1881  
 1828. The Tiger Hunt. (After Barye.) 1881  
 1829. Rose Leaves. (After Humphrey Moore.) 1881  
 1830. Isaac Walton. (After Boughton.) 1881  
 1831. The Rare Vase. (After Fortuny.) 1881  
 1832. Portrait of a Lady. (After F. Dielman.) 1881  
 1833. In the Enemy's Country. (After Gilbert Gaul.) 1881  
 1834. Lacing the Saddle. (After F. D. Millet.) 1881  
 1835. Bust of Mark Twain. 1881  
 1836. Grooch, Oskar, Cincinnati. 1881  
 1837. Women Knitting. (After G. Meinhausem, Cincinnati.) 1881  
 Heikmans, Ernest, Fort Wadsworth, N. Y. 1881  
 1837. Mermaid. 1881  
 Johnson, Thomas, New York. 1881  
 1838. Head of a Man. (After Rembrandt.) 1881  
 1839. Browning. 1881  
 1840. Dr. J. W. Mitchell. (After Hill.) 1881  
 1841. Bishop Potter. (After Huntington.) 1881  
 1842. Mrs. Bradley Martin. (After Can-  
 Duran.) 1881  
 1843. Paderewski. 1881  
 1844. Tennyson. 1881  
 1845. Portrait of A. Lang. (After Sch-  
 mond.) 1881  
 1846. Portrait of a Girl. 1881  
 1847. Daubigny. 1881  
 1848. Liszt. (After Munkacsy.) 1881  
 1849. Portrait of a Child. (After 1881  
 Alexander.) See also 1842. 1881  
 1849a. Portrait of Columbus. 1881  
 Jungling, J. F., Jersey City. 1881  
 1850. The Queer Old Lady. 1881  
 King, Francis S., Rossville, N. J. 1881  
 1851. Knowledge is Power. (After 1881  
 Church.) 1881  
 1852. Battle of the Sirens. (After 1881  
 Church.) 1881  
 1853. The Sorceress. (After F. S. Church.) 1881  
 1854. Fog. (After F. S. Church.) 1881  
 1855. Pandora's Box. (After F. S. Church.) 1881  
 1856. Girl and Tigers. (After F. S. Church.) 1881  
 1857. Charge of Cuirassiers. (After Aime Morot.) 1881  
 1858. Ivan the Terrible. 1881  
 1859. Rose. 1881  
 Nos. 1851-1859. Mat. Th. H. Harper &  
 Bros., New York. 1881

Engravings and Etchings, Prints.

- Exhibit No.**
1860. The Sibyl. (After F. S. Church.)
1861. Christmas Fantasy. (After F. S. Church.)
1862. F. S. Church in His Studio. (After F. S. Church.)
1863. The Quartette. (After W. J. Dawkins.)
1864. A Difference. (After E. H. Blashfield.)
1865. Kingsley, Albridge, Hadley, Mass. (After F. S. Church.)
1866. The White Mountain. (After F. S. Church.)
1867. New England Fines. (After F. S. Church.)
1868. Old Homestead. (After F. S. Church.)
1869. Late Summer. (After R. Collins.)
1870. Connecticut Valley. (After R. Collins.)
1871. Journey Northward. (After R. Collins.)
1872. The Flying Dutchman. (After R. Collins.)
1873. Ryder. (After R. Collins.)
1874. A Morning. (After R. Collins.)
1875. The Old Walk. (After R. Collins.)
1876. Silence. (After W. Bliss Baker.)
1877. Midsommer. (After W. Bliss Baker.)
1878. (Lent by C. Klackner, New York.)
1879. (Lent by C. Klackner, New York.)
1880. (Lent by C. Klackner, New York.)
1881. (Lent by C. Klackner, New York.)
1882. (Lent by C. Klackner, New York.)
1883. (Lent by C. Klackner, New York.)
1884. (Lent by C. Klackner, New York.)
1885. (Lent by C. Klackner, New York.)
1886. (Lent by C. Klackner, New York.)
1887. (Lent by C. Klackner, New York.)
1888. (Lent by C. Klackner, New York.)
1889. (Lent by C. Klackner, New York.)
1890. (Lent by C. Klackner, New York.)
1891. (Lent by C. Klackner, New York.)
1892. (Lent by C. Klackner, New York.)
1893. (Lent by C. Klackner, New York.)
1894. (Lent by C. Klackner, New York.)
1895. (Lent by C. Klackner, New York.)
1896. (Lent by C. Klackner, New York.)
1897. (Lent by C. Klackner, New York.)
1898. (Lent by C. Klackner, New York.)
1899. (Lent by C. Klackner, New York.)
1900. (Lent by C. Klackner, New York.)
1901. (Lent by C. Klackner, New York.)
- The blocks of the above engravings by Mr. Lindsay are owned by Harper & Bros., New York.
- Lindsay, H. F. W., Boston.
1901. Nydia.

- Exhibit No.**
1902. Solitude. (After F. S. Church.)
1903. Lost in a Cypress Swamp. (After F. S. Church.)
1904. Meinshausen, George, Cincinnati. (After F. S. Church.)
1905. The Life Boat. (After F. S. Church.)
1906. Miller, William, New York. (After F. S. Church.)
1907. Seven wood engravings in one frame. (After F. S. Church.)
1908. Sunset. (After George Inness.)
1909. Bohemienne. (After Frank Hals.)
1910. Etretat. (After George Inness.)
1911. Head. (After Rubens.)
1912. Kiss Me Quick. (After Minnie.)
1913. Baby Mine. (After V. T. T. T.)
1914. Early Affection. (After V. T. T. T.)
1915. Müller, R. A., Brooklyn. (After V. T. T. T.)
1916. I Am Perfectly Happy. (After V. T. T. T.)
1917. The De Brehan Miniature of John Brown. (After V. T. T. T.)
1918. The De Brehan Miniature of John Brown. (After V. T. T. T.)
1919. Custis. (After V. T. T. T.)
1920. Sir William Temple. (After V. T. T. T.)
1921. Gilbert Burnett. (After Riley.)
1922. Lost. (After A. Schenck.)
1923. Taking of Numantia. (After V. T. T. T.)
1924. Pettit, F. A., Brooklyn. (After V. T. T. T.)
1925. By the Black Sea. (After V. T. T. T.)
1926. Gylskill Mill. (After V. T. T. T.)
1927. Centaur. (After V. T. T. T.)
1928. Sandhills. (After V. T. T. T.)
1929. Powell, Caroline A., Trenton, N. J. (After V. T. T. T.)
1930. The Resurrection. (After John L. Farge.)
1931. An Organist. (After John L. Farge.)
1932. A Harpist. (After John L. Farge.)
1933. A Bit of Sunshine. (After John L. Farge.)
1934. The Three Marys. (After John L. Farge.)
1935. Lady and Horse. (After A. H. Thayer.)
1936. Gorilla. (After V. T. T. T.)
1937. Bubbles. (After V. T. T. T.)
1938. Windmills. (After V. T. T. T.)
1939. Putnam, S. G., Corona, Long Island, N. Y. (After V. T. T. T.)
1940. Identity. (After Elihu Vedder.)
1941. Waterfall by Moonlight. (After R. A. Blake.)
1942. Mirabeau and the King's Messenger. (After V. T. T. T.)
1943. Princess Marie of Austria. (After V. T. T. T.)
1944. A Fox Corner. (After V. T. T. T.)
1945. Carné Castle. (After V. T. T. T.)
1946. At the Continental Spring. (After V. T. T. T.)
1947. Pirates Seizing a Ship. (After V. T. T. T.)
1948. A Sheep Pasture. (After V. T. T. T.)
1949. Reed, Charles H., Philadelphia. (After V. T. T. T.)
1950. Sarah Crew. (Lent by the Century Co. New York.)

s, Engravings, Prints, Oil, and Water, and Other Drawings.

Exhibit  
No.  
1964. The Portrait. (After Wm. H. Low.)  
1965. Alice. (After W. M. Chase.)  
1966. Miss Beatrice Goble. (After J. S. Sargent.)  
1967. Tiger. (After Adolf Menzel.)  
1968. Madonna and Child. (After Dagnan-Bouveret.)  
1969. Thirst. (After Gerome.)  
1970. Rembrandt's Mother.  
1971. The Belated Bird.  
1972. Nymph and Great Bubble.  
1973. Portrait of Whittier.  
Nos. 1970-1993 are prints from Closson intaglio plates.  
1974. Hawthorne's Boat House. (Relief engraving by a method of Closson's own invention.)  
1975. Helen Y. (Mezzotint).  
Girsch, F., Mount Vernon, N. Y.  
1976. Grandma's Toast. (After M. R. Dixon.)  
1977. Bank Note Vignettes. (Steel Engravings.)  
Moran, Peter, Philadelphia.  
1978. A Country Smith. (Mezzotint).  
Rosenthal, M., Philadelphia.  
1979. Romola. (Mezzotint).  
Sartain, John, Philadelphia.  
1980. Ivona. (After C. Comana. Steel Engraving.)  
Sartain, William, New York.  
1981. Symphony. (Mezzotint).  
1982. Ivona. (Mezzotint).  
Schlecht, Charles, New York.  
1983. Eyes to the Blind. (After A. F. Belows. Steel Engraving.)  
1984. Love's Young Dream. (After Jennie Brownscombe. Steel Engraving.)  
1985. Thoughts by the Sea. (After J. G. Brown. Steel Engraving.)  
1986. The Smoker. (After Leon Moran. Steel Engraving.)  
1986a. The Wish. (After Percy Moran. Steel Engraving.)  
Schoff, S. A., Greenfield, Mass.  
1987. Marine View. (After M. F. H. De Haas. Steel Engraving.)  
1988. Portrait of Ralph Waldo Emerson. (After S. W. Rowse. Steel Engraving.)  
1989. The Bathers. (After W. M. Hunt. Steel Engraving.)  
Walker, Charles A., Boston.  
1990. Rough Weather. (Monotype.)

Miscellaneous Prints.  
In Upper Gallery, north of Rotunda, and in Alcoves 152, 153.  
Closson, W. B., Lancaster, Mass.  
1970. Rembrandt's Mother.  
1971. The Belated Bird.  
1972. Nymph and Great Bubble.  
1973. Portrait of Whittier.  
Nos. 1970-1993 are prints from Closson intaglio plates.  
1974. Hawthorne's Boat House. (Relief engraving by a method of Closson's own invention.)  
1975. Helen Y. (Mezzotint).  
Girsch, F., Mount Vernon, N. Y.  
1976. Grandma's Toast. (After M. R. Dixon.)  
1977. Bank Note Vignettes. (Steel Engravings.)  
Moran, Peter, Philadelphia.  
1978. A Country Smith. (Mezzotint).  
Rosenthal, M., Philadelphia.  
1979. Romola. (Mezzotint).  
Sartain, John, Philadelphia.  
1980. Ivona. (After C. Comana. Steel Engraving.)  
Sartain, William, New York.  
1981. Symphony. (Mezzotint).  
1982. Ivona. (Mezzotint).  
Schlecht, Charles, New York.  
1983. Eyes to the Blind. (After A. F. Belows. Steel Engraving.)  
1984. Love's Young Dream. (After Jennie Brownscombe. Steel Engraving.)  
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1986. The Smoker. (After Leon Moran. Steel Engraving.)  
1986a. The Wish. (After Percy Moran. Steel Engraving.)  
Schoff, S. A., Greenfield, Mass.  
1987. Marine View. (After M. F. H. De Haas. Steel Engraving.)  
1988. Portrait of Ralph Waldo Emerson. (After S. W. Rowse. Steel Engraving.)  
1989. The Bathers. (After W. M. Hunt. Steel Engraving.)  
Walker, Charles A., Boston.  
1990. Rough Weather. (Monotype.)

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No.  
1964. The Portrait. (After Wm. H. Low.)  
1965. Alice. (After W. M. Chase.)  
1966. Miss Beatrice Goble. (After J. S. Sargent.)  
1967. Tiger. (After Adolf Menzel.)  
1968. Madonna and Child. (After Dagnan-Bouveret.)  
1969. Thirst. (After Gerome.)  
1970. Rembrandt's Mother.  
1971. The Belated Bird.  
1972. Nymph and Great Bubble.  
1973. Portrait of Whittier.  
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1975. Helen Y. (Mezzotint).  
Girsch, F., Mount Vernon, N. Y.  
1976. Grandma's Toast. (After M. R. Dixon.)  
1977. Bank Note Vignettes. (Steel Engravings.)  
Moran, Peter, Philadelphia.  
1978. A Country Smith. (Mezzotint).  
Rosenthal, M., Philadelphia.  
1979. Romola. (Mezzotint).  
Sartain, John, Philadelphia.  
1980. Ivona. (After C. Comana. Steel Engraving.)  
Sartain, William, New York.  
1981. Symphony. (Mezzotint).  
1982. Ivona. (Mezzotint).  
Schlecht, Charles, New York.  
1983. Eyes to the Blind. (After A. F. Belows. Steel Engraving.)  
1984. Love's Young Dream. (After Jennie Brownscombe. Steel Engraving.)  
1985. Thoughts by the Sea. (After J. G. Brown. Steel Engraving.)  
1986. The Smoker. (After Leon Moran. Steel Engraving.)  
1986a. The Wish. (After Percy Moran. Steel Engraving.)  
Schoff, S. A., Greenfield, Mass.  
1987. Marine View. (After M. F. H. De Haas. Steel Engraving.)  
1988. Portrait of Ralph Waldo Emerson. (After S. W. Rowse. Steel Engraving.)  
1989. The Bathers. (After W. M. Hunt. Steel Engraving.)  
Walker, Charles A., Boston.  
1990. Rough Weather. (Monotype.)

## [Chalk, Charcoal, Pastel and Other Drawings.]

## Exhibit

No.

1991. After the Storm.. (Monotype.)  
(Lent by J. Reed Whippie, Boston.)  
1992. Evening Approaching. (Monotype.)  
Wickenden, Robert J., Paris.  
1993. The Approach of Evening. (Original Lithograph.)

## GROUP 144.

## Chalk, Charcoal, Pastel and Other Drawings.

## Pastel Drawings.

In Upper Gallery Alcoves 178, 179.

- Allan, W. R., New York.  
1994. The Gleaner.  
1995. Landscape.  
1996. Ideal Head.  
1997. A Portrait.  
Beaux, Cecilia, Philadelphia.  
1998. Portrait. (Lent by William Burnham, Philadelphia.)  
Binney, Martha G., New York.  
1999. Sketch of Haystacks.  
Brown, J., Appleton, New York.  
2000. Sand Dunes.  
2001. December.  
2002. Springtime.  
2003. Summer.  
Cauldwell, Leslie, Paris.  
2004. Evening.  
2004a. Twilight. (Also catalogued as 1175.)  
Champney, J. Wells, New York.  
2005. Portrait of Rev. Robert Collyer  
2006. Suzanne.  
2007. Portrait of Mrs. Champney.  
Chase, William M., New York.  
2008. Good Friends. (See also 254.)  
Corwin, Charles A., Chicago.  
2009. Oat Harvest.  
Curran, Charles C., New York.  
2010. Night. (See 1186a. Lent by W. T. Evans, New York.)  
Du Mond, L. A., Paris.  
2011. Priscilla and John Alden.  
Eaton, Charles Warren, New York.  
2012. Wintry Fields.  
2013. Flowers of Autumn.  
2014. December Sunset.  
2014a. Morning on North River.  
Emmet, Lydia Field, New York.  
2015. A Portrait Sketch by Lamplight.  
Gibson, W. Hamilton.  
2015a. Moonlight in Opelousas.  
Hamilton, John McLure, London.  
2016. Cardinal Manning, the Palace, Westminster, 1890.  
Harrison, Birge, Paris.  
2017. Evening on the Seine.

## Exhibit

No.

- Hecker, Caroline F., New York.  
2018. Yellow and White Rosae.  
2019. Roses.  
Joseph, I. A., New York.  
2019a. Midnight. (Catalogued also as 199.)  
Klumpke, Anna E., Boston.  
2020. Portrait of Miss K. H. (Lent by Miss Lillian Horsford Cambridge, Mass.)  
MacKubin, Florence, Baltimore.  
2021. Portrait Study in Yellows.  
Mills, Lena, New York.  
2022. Boy's Head.  
2023. Portrait of a Lady.  
Muhman, Henry, London.  
2024. Trees and Pond, Hampstead Heath.  
2025. Landscape, Hampstead Heath.  
2026. Scene on Hampstead Heath.  
2027. Firs and Gorse.  
2028. Houses, Hampstead Heath.  
2029. Vale of Health, Hampstead Heath.  
2030. View of Highgate.  
2031. Old Tree.  
2032. Shells.  
2033. Birch Trees.  
2034. Field of Buttercups.  
2034a. Dawn, Hampstead Heath.  
Reaugh, Frank, Oak Cliff, Tex.  
2035. Landscape with Cattle.  
2036. February in Texas.  
Reynolds, Alice M., New York.  
2037. Portrait.  
Roishoven, Julius, Paris.  
2038. In the Shade.  
2039. Ave Maria.  
2040. Chioggia Fishermen Reading Letters.  
2041. A Chioggia Fishermans.  
2041a. Two Types, Sotto Moreno, Venice. (Catalogued also No. 866.)  
Sherwood, Rosina Emmet, New York.  
2042. A Sleeping Child.  
2043. The Black Cockade.  
2044. View in Central Park.  
2044a. September. (Lent by Boston Club.)  
Stewart, Jules L., Paris.  
2045. Portrait of Mrs. Broleman. (Lent by William H. Stewart, Paris.)  
Thomson, William, London.  
2046. Study of a Head.  
Twachtman, J. H., New York.  
2047. Le Gorge d'Enfer (Throat of Hell). (Lent by Charles Scribner's Sons, New York.)  
Wadsworth, Adelaide, Boston.  
2048. Fishing Boats at Anchor, Vermont.  
Wagner, Jacob, Boston.  
2049. Portrait of My Mother.  
Weil, Gertrude, Philadelphia.  
2050. Silence.

Pen and Ink, Charcoal, Black and White and Other Drawings.

Edward H., Paris.  
Illa, a Study. (Lent by William  
St. Louis.)  
ries Morris, Gettysburg, Pa.  
Cornfield at Twilight.

Charcoal, Black and White,  
and Other Drawings.

Wall of North Court; at west end  
court, in Alcoves 81, 94, 95; in the  
central stairways, and in Upper  
alcoves 129, 153, 154, 155; in North  
wall; in main floor Alcoves  
and east and southeast of

W. W.  
icks Adrift from Redwood  
(black and white.) (Lent by  
ribner's Sons, New York.)  
in A.  
u Like it. Rosalind: "O Jupiter,  
are my spirits." (Pen draw-

Wives. Fenton: "And tell me  
impossible." (Pen drawing.)  
ant of Venice. "It falleth like  
rain from heaven." (Pen draw-

ant of Venice. Portia: "Away  
locked in one of them." (Pen

est. Ferdinand: "I am, in my  
prince." (Pen drawing.)

est. Prospero: "Fetch me the  
hier." (Pen drawing.)

est. Miranda and Ferdinand.  
(g.)

est. Caliban, Trinculo, Steph-  
el invisible. (Pen drawing.)

est. Alonso, Gonzalo and others  
role. (Pen drawing.)

est. Trinculo: "What have we  
ck and white.)

e for Measure. "Sweet sister,  
(Pen drawing.)

e for Measure. Mariana and  
(Black and white in oil.)

e for Measure. Friar Thomas  
(Black and white in oil.)

e for Measure. Angelo and Is-  
ack and white in oil.)

ove fourteen illustrations of  
were lent by Harper &  
York.

Exhibit  
No.

Attwood, Francis Gilbert, Boston.  
2068-2077. Ten sketches for "Life." (Pen  
drawings.) (Lent by Mitchell & Miller,  
New York.)

Bacher, Otto H., New York.  
2078. Statue of Ferdinand in the Cathedral  
at Malaga. (Pen drawing.)

2079. Japanese Armor, 14th Century. (Pen  
drawing.)

2080. Japanese Armor, 16th Century. (Pen  
drawing.) (Nos. 2078-2080 lent by the  
Century Co., New York.)

2081. Grain Elevator. (Wash drawing.)

2082. Unloading a Banana Steamer. (Black  
and white.)

2083. Night Signaling on an Ocean Steamer.  
(Black and white, oil.)

Nos. 2081-2083 lent by Charles  
Scribner's Sons, New York.

Bellew, F. P. W.  
2084. Sketch for "Life." (Pen drawing.)  
(Lent by Mitchell & Miller, New York.)

Birch, Reginald B., New York.  
2085. Brother Stolz's Beat. (Wash drawing.)

2086. The Little Lovers. (Black and white.)  
Nos. 2085, 2086 lent by the Century  
Co., New York.

Blashfield, Edwin H., New York.  
2087. The Fairest Maiden. (Pen drawing.)

2088. His Lordship's Bedtime. (Black and  
white, oil.)

Nos. 2087, 2088 lent by the Century  
Co., New York.

2089. Charms with Holy Water. (Black and  
white, oil.)

2089a. The Vision of Saint Anne. (Nos.  
2089, 2089a lent by Charles Scribner's  
Sons, New York.)

Bloodgood, Robert F., New York.  
2090. The End of the Outlaw. (Pen drawing.)

Blum, Robert, New York.  
2091. Wandering Etas. (Pen drawing.)

2092. Japanese Policeman. (Pen drawing.)

2093. A Shop for Lamps. (Pen drawing.)

2094. Japanese Girl. (Pen drawing.)

2095. Its Tiny Head Swung Higher and  
Higher. (Pen drawing.)

2096. The Ameya. (Pen drawing.)

2097. Be Pleased to Bring in the Honorable  
Account. (Wash drawing.)

2098. My Eye was Caught by the Gleam of a  
Brass Doorknob. (Wash drawing.)

2099. She Looked at Me and Spoke Trust-  
ingly. (Wash drawing.)

2100. The Tall Ladder of a Fire Station.  
(Wash drawing.)

2101. Tea Pot and Crockery. (Wash drawing.)

2102. Benteen Cave, Enoshima. (Wash draw-  
ing.)

## Pen and Ink, Charcoal, Black and White and Other Drawings.

## Exhibit

No.

2103. The Anna Japonica. (Wash drawing.)  
 2104. Where the Proprietor, Stark Naked,  
 Pestles the Paddy. (Wash drawing.)  
 2105. She Laid her Hand on His Arm.  
 (Wash drawing.)  
 2106. Head of the Street, Enoshima. (Wash  
 drawing.)  
 2107. A Street Scene, Enoshima. (Wash  
 drawing.)  
 2108. Japanese Dinner at Golden Koi. (Wash  
 drawing.)  
 2109. A Little City Back Yard. (Wash draw-  
 ing.)  
 2110. Watching the Election Returns,  
 Japan. (Wash drawing.)  
 2111. A Begging Priest. (Black and white.)  
 2112. On the Hillside at Enoshima. (Black  
 and white.)

Nos. 2091-2112 lent by Charles  
 Scribner's Sons, New York.

2113. The Plankway to Benteen Cave.  
 (Wash drawing.)  
 2114. Fray Innocencio and Flejo. (Pen  
 drawing.)  
 2115. The Man is Dead He Said. (Black  
 and white.)

Nos. 2114, 2115 lent by the Century  
 Co., New York.

2116. Fifth Avenue Stage. (Pen drawing.)  
 (Lent by Mitchell & Miller, New York.)

Bradley, Horace; New York.

2117. Still Life Class Room. Art Student's  
 League, N. Y.

Burns, M. J.

2118. By George! I've Got Him. (Black and  
 white.)

2119. Working Drops and Borders from the  
 First Fly Gallery. (Black and white.)

2120. Danger Ahead! (Black and white.)

2121. Interior of a Round House. (Black and  
 white, in oil.)

Nos. 2118-2121 lent by Charles  
 Scribner's Sons, New York.

Castaigne, A., Baltimore.

2122. Queen of the Felibres, Provence.  
 (Charcoal drawing.)

2123. Portrait of Mlle. Roumanille. (Char-  
 coal drawing.)

2124. Open Air Theatre, Provence. (Char-  
 coal drawing.)

2125. The Shops of Catelan, Provence.  
 (Charcoal drawing.)

2126. Shop of Roumanille. (Black and  
 white.)

2127. Preparing for the Final Dance. (Black  
 and white, oil.)

2128. Circling the Lodges. (Black and  
 white, oil.)

## Exhibit

No.

2129. The Dance Was in Full Swing. (Black  
 and white, oil.)

2130. Festival of the Felibres, Provence. To  
 Mireval. (Black and white, in oil.)

2131. Running through Vercs, Provence.  
 (Black and white, in oil.)

2132. Good-bye at Nimes, Provence. (Black  
 and white, in oil.)

2133. Inn Yard at Collan, Provence. (Black  
 and white, in oil.)

2134. Isle of La Barthelasse at Night, Prov-  
 ence. (Black and white, in oil.)

2135. Up the Maiensi Pass. (Black and  
 white, in oil.)

2136. L'Isle sur Jurgues. (Black and white in  
 oil.)

2137. On the Otomi Pass, Japan. (Black and  
 white, in oil.)

Nos. 2122-2137 lent by the Century  
 Co., New York.

2138. On a Great Cattle Trail. (Black and  
 white, oil.) (Lent by Charles Scribner's  
 Sons, New York.)

Chapman, Carlton T., New York.

2139. Port of Valparaiso in a North. (Wash  
 drawing.)

2140. White Star Steamer Majestic. (Black  
 and white.)

2141. The Largest Steamer on the Lakes.  
 (Black and white.)

The above three drawings were lent  
 by Charles Scribner's Sons, New York.

Chase, William M., New York.

2142. Like Mother Like Daughter. (Pencil  
 drawing.) (Lent by Harper & Bros., New  
 York.)

Church, F. S., New York.

2143. Flapjacks. (Black and white.) (Lent  
 by Harper & Bros., New York.)

2144. Sketch for Window for Tiffany Glass  
 Co. (Black and white.)

Cox, Kenyon, New York.

2145. M. Daubray of the Palais Royal. (Pen  
 drawing, after photo.) (Lent by Charles  
 Scribner's Sons, New York.)

2146. Bust of J. Alden Weir, by Olin Warner.  
 (Pen drawing.)

2147. Veiled Moorish Woman. (Pen draw-  
 ing, after photo.)

2148. The Iroquois Arrow. (Black and white,  
 oil.)

2149. Reading in the Chapter Room, La  
 Trappe. (Black and white, oil.)

The above four drawings were lent  
 by the Century Co., New York.

Day, Francis, Nutley, N. J.

2150. Reluctant, She Turned to Him.  
 (Wash drawing.) (Lent by the Century  
 Co., New York.)

Exhibit  
No. 1  
2171. **Quadrant Rock, Yosemite.** (Black and white.)  
2172. **Sentinel Rock.** (Black and white.)  
2173. **The Corner, Kent.** (Wash drawing.)  
New York.  
Fraser, Malcolm, Paris.  
2174. **The Road to Johore—A Malay Village.** (Wash drawing.) (Lent by the Century Co., New York.)  
Frost, A. B., Courant, Morris County, N. J.  
2175. **Have You Happened to Hear Anybody Speak of Me?** (Pen drawing.)  
2176. **Is Dese yer Bobolionists Got Horns'n Huffs?** (Pen drawing.)  
The above two drawings were lent by the Century Co., New York.  
2177. **The Negro Leaned, Exhausted, Against the Wall.** (Pen drawing.)  
2178. **Men at a Card Table.** (Pen drawing.)  
2179. **An' then He Marched off to Bed by Himself.** (Pen drawing.)  
2180. **We'll All Swa' to it.** (Wash drawing.)  
2181. **If You Pull that Trigger and Hit the Mark, Ye can Ride off Free.** (Wash drawing.)  
2182. **Dead as a Hammer—Ain't He, Mac?** (Wash drawing.)  
The above six drawings were lent by Charles Scribner's Sons, New York.  
2183. **A Prize!** (Black and white.)  
2184. **Fishing for Striped Bass in the Surf.** (Black and white.)  
2185. **The Ice Harvest.** (Black and white.)  
2186. **Missed Him Again, by Ginger!** (Black and white.)  
2187. **Quail Shooting—Four Barrels and Four Birds.** (Black and white.) The above five drawings were lent by Harper & Bros., New York.  
Gates, J. H.  
2188. **A Sketch for "Life."** (Black and white.) (Lent by Mitchell & Miller, New York.)  
Gaul, Gilbert, New York.  
2189. **A Piquee Carrier, Mexico.** (Black and white in oil.)  
2190. **The Journey in the Market Cart.** (Black and white in oil.)  
2191. **Landing at Chagres.** (Black and white in oil.)  
2192. **Pleasant Weather in the Gulf.** (Black and white in oil.)  
2193. **O'Gorgona, Panama.** (Black and white in oil.)  
2194. **The Pilot, Jamaica.** (Black and white in oil.)  
2195. **The Kitchen, Jamaica.** (Black and white in oil.)

## Pen and Ink, Charcoal, Black and White and Other Drawings

## Exhibit

- No. 2196. Pleased. A Cheer for the Old Flag (Black and white in oil.)
2197. The Master's Lunch, Jamaica (Black and white in oil.)
2198. Dining room, French's Hotel, Panama. (Black and white in oil.)
2199. The Steamer is in Panama. (Black and white in oil.)
2200. A Crowded Steamer. To California in 1849. (Black and white, oil.)
- The above twelve drawings were lent by the Century Co., New York.
- Gibson, C. D., New York.
2201. Yes, it is too Bad. (Pen drawing.)
2202. You Must Tell Your Friend Not to be Frightened at the House. (Pen drawing.)
2203. Awfully Kind of You to Come to Our Little Shanty in the Wilderness. (Pen drawing.)
2204. And the Two Smoked in Silence. (Pen drawing.)
2205. Aren't You Pleased With Me? (Pen drawing.)
2206. Debutantes. Leaning on His Arm. (Pen drawing.)
2207. The Young Men in the House Thought Her a Jolly Girl. (Pen drawing.)
2208. Mrs. Vernon had Crossed the Rubicon. (Pen drawing.)
2209. He is Waiting for Me. (Pen drawing.)
2210. Lord and Lady William Hampshire. (Pen drawing.)
2211. We are Behind Time, Mrs. Vane, Ben-son and I. (Pen drawing.)
2212. When Luella Lost Her Grip. (Pen drawing.)
2213. The Meeting in Mrs. Van Shuter's Empire Room. (Pen drawing.)
2214. I Am Glad that Tempest in a Teapot is Over. (Pen drawing.)
- The above fourteen drawings were lent by the Century Co., New York.
2215. Her First Appearance. (Pen drawing.)
2216. The American Girl. (Pen drawing.)
- 2216a. At the Fair. (Pen drawing.) The above three drawings were lent by Harper & Bros., New York.
2217. I Wish to God You Were Out of the Business. (Wash drawing.)
2218. In the Studio. (Wash drawing.)
2219. A Serious Question. (Wash drawing.) The above three drawings were lent by Charles Scribner's Sons, New York.
2220. Cartoon, for "Life." (Pen drawing.) (Lent by Mitchell & Miller, New York.)
2221. Two Girls and a Man. (Pen drawing.)
2222. The Jury. (Pen drawing.)

## Exhibit

- No. 2223. In the Moonlight. (Pen drawing.)
2224. Drifting Apart. (Pen drawing.)
2225. Will Penelope Land the Baron? (Pen drawing.)
2226. At Mrs. Flatsharp's. (Pen drawing.)
2227. The Prisoner at the Bar. (Pen drawing.)
2228. Time! (Pen drawing.)
2229. In Leap Year. (Pen drawing.)
2230. In Leap Year. Starting on Their Wedding Journey. (Pen drawing.)
2231. In Leap Year. After Having Kept the Men Waiting. (Pen drawing.)
2232. The Horse Show. (Pen drawing.)
2233. That Delicious Moment When You are Asked to Take in to Dinner the Girl Who Refused You Yesterday. (Pen drawing.)
2234. A Summer Vacation. (Pen drawing.)
2235. Fourth of July. (Pen drawing.)
2236. At Mrs. Van Tappan's. (Pen drawing.)
2237. At Mrs. Daubleigh Chrome's. (Pen drawing.)
2238. At the Gentlemen's Sons' Chowder Club. (Pen drawing.)
- Gibson, W. Hamilton, Brooklyn.
2239. Night Hawk. (Pen drawing.)
2240. Orange Boughs. (Charcoal.)
2241. A Misty Moonlight. (Smoke.)
2242. Los Loros, Andes. (Black and white.)
2243. A California Garden. (Black and white.)
2244. The Bobolink at Home. (Black and white.)
2245. A Midnight Tragedy. (Black and white.)
2246. The Wild Garden. (Black and white.)
2247. A Winter Ravine. (Black and white.)
2248. The Sly Silver Fox. (Black and white.)
2249. Cyrepedium Spectabile. (Black and white.)
2250. A Relic of the Departed South. (Black and white.)
2251. A Southern Canebrake Jungle. (Black and white.)
2252. On Bayou Teche, Louisiana. (Black and white.)
- Nos. 2251, 2252 lent by E. T. H. Gibson, New York.
- Hammer, John J., New York.
2253. Study Head. (Charcoal.)
- Helmeck, Howard, Washington, D. C.
2254. Many a Bride Stepped from Abroad Her Husband's Whaler. (Black and white.)
2255. Faith'd Fetch It. (Black and white.)
2256. On the Floor Lay Berrian Coast. (Black and white, oil.)
- Nos. 2254-2256 lent by the Century Co., New York.

Pen and Ink, Charcoal, Black and White and Other Drawings

h, for "Life." (Pen drawing.)  
 Mitchell & Miller, New York.  
 George.  
 outh Sea Dutch Fisherman.  
 (wing.)  
 er of a Dutch Captain's Kitchen.  
 (white.)  
 Fishing Boats. The above  
 wings were lent by Charles  
 Sons, New York.  
 L., New York.  
 sme. (Pen drawing.)  
 H.  
 h No. 1, for "Life." (Pen draw-  
 h No. 2, for "Life." (Wash  
 (Lent by Mitchell & Miller,  
 .)  
 W., New Rochelle, N. Y.  
 You Forgot Your Brother Ab.  
 (Pen drawing.)  
 int. Bowers, Receiving Orders.  
 (ng.)  
 ts. (Pen drawing.)  
 lantation Bell. (Pen drawing.)  
 for the Confederate Wounded.  
 (ng.)  
 e Problem. (Pen drawing.)  
 ake Walk. (Pen drawing.)  
 Ann. (Pen drawing.)  
 Peter Bean. In the Cotton-  
 ia. (Two pen drawings.)  
 d Hand. (Pen drawing.)  
 in Ebony Statue of Liberty.  
 (ving.)  
 His Master. (Black and white.)  
 bove thirteen drawings were  
 Century Co., New York.  
 . New York.  
 gh Our Tendrilled Arches the  
 am Quire. (Black and white.)  
 e Century Co., New York.)  
 eld at Barbizon. (Wash.)  
 sus. (Black and white, oil.)  
 bove two drawings were lent  
 Scribner's Sons, New York.  
 New York.  
 of Heads. (Pen drawing.)  
 mer. (Pencil.)  
 Supper Room. (Black and  
 Driver. (Black and white.)  
 s a Team. (Black and white.)  
 n de, Lakewood, N. J.  
 No. 1, for "Life." (Black and  
 No. 2, for "Life." (Black and

Exhibit  
 No.  
 2286. Sketch No. 8, for "Life." (Black and  
 white.)  
 The above three sketches were lent  
 by Mitchell & Miller, New York.  
 2287. Drawing for Illustration. (Black and  
 white.)  
 2288. When Through Feast-Litten Hall.  
 (Black and white.)  
 Metcalf, W. L., New York.  
 2289. Stinnerd House, Pellham Bay Park.  
 (Pen drawing.)  
 2290. The Picture Gallery. (Black and  
 white.)  
 2291. He Drove the Knife Through His  
 Hand. (Black and white.)  
 2292. Cable Hut at Shore End. (Black and  
 white, oil.)  
 The above four drawings were lent  
 by Charles Scribner's Sons, New York.  
 Mowbray, A. Siddons.  
 2293. Ben Hur. (Black and white, oil.)  
 (Lent by Harper & Bros., New York.)  
 Newell, P. S.  
 2294. A Reminder of Old Virginia. (Black  
 and white.) (Lent by Harper & Bros.,  
 New York.)  
 Nichols, H. D.  
 2295. Interior of Manufactures and Libe-  
 Arts Building, W. C. E. (Black and  
 white.) (Lent by Harper & Bros., New  
 York.)  
 Page, Frederick S. M., Paris.  
 2296. The Sphinx by Moonlight. (Pen  
 drawing.) (Lent by Century Co., New  
 York.)  
 Parsons, Alfred, New York.  
 2297. Crossing Weir. (Wash drawing.)  
 2298. In Sinfonia. (White and black.)  
 2299. Singing Shepherd. (White and black.)  
 2300. Pig Wallow. (Black and white.)  
 2301. Ischatal, St. George. (Black and  
 white.)  
 2302. Camp opposite Kalafat. (Black and  
 white.)  
 The above six drawings were lent by  
 Harper & Bros., New York.  
 2303. The Snowdrop. (Black and white.)  
 2304. Daffodils. (Black and white.)  
 Pennell, Joseph, London.  
 2305. St. Edmund's Chapel, Westminster  
 Abbey. (Pen drawing.)  
 2306. York Cathedral: Chapter House, Five  
 Sisters, and Central Tower. (Pen draw-  
 ings.)  
 2306a. York Cathedral—East from North  
 Aisle of Retro-Choir. (Pen drawing.)  
 2307. Old Battersea Church, Chelsea. (Pen  
 drawing.)

## Pen and Ink, Charcoal, Black and White and Other Drawings.

- Exhibit No.**
2308. One Bay of the Angel Choir, Lincoln Cathedral. (Pen drawing.)
2309. Western Part of Ely Cathedral from Garden in Close. (Pen drawing.)
2310. Sally Harrowell's Shop, Rugby. (Pen drawing.)
2311. Florence from Boccaccio's Villa. (Pen drawing.)
2312. In the Garden, Boccaccio's Villa. (Pen drawing.)
2313. In the Nave, Westminster Abbey. (Pen drawing.)
2314. Villa on the Road to Fiesole. (Pen drawing.)
2315. Northwest View of Gloucester Cathedral. (Pen drawing.)
2316. South Side of Lincoln Cathedral. (Pen drawing.)
2317. Well's Cathedral Choir, Looking East. (Pen drawing.)
2318. Dryden's Monument, Westminster Abbey. (Pen drawing.)
2319. Winchester Cathedral Choir and Presbytery, Looking East. (Pen drawing.)
2320. The Vicar's Close, Well's Cathedral. (Wash drawing.)
2321. Well's Cathedral Nave, Looking East. (Wash drawing.)
2322. Wargrave, Sonning Bridge Landings at Richmond. (Wash drawings.)
2323. Gloucester Cathedral Nave from the North Aisle. (Wash drawing.)
- 2323a. Windsor, from the Flying Field. (Pen drawing.)
- The above drawings by Pennell were lent by the Century Co., New York.
2324. Four Pen Drawings from Charing Cross to St. Paul's.
2325. Five Pen Drawings from Charing Cross to St. Paul's. (1)
2326. Five Pen Drawings from Charing Cross to St. Paul's. (2)
2327. Six Pen Drawings from Charing Cross to St. Paul's. (1)
2328. Six Pen Drawings from Charing Cross to St. Paul's. (2)
- Pennington, Harper, New York.
2329. In the Workshop, Philadelphia Mercantile Training School. (Black and white.) (Lent by the Century Co., New York.)
- Petard, Victor, New York.
2330. River Police Patrol Boat. (Wash drawing.)
2331. Pelham Park. (Wash drawing.)
- The above two drawings were lent by Charles Scribner's Sons, New York.
- Pyle, Howard, Wilmington, Del.
2332. In the Valley. (1) (Black and white in oil.)

- Exhibit No.**
2333. In the Valley. (2) (Black and white in oil.)
2334. In the Valley. (8) (Black and white in oil.)
2335. The Oak of Gelsmar. (Black and white in oil.)
2336. Gambetta Proclaiming the Republic. (Black and white in oil.)
2337. A Moment Later There was a Great Hammering at the Door. (Black and white in oil.)
- The above six drawings were lent by Charles Scribner's Sons, New York.
2338. Indian Woman Saving the Life of John Brown. (Black and white, oil.)
2339. Along the Canal in Old Manhattan. (Black and white, oil.)
- The above two drawings were lent by Harper & Bros., New York.
2340. They Used to Drill Every Evening. (Black and white.) (Lent by the Century Co., New York.)
- Redwood, Allen C., Bergen Point, N. J.
2341. Barksdale's Mississippians Opposing Laying of Pontoon Bridges. (Pen drawing.)
2342. A Camp Toilet. (Pen drawing.)
2343. I'm Ready to Begin Right Now. (Black and white.)
2344. General Grant Can't Have any Water from this Spring. (Black and white.)
2345. Perpetual Motion. (Black and white.) (Here. (Black and white.)
2346. Our March Against Pope. (Pen drawing.)
- A Stag Dance. (Black and white.)
2347. The Retreat from Gettysburg. (Black and white.)
2348. Dress Parade. (Black and white.)
- Nos. 2341-2348 lent by the Century Co., New York.
- Reinhart, Charles S., New York.
2349. A Kissing Gate. (Pen drawing.)
2350. Government Wharf, Fort Monroe. (Pen drawing.)
2351. Up the Hudson. (Pen drawing.)
2352. Portrait of Charles Dudley Warner. (Charcoal.)
2353. A Near-Sighted Deputy. (Charcoal.)
2354. Liberal and Conservative. (Charcoal.)
2355. A Tramp. (Charcoal.)
2356. Christmas Morning. (Charcoal.)
2357. Illustration. (Black and white.)
2358. Skating. (Wash drawing.)
- Remington, Frederick, New Rochelle, N. Y.
2359. Roping in a Horse, Corral. (Pen drawing.)
2360. The Old Trapper. (Pen drawing.)

and ink, colored, black and white and other drawings

number of the Mounted Police  
drawing. (Wash drawing)  
Covering the Withdrawal of  
Wash drawing. (Wash drawing)  
the Breastworks, Ringed by  
drawing. (Wash drawing)  
ple. (Black and white.)  
Party of Comanches, "Buff  
er's Camp. (Black and white.)  
ing the Buffalo Herd. (Black  
and white.)  
and Saddles. (Black and  
Nos. 2359-2367 lent by the  
New York. (Wash drawing)  
ing Up. (Wash drawing)  
g Broncos. (Wash drawing)  
Miles. Reviewing the Men  
(Wash drawing)  
Village. (Wash drawing)  
die Notes on the Most Noble  
in Europe. (Wash drawing)  
Horse Show. (Wash drawing)  
73 lent by Harper & Bros.  
les W., Chicago.  
Head. (Charcoal)  
s R. Rhodes, Marietta, O.  
edore, New York.  
Mopet, (Charcoal)  
ary Co., New York.  
New York.  
Sweet Home.  
t in Two Dollars and Eight  
drawing.  
Black and white.)  
Cheers for the First Sons  
white.)  
Narrow Trail. (Black and  
ove five drawings were lent  
ry Co., New York.  
No. 1 for "Life" (Pen draw  
No. 2 for "Life" (Pen draw  
No. 3 for "Life" (Pen draw  
No. 4 for "Life" (Pen draw  
ove four drawings were lent  
k Miller, New York.  
stman. (Pen drawing)  
Peace. (Pen drawing)  
pel Steps. (Pen drawing)  
l for Trumps. (Pen drawing)  
in the Park. (Pen drawing)  
Treasures. (Pen drawing)  
ation Ball. (Pen drawing)  
f War. (Pen drawing)

Exhibit  
No.  
2395. A. Belle of Green which Wash drawing  
2396. Broadway Stage, 1891. (Black and  
white.)  
2395. Prologue to "She." (Black and white.)  
2396. Camp Fire. (Black and white.)  
2397. Out of the Game. (Black and white.)  
2398. Arab Colony of New York. (Black  
and white.)  
2399. No Frost With. (Black and white.)  
2400. The Salvation Army. (Black and  
white.)  
Sandham, Henry, Boston.  
2401. Snow-shoeing by Torchlight. (Black  
and white.)  
Sawlaw, Walter, New York.  
2402. Broad Street Railway Station, Phila-  
delphia. (Black and white.)  
Charles Scribner's Son's New York.  
Small, Frank O., Boston.  
2403. Pop Concert. (Black and white.)  
2404. The Last Picnic of the Season. (Black  
and white.)  
The above two drawings were lent  
by Harper & Bros., New York.  
2405. The Drawn Struggle with the Night  
(Black and white.)  
2406. A Forgotten Ancestor. (Black and  
white.)  
2407. Christmas Presents at the Breakfast  
Table. (Black and white.)  
2408. Attention, Citizens of Health Avenue,  
Boston. (Black and white.)  
2409. Said in Passing. (Black and white.)  
2410. Sketch No. 1 for "Life." (Black and  
white.)  
Smalley, W. T., New York.  
2411. Exhibition Grounds in 1891. (Black  
and white.)  
2412. Before the Agricultural Building.  
(Black and white.) See also 1330a.  
2413. Lake Front—side of main building.  
(Black and white.)  
Nos. 2414-2419 lent by Charles  
Scribner's Sons, New York.)  
2414. At the Hotel. (Black and white.)  
(Lent by Harper & Bros., New York.)  
2415. In a Restaurant. (Pencil.)  
2416. Illustration. (Black and white.)  
2417. Old Guard Hall. (Black and white.)  
2418. An Invitation to the Dance. (Black  
and white.)  
2419. In the House of Representatives.  
(Black and white.)  
2420. Cowboy. (Black and white.)  
2421. Illustration. (Wash drawing.)  
2422. Ladies' Gallery, House of Representa-  
tives. (Black and white.)

## Pen and Ink, Charcoal, Black and White and Other Drawings

Exhibit  
No.

2423. Easter Lilies. (Black and white.)  
 2424. Broadway at Night. (Black and white.)  
 2425. Promenade Concert, Madison Square Garden. (Black and white.)  
 2426. A Bishop. (Black and white.)  
 2427. Relics of George Washington. (Black and white.)  
 2428. Onnalinda. (Black and white.)  
 2429. When the Tide Comes in. (Black and white.)  
 2430. Jane Field, I aint Esther Maxwell. (Black and white.) (Lent by Harper & Bros., New York.)  
 2431. On the Rocks at Narragansett Pier. (Black and white.)  
 2432. Sunday Morning, Fifth Avenue. (Black and white.)  
 2433. A King's Daughter. (Black and white.)  
 2434. Christmas Shopping. (Black and white.)  
 2435. On the Down Town Ferry. (Black and white.)  
 2436. A Bit of Decoration. (Black and white.) (Lent by Charles Scribner's Sons, New York.)

Smith, F. Hopkinson, New York.

2437. It Was Near the Close of a Summer Afternoon. (Charcoal.) (Lent by Charles Scribner's Sons, New York.)  
 2438. Windmill. (Charcoal.)  
 2439. Scene in Venice. (Black and white.)  
 Stephens, Alice Barber, Philadelphia.  
 2440. Music. (Black and white.) (Lent by Ladies Home Journal Philadelphia.)  
 2441. Their Perfume Flooded the House. (Black and white.) (Lent by Leslie's Weekly, New York.)  
 2442. Philadelphia Quaker. (Wash drawing.)  
 Sterner, Albert E., Paris.  
 2443. Champigny. (Pen drawing.)  
 2444. My Cousin Fanny. (Pencil, with pen and ink remarque.)  
 2445. Where is That Idiot, That Dolt, That Sluggard, That Snail, with My Mail? (Wash drawing.)  
 2446. Walking Away With a Shrug of the Shoulders. (Wash drawing.)  
 2447. I Wept, I Wept, I Wept. (Black and white.)  
 2448. Passionnement was What I Wanted. The above six drawings were lent by the Century Co., New York.  
 2449. No Pertinacity. (Pen drawing.)  
 2450. The Rivals. (Wash drawing.) The above two drawings were lent by Harper & Bros., New York.  
 Tabor, W., New York.  
 2451. A Rescue. (Wash drawing.)

Exhibit  
No.

2452. The Hanging of Squire by the Fire Vigilance Committee. (Pen drawing.)  
 2453. Mission San Dolores, Sunday Afternoon. (Pioneer San Francisco Pen Drawing.)  
 The above three drawings were lent by the Century Co., New York.  
 Taylor, Charles J., New York.  
 2454. The Ingle Nook. (Pen drawing.) (Lent by W. C. Gibson, Port Chester, N. Y.)  
 2455. Quarrel in the Tavern. (Black and white.) (Lent by A. Schwartzman, New York.)  
 2456. The Poet at the Breakfast Table. (Pen drawing.)  
 2457. Two Girls. (Pen drawing.)  
 2458. A Question of Wines. (Pen drawing.)  
 2459. At the Luncheon. (Pen drawing.)  
 2460. Gossip. (Pen drawing.)  
 2461. Hitting a Butler. (Pen drawing.)  
 Taylor, W. L.  
 2462. On the Beach. (Wash drawing.) (Lent by Charles Scribner's Sons, New York.)  
 Thompson, Ernest E., New York.  
 2463. At Midday. The Last of the Ballets. (Wash drawing.) (Lent by Charles Scribner's Sons, New York.)  
 Thulstrup, T. H., New York.  
 2464. Joseph Choate. (Wash drawing.)  
 2465. Columbian Exposition, Working Staff. (Black and white.)  
 2466. Belated Passenger. (Black and white.)  
 2467. An Evening at the Horse Show. (Black and white.)  
 2468. Admiral Walker. (Black and white.)  
 The above five drawings were lent by Harper & Bros., New York.  
 2469. The Three Hussars. (Black and white.) (Lent by Charles Scribner's Sons, New York.)  
 2470. The Dinner Table in a Norwegian Farmhouse. (Black and white.)  
 2471. A Mujik's Funeral. (Black and white.)  
 2472. Norwegian Fisher Family. (Black and white.)  
 2473. At the Traktier's. (Black and white.)  
 2474. Kroll's Garden, Berlin. (Black and white.)  
 2475. Military Road in the Caucasus. (Black and white.)  
 2476. Circassians of the Imperial Guard. (Black and white.)  
 2477. Georgian Princess. (Black and white.)  
 2478. The Yachting Party. (Black and white.)  
 2479. Persian Bazaar at Nish. (Black and white.)

## and Ink, Charcoal, Black and White and Other Drawings.

2505. Study of Oaks, Island of Jersey.  
 Wiles, Irving R., New York.  
 2506. Ignace Jan Paderewski. (Charcoal.)  
 2507. I ain't Religious; I Drink. (Wash drawing.)  
 2508. In the Designing Room, Y. W. C. A. (Wash drawing.)  
 2509. Photo-Negative Retouching, Y. W. C. A. (Wash drawing.)  
 2510. The Salesroom, Y. W. C. A. (Wash drawing.)  
 2511. Cohanim Blessing the People. (Wash drawing.)  
 2512. A Jewish Wedding. (Wash drawing.)  
 2513. Confirmation, Temple Emanuel. (Wash drawing.)  
 2514. The Choir. (Wash drawing.)  
 2515. Class in Phonography. (Wash drawing.)  
 2516. Rock of Ages. (Black and white, oil.)  
 The above eleven drawings were lent by the Century Co., New York.  
 2517. The Printing Office. (Wash drawing.)  
 2518. The Carpenter Shop. (Wash drawing.)  
 Nos. 2517, 2518 lent by Charles Scribner's Sons, New York.  
 2519. Illustration for a Story. (Wash drawing.) (Lent by Ladies' Home Journal, Philadelphia.)  
 2520. The Morning Paper. (Wash drawing.) (Lent by W. M. Chase, New York.)  
 2521. A Study. (Wash drawing.) (Lent by C. C. Curran, New York.)  
 2522. A Mendicant. (Wash drawing.)  
 Woodbury, Charles Herbert, Boston.  
 2523. Market at Thun. (Pencil.)  
 2524. In Switzerland. (Pencil.)  
 2525. Rutch Lane. (Pencil.)  
 2526. Building at Hoven. (Pencil.)  
 2527. Thun Castle, from the River. (Pencil.)  
 2528. Cedar Tree, Beverly. (Pencil.)  
 Woodward, E., New Orleans.  
 2529. Pen Studies.  
 Woodward, J. D.  
 2530. A Pond Effect. (Black and white, oil.) (Lent by Charles Scribner's Sons, New York.)  
 Zogbaum, R. F.  
 2531. A Landing. The Advanced Skimmers. (Black and white.)  
 2532. Shore Drill. Pegging Away at an Imaginary Enemy. (Black and white.)  
 Nos. 2531, 2532 lent by Charles Scribner's Sons, New York.  
 2533. All Hands to Skylark! (Black and white.) (Lent by Harper & Bros., New York.)

2534. Study of Oaks, Island of Jersey.  
 Wiles, Irving R., New York.  
 2535. Ignace Jan Paderewski. (Charcoal.)  
 2536. I ain't Religious; I Drink. (Wash drawing.)  
 2537. In the Designing Room, Y. W. C. A. (Wash drawing.)  
 2538. Photo-Negative Retouching, Y. W. C. A. (Wash drawing.)  
 2539. The Salesroom, Y. W. C. A. (Wash drawing.)  
 2540. Cohanim Blessing the People. (Wash drawing.)  
 2541. A Jewish Wedding. (Wash drawing.)  
 2542. Confirmation, Temple Emanuel. (Wash drawing.)  
 2543. The Choir. (Wash drawing.)  
 2544. Class in Phonography. (Wash drawing.)  
 2545. Rock of Ages. (Black and white, oil.)  
 The above eleven drawings were lent by the Century Co., New York.  
 2546. The Printing Office. (Wash drawing.)  
 2547. The Carpenter Shop. (Wash drawing.)  
 Nos. 2546, 2547 lent by Charles Scribner's Sons, New York.  
 2548. Illustration for a Story. (Wash drawing.) (Lent by Ladies' Home Journal, Philadelphia.)  
 2549. The Morning Paper. (Wash drawing.) (Lent by W. M. Chase, New York.)  
 2550. A Study. (Wash drawing.) (Lent by C. C. Curran, New York.)  
 2551. A Mendicant. (Wash drawing.)  
 Woodbury, Charles Herbert, Boston.  
 2552. Market at Thun. (Pencil.)  
 2553. In Switzerland. (Pencil.)  
 2554. Rutch Lane. (Pencil.)  
 2555. Building at Hoven. (Pencil.)  
 2556. Thun Castle, from the River. (Pencil.)  
 2557. Cedar Tree, Beverly. (Pencil.)  
 Woodward, E., New Orleans.  
 2558. Pen Studies.  
 Woodward, J. D.  
 2559. A Pond Effect. (Black and white, oil.) (Lent by Charles Scribner's Sons, New York.)  
 Zogbaum, R. F.  
 2560. A Landing. The Advanced Skimmers. (Black and white.)  
 2561. Shore Drill. Pegging Away at an Imaginary Enemy. (Black and white.)  
 Nos. 2560, 2561 lent by Charles Scribner's Sons, New York.  
 2562. All Hands to Skylark! (Black and white.) (Lent by Harper & Bros., New York.)

## Architecture.

Selections from Groups 139, 140, 141, 142, 143.

144—Drawings hung in upper gallery.

Alcoves 149, 145, 146, 147, 149, 155.

Models in West Court.

Against Rotunda.

## Exhibit

No. Adler, Sullivan & Ramsey, St. Louis.

2534. Entrance to Union Trust Co. Building. (Pen.)

2534a. St. Nicholas Hotel, St. Louis. (Pen.)

2534b. Union Trust Co. Building, St. Louis. (Pen.)

Aldrich, Chester Holmes, New York.

2535. Well—S. Pietro in Vinculis. (Water color.)

2535a. Tomb—Museo Madonna di Gagini. Andrews, Robert D., Boston.

2536. Unexecuted design for a house for J. Montgomery Sears, Southboro, Mass. (Wash.) (Lent by Andrews, Jacques & Rantoul, Boston.)

See also Nos. 2414, 2415, 2506.

Ash, Percy, Philadelphia.

2537. Study for a country house. (Water color.)

2537a. Memorial chapel on a rocky coast. (Water color.)

Babb, Cook & Willard, New York.

2538. Competitive design for building to be erected for Manhattan Life Insurance Co. (Water color.)

2538a. Competitive design for office building, Newark, N. J. (Water color.)

2538b. Office building at St. Paul. (Water color.)

2538c. Portico of above building. (Photograph.)

2538d. Office building at Minneapolis. (Water color.)

2538e. Court in above building. (Photograph.)

2538f. Court in above building, showing stairway. (Photograph.)

2538g. New York Life Insurance Co. Building, Montreal. (Photograph.)

2538h. Clock tower for above building. (Photograph.)

Bare, H. Blomfield, Philadelphia.

2539. Oak altar table, seventeenth century.

Becker, A. H., St. Louis.

2540. Smoking room ceiling. (Water color.)

2540a. Design for drawing room ceiling. (Water color.)

Berg & Clark.

2541. Three houses, Manhattan Square, North, New York.

## Exhibit

No.

Bissegger, John J., Philadelphia.

2542. An Art Museum.

2542a. A Choric Monument.

Blaney, Dwight, Boston.

2543. The Cathedral at Chartres, France.

(Water color.)

2543a. The Arch of Titus, Rome.

Boggs, Edward T., Pittsburg.

2544. Design for a Choric Monument.

Boring, Tilton & Mellen, New York.

2545. Competitive design for Brooklyn Savings Bank. (Perspective.)

2545a. Carnegie Library, competitive drawing for. (Pen.)

Brown, A. Page, San Francisco.

2546. The California Building, W. C. E.

(Water color.)

Brunner & Tryon, New York.

2547. Main Entrance, Temple Beth-El. (Pen.)

2547a. Shrine for Temple Beth-El. (Water color.)

2548. Sattlein Building. (Water color.)

2549. Buildings to be erected for W. F. Havemeyer.

Burns, Charles M., Philadelphia.

2550. Design for a choir screen, of metal, constructed entirely in Philadelphia. (Water color.)

Bush-Brown, Mrs. M. Lesley, Newburgh.

2551. A fragment of the mural decoration for a music room. (Oil painting.)

See also No. 230.

2551a. Scheme for mural decoration for a music room.

Carrère & Hastings, New York.

Hotel Ponce de Leon, St. Augustine, Fla.

2552. Perspective of Fronts. (Water color by R. Blum.)

2553. Elevation. (Water color.)

2554. Plan, including Cascade and M. E. Church. (Water color.)

2555. Court. (Pen drawing.)

2557. Cathedral of St. John the Divine. perspective. (Pen drawing.)

2558. Main elevation of the same. (Pen drawing.)

2559. Longitudinal Section. (Pen drawing.)

2560. Ground plan. (Pen drawing.)

2561. Proposed Auditorium building. more—Elevation on Mt. Royal Avenue.

2562. Plan of main floor of the same. (Pen drawing.)

2563. Mail and Express office building—Fulton street elevation. (Photograph.)



## Architecture.

Exhibit  
No.

2607. Endicott Arcade—Construction—two views: (Photographs.)
2608. Three interior views, Endicott Arcade. (Photographs.)
2609. Façade of Endicott Building. (Photograph.)
- Green & Wicks, Buffalo.
2609. House for Mrs. C. H. Strong, Erie, Pa. (Wash.)
2610. Dining room for the same. (Water color.)
2611. Bank of Commerce, Buffalo. (Wash.)
2612. Market Arcade, Buffalo.
2613. House for Mrs. Geo. V. Foreman, Buffalo.
- Gregg, D. A., Boston.
2614. Equitable Building, Denver. (Pen drawing.) (Lent by Andrews, Jacques & Rantoul, Boston.)
2615. Equitable Building, Des Moines. (Pen drawing.) (Lent by Andrews, Jacques & Rantoul, Boston.)
- Griffin & Randall, New York.
- 2616a. Music Hall, Baltimore. Perspective view.
- 2616b. Music Hall, Baltimore. Longitudinal section.
- 2616c. Music Hall, Baltimore. Main floor.
- 2616d. Music Hall, Baltimore. Gallery floor.
- Hamlin, A. D., New York.
2616. Design for central pavilion of a palace. (Water color.)
- Hardenburg, H. J., Walter C. Hunting, and John C. Jacobsen, New York.
2617. American Fine Arts Society Building. (Pen drawing.)
- Hardenburg, H. J., New York.
2618. Waldorf Hotel. (Water color by Hughson Hawley.)
- Hays, Frank A., Philadelphia.
2619. Sketch for house near Upsal, Philadelphia. (Water color.)
2620. Sketch for a house. (Water color.)
2621. Old door, Clarkson street, New York. (Pen drawing.)
2622. Rear of Hamilton House, Philadelphia. (Pen drawing.)
2623. Entrance to St. Joseph's Church, Philadelphia, in the court yard. (Pen drawing.)
- Henri, Robert, Philadelphia.
2624. Christ entering Jerusalem. (Study for mural decoration, in oil colors.)
2625. Study in oil colors for mural decoration, Church of the Evangelist, Philadelphia.
- Herts, Henry B., New York.
2626. Columbian Arch, New York. (Water color.)

Exhibit  
No.

- Hewlett, J. M., New York.
2627. Museum—elevation.
- Hickman, Louis, Philadelphia.
2628. Hardware for a Clubhouse.
2629. Balcony on a Domestic Structure.
- Holabird & Roche, Chicago.
2630. Water tower at Fort Sheridan, Ill. (Water color by Paul C. Lautrop.)
2631. Old Colony Building, Chicago. (Water color by Louis Rasmussen.)
2632. Residence at Grand Rapids, Mich. (Water color by Paul Lautrop.)
- Hunt, R. M., New York.
- 2632a. Model of a part of the house of W. K. Vanderbilt. (Lent by the Metropolitan Museum of Art, New York.)
- Huss, George Martin, New York.
- 2633-2634. Two Sketches for Cathedral of St. John the Divine, N. Y. (Pen drawing by Charles Lorge.)
- Innen, Henry S., New York.
2635. Hoboken Quarters Club Hall. (Pen drawing.)
- Ittner, William B., St. Louis.
2636. Residence for Ellen J. L. Chase. (Pen drawing.)
2637. Study for a Stone Residence. (Water color.)
- Jackson, W. E., Philadelphia.
2638. A Country House, Claymont, Del. (Pen drawing.) (Lent by Mrs. J. B. Wilson, Claymont, Del.)
- Jamison, James P., Philadelphia.
2639. Club Front, Italian Renaissance. (Pen drawing.)
2640. Doorway and Window, Spanish Renaissance. (Pencil.)
- Kendall, Edward H., New York.
2641. Seventeen Story Building. (Water color by Hughson Hawley.)
- Kent, W. W., New York.
2642. Study for a Country House. (Water color.)
2643. Land View of House for Charles Sooy Smith, Green's Farms, Conn. (Pen drawing by W. A. Hewlett.)
2644. Summer Residence of John G. Moore, Grindstone Neck, Winter Harbor, Maine. (Pen drawing.)
2645. House at Lawrence Park, Brooklyn, N. Y. (Pen drawing by J. R. Kimball & Thompson, New York.)
- 2645a. Model of the Manhattan Life Insurance Co.'s Building.
- Klauder, Charles Z., Philadelphia.
2646. A Choragic Monument.
2647. Madison Square Garden. (Pencil sketch.)

## Architecture.

t Museum.  
front.  
ny.  
lenedict, Philadelphia.  
for cover of the Year Book  
Square Club, Philadelphia.  
r.)  
y, New York.  
ey school, New York City.  
h.)  
near Fire Insurance Building.  
City. (Photograph.)  
ph M., Paris.  
sketches of travel.  
t Sons, New York.  
opolitan Life Insurance Build-  
r color by Hughson Hawley.)  
minor, New York.  
orth; house for Mrs. S. M.  
reenwich, Conn. (Water color.)  
& Moore, Boston.  
for entrance front, Peabody  
drawing by G. P. Fernald.)  
r of dining-room. (Water  
P. Fernald.)  
lden & Harlow, Boston.  
ie Library and Music Hall,  
(Photograph.)  
ame, another view. (Photo-  
graph.)  
oor plan of the same.  
floor plan,  
ie office building, Pittsburg.  
) (Lent by Carnegie, Phipps  
burg.)  
all, Cambridge, Mass. (Photo-  
graph.)  
t Cambridge, Mass. (Photo-  
nt by E. H. Abbott, Camb-  
ridge.)  
ury, Tiffany Glass Co., New  
York.  
S., Boston.  
for Massachusetts state  
office building.  
& White, New York.  
ork state building, W. C. E.  
by F. Hoppin.)  
int monument. (Water color.)  
ton memorial arch, New  
York. (Water color.)  
litan Club house, New York  
r color.)  
re view of tower and roof  
lison Square Garden, New  
York. (Water color.)

- Exhibit  
No. 2673. Details of upper part of Madison  
Square Garden tower. (Pen drawing for  
the Architectural Review by Harold  
Magonigle.)  
2674. Arcade and central motif of the  
Madison avenue façade of Madison Square  
Garden. (Pen drawing for the Architect-  
ural Review, by Harold Magonigle.)  
(Lent by Bates, Kimball & Guild, Boston.)  
2674a. Pavilion and Colonade, Madison  
Square Garden.  
2675. Century Club entrance, New York.  
(Pen drawing for the Architectural Re-  
view by P. G. Culbertson. (Lent by  
Bates, Kimball & Guild, Boston.)  
2676. Perspective of Bates Hall, new public  
library building, Boston. (Pen drawing.)  
2677. Gate at Harvard College, Cambridge,  
Mass. (Pen drawing.)  
2678. Century Club building—the loggia.  
(Lent by Bates, Kimball & Guild, Boston.)  
2679. Detail. (Pen drawing for the Archi-  
tectural Review, by Harold Magonigle.)  
2680. The tower of Madison Square Gar-  
den. (Photograph.)  
2681. The Century Club building. (Photo-  
graph.)  
Munoz, A. C., Philadelphia.  
2682. Design for a bell-cote.  
Nash & Plympton, Cincinnati.  
2683. Cincinnati crematory. (Water color.)  
2684. Residence of Mrs. C. A. Plympton,  
Cincinnati. (Water color.) (Lent by  
Lucian F. Plympton, Cincinnati.)  
Natress, George, Philadelphia.  
2685. Interior of Brompton Oratory. (Water  
color.)  
2686. Remains of King Ina's Palace, Som-  
erset, England. (Water color.)  
Newton, George F., Boston.  
2687. Maison de la Vierge, (Housseau, 1369  
Vault), Angers, France.  
Parfitt Brothers, Brooklyn.  
2688. Design for Cathedral of St. John the  
Divine. (Water color.)  
2689. St. Augustine's R. C. Church, Brook-  
lyn. (Water color by Hughson Hawley.)  
Peabody & Stearns, Boston.  
2690. South porch of Machinery Hall, W.  
C. E. (Water color.)  
2691. Office sketches. (Water color.)  
Peabody, Stearns & Furber, St. Louis.  
2692. Three designs for a private resi-  
dence. (Water color.)  
Price, Bruce, New York.  
2693. Design for proposed Gas Industries  
Building, W. C. E. (Water color.)  
2694. Project for Sun Building, New York.  
(Water color.)

## Architecture.

## Exhibit

- No.  
2695. Perspective of Sun Building. (Water color.)  
2696. Residence of Addison Cammack, Tuxedo, N. Y. (Water Color.)  
Price, F. L. & W. L. Philadelphia.  
2697. Sketch for Library. (Water color.)  
2698. House for Monroe Smith. (Water color.)  
2699. Sketch for Stable for Hon. Alan Wood, Jr. (Pen drawing.)  
2700. Sketch of hall. (Water color.)  
Price, W. L., Philadelphia.  
2701. Sketch of a church tower near Pontoise, France. (Water color.)  
Reid, Robert, New York.  
2702. }  
2703. } Four drawings for the decoration of  
2704. } a dome.  
2705. }  
Ripley, H. G., Melrose.  
2706. Proposed buildings for Colorado College, Colorado Springs. (Lent by Andrews, Jacques & Rantoul, Boston.)  
Rixson, O. C., Chicago.  
Design for a Suburban residence.  
2707. General plan.  
2708. Longitudinal section.  
2709. Front elevation.  
2710. Side elevation.  
Robertson, R. H., New York.  
2711. Design for a country hotel. (Water color by J. N. Hutchinson.)  
Romeyn & Stever, New York.  
2712. Hotel at North Augusta, South Carolina. (Wash.)  
Rossiter & Wright, New York.  
2713. Home for S. B. Howes, Brewsters, N. Y.  
2714. The Emma S. Clark Memorial Library, Setauket, Long Island.  
Rotch, Arthur, Boston.  
2715. In the Alhambra. (Water color.)  
Rotch & Tilden, Boston.  
2715a. House in Washington. (Water color.)  
Schweinfurth, Julius A., Boston.  
2716. Competitive design: Building for the American Fine Arts Society, New York. (Water color.)  
2717. Study for a villa. (Water color.)  
2718. House in Roxbury, Mass., and design for a house in Brookline, Mass. (Water color.)  
Shepley, Rutan & Coolidge, Chicago.  
2719. Ames Building, Boston. (Water color.)  
2720. The Art Institute of Chicago.  
Smith, Joseph Lindon, Boston.  
2721. The Loggia, Ducal Palace, Venice. (Water color.)

## Exhibit

- No.  
2722. Marble relief by Pietro Lombardo in Santa Maria dei Miracoli, Venice. (Water color.)  
Sperry, Edward Peck, Tiffany Glass Co., New York.  
2723. Window. (Water color.)  
2724. Window for Potter Palmer. (Water color.)  
Stewardson, John, Philadelphia.  
2725. Sketches in Pistoja. (Water color.)  
Stone, Carpenter & Wilson, Providence, R. I.  
2726. Rhode Island State Building, W. C. E. (Pen drawing.)  
Stoughton, Arthur A.  
2727. Loggia, Hotel d' Ecoville, Caen. (Water color.)  
Sturgis & Cabot, Boston.  
2728. Mission Church of St. Augustine, Boston. (Water color.)  
2729. Doorway, Rexleigh School, Salem, New York. (Water color.)  
2730. Rexleigh School, Salem, New York. (Pen drawing.)  
Thouros, Henry, Philadelphia.  
Five cartoons for stained glass—on rolls—Nos. 2731-2735:  
2731. St. Barnabas; St. Paul; St. Peter; St. James the Greater.  
2732. Michael; The Advocate; Gabriel.  
2733. St. John Chrysostom and St. Basil, Doctors.  
2734. St. Luke and St. John.  
2735. Moses; David.  
2736. I Am the Life, the Light and the Way. (Water color.)  
2737. The Angelus. (Water color.)  
2738. Adoration, Praise, Thanksgiving. Love. (Water color.)  
2739. I will Draw all Things unto Myself. (Water color.)  
2740. An Evangelist. (Oil painting.)  
2741. Jubilate. (Water color.)  
2742. The Lord's Prayer. (Water color.)  
Tiffany, Louis C., New York.  
2743. Cartoon. (Lent by the Tiffany Glass and Decorating Co., New York.)  
2744. Window. (Water color.)  
Totten, Geo. D. Jr., New York.  
2745. Design for a Small Museum. (Water color.)  
Truscott, Arthur, Philadelphia.  
2746. A Memorial Tower. (Pen drawing.)  
2747. Balcony on a Domestic Structure. (Pen drawing.)  
2748. Front for an Office Building. (Pen drawing.)  
Tubby, William B., New York.  
2749. Brooklyn Savings Bank. (Water color by F. Hopkinson Smith.)

Exhibits of Private Collections.  
Architecture.

the Brooklyn Water Color Co. (Water color)  
Cohen, Covey, New York  
oyd, New York  
dential Mansion—New York  
ter color)  
lan of second floor  
New York  
Fourth Presbyterian Church. (Pen drawing by  
Adler & Sullivan  
New York  
Music Hall. (Photograph)  
Italian Renaissance  
island in a park  
island in a park  
Boston and Omaha  
ding, Omaha. (Water  
urch Boston. (Water  
Church, Omaha  
Lincoln, Nebraska  
clair, N. J. (Water  
y, Omaha. (Water  
of the Omaha Tele  
of the Omaha Tele  
Pens drawing  
church. (Pen drawing  
Boston  
seryatory of music  
riary. (Water color)  
nee of house at Troy  
se of S. A. Orr, Troy  
Troy Orphan Asylum  
roy Orphan Asylum

Exhibit

2776. Design for Troy Orphan Asylum. (Pen drawing.)  
2777. First floor plan of the same.  
2778. House for C. E. Patterson, Troy, N. Y. (Photograph.)  
2779. Main entrance to the same. (Photograph.)  
2780. Private entrance. (Photograph.)  
Welch, Alexander M.  
2781. Staircase in the Castle of Blois. (Pen drawing.)  
Wells, Edmund B., New York.  
2782. Competitive drawing for proposed A. T. A. S. building. Perspective of front. (Water color.)  
Wheelwright, Arthur W., Boston.  
2783. Suggestion for a school of fine arts for a university.  
2784. Plans of first and second stories and a section.  
Wheelwright, Edmund March, Boston.  
2785. Primary schoolhouse, Jamaica Plain. (Pen drawing by Charles D. Maginnis.)  
2786. New police station for Brighton district. (Pen drawing by Charles D. Maginnis.)  
2787. Robert Gould Shaw Grammar School, West Roxbury, Mass. (Pen drawing by Charles D. Maginnis.)  
2788. Perspective view of new City Hall for Boston. (Pen drawing by Charles D. Maginnis.)  
2789. Design for a new old State House. (Pen drawing by Charles D. Maginnis.)  
2790. Hospital for contagious diseases. (Pen drawing.)  
2791. Two views of house for E. C. Steedman, New Castle, N. H. (Photograph.)  
Wheelwright & Haven, Boston.  
2792. House of M. Ogden Jones, Wood's Holl. (Pen drawing.)  
2793. House of S. D. Warren, Boston. (Water color.)  
2794. Stable of W. F. Weld, Brookline, Mass. (Water color.)  
2795. Photograph of the same.  
2796. Inn at Islesboro. (Photograph.)  
Winslow & Wetherell, Boston.  
2797. Edison Electric Co. Building, Boston. (Pen drawing.)  
2798. Portland Station. (Pen drawing.)  
2799. Shreve, Crump & Low Building.  
2800. Residence of E. D. Jordan, Jr., Brookline, Mass.  
Winthrop, Agnes, Flushing, N. Y.  
2801. Window.  
Wood, William Halsey, Newark, N. J.

## Exhibits of Private Collections.

## Exhibit

- No. 2802. Design for Cathedral of St. John the Divine, selected as one of the four in the final competition, 1891. (Pen drawing.)

## GROUP 140.

## Exhibits of Private Collections.

## Retrospective Exhibit of American Painting.

## In Gallery 4.

- Allston, Washington, 1779-1843.  
 2802a. Paul and Silas in Prison. (Lent by St. Louis Museum of Fine Arts.)  
 2802b. Rosalie. (Lent by Nathan Appleton, Boston.)  
 2802c. Danaë and the Shower of Gold. (Lent by Thomas Donaldson, Philadelphia.)  
 Baker, George A., 1811-1880.  
 2803. Ideal Head. (Painted 1865.) (Lent by the Corcoran Gallery of Art, Washington, D. C.)  
 Bingham, George C., 1811-1879.  
 2804. Stump Speaking.  
 2804a. Election. (Painted 1854.)  
 2804b. Election Returns.  
 2804c. Jolly Flatboatmen.  
 Nos. 2804-2804c lent by the Mercantile Library Association, St. Louis, Mo.  
 Birch, Thomas, 1779-1851.  
 2805. Mid-ocean. (Lent by S. Emlen Meigs, Philadelphia.)  
 Bispham, Henry C., 1841-1882.  
 2806. French Cattle. (Lent by William Bispham.)  
 Blackburn, Jonathan B., temp. Smitbert.  
 2807. Portrait of Col. Jonathan Warner. (Painted 1761.) (Lent by the Museum of Fine Arts, Boston.)  
 Catlin, George, 1793-1875.  
 2808. Indians Lassoing Wild Horses in Northern Texas. (Painted 1833.) (Lent by Blaine Donaldson, Philadelphia.)  
 Cole, Joseph Foxcroft, 1837-  
 2809. Coast of Normandy Looking Toward Havre. (Lent by Mrs. S. D. Warren, Boston.)  
 Cole, Thomas, 1801-1848.  
 2810. The Tornado. (Painted 1851.) (Lent by the Corcoran Gallery of Art, Washington, D. C.)  
 2810a. Roman Aqueduct. (Lent by Henry S. Marquand, New York.)  
 Copley, John Singleton, 1738-1815.  
 2811. Portrait of Madam Boylston. (Lent by Harvard University, Cambridge, Mass.)  
 2811a. Portrait of Col. Epes Sargent. (Lent by Mrs. George H. Clements, Boston.)

## Exhibit

- No. Darrah, Mrs. Sophia Towne.  
 2812. On the Coast near New Bedford. (Lent by Mrs. Roland C. Lincoln, 281 Lincoln street, Boston.)  
 Doughty, Thomas M., 1793-1856.  
 2813. Twilight. (Painted 1814.) (Lent by George B. Wood, Philadelphia.)  
 2813a. Landscape. (Painted in Philadelphia, probably between 1810 and 1820.)  
 2813b. Landscape. (Lent by George, Frederick Kunz, New York.)  
 Durand, Asher Brown, 1796-1886.  
 2814. Landscape. (Lent by Gouverneur Kemble, New York.)  
 Eastman, Seth, 1808-1875.  
 2815. Ball Playing among the Sioux Indians. (Painted 1857.) (Lent by the Corcoran Gallery of Art, Washington, D. C.)  
 Eichholtz, Jacob, 1776-1841.  
 2816. The Key. (Lent by W. L. E. Heckewelder, Philadelphia.)  
 Elliott, Charles L., 1805-1866.  
 2817. Portrait of Col. Thomas McKean. (Lent by the Corcoran Gallery of Art, Washington, D. C.)  
 Field, Robert, 1807.  
 2817a. George Washington. (Lent by Louisa Lear Eyre, Philadelphia.)  
 2817b. John McKean. (Lent by John E. Younglove, Bowling Green, Ky.)  
 Fuller, George, 1822-1884.  
 2818. The Quadroon. (Lent by Mrs. S. D. Warren, Boston.)  
 2818a. Original Study for "The Quadroon Girl." (Painted in Boston.) (Lent by Thomas B. Clarke, New York.)  
 Fulton, Robert, 1765-1815.  
 2819. Portrait of Joel Barlow. (Lent by Peter T. Barlow, New York.)  
 Gifford, Sanford R., 1823-1880.  
 2820. Hunter's Mountain. (Lent by J. W. Pinchot, New York.)  
 Gignoux, Regis, 1810-1892.  
 2821. Market Scene. (Lent by the Century Association, New York.)  
 Gray, Henry Peter, 1810-1873.  
 2822. The Judgment of Paris. (Painted 1861.) (Lent by the Corcoran Gallery of Art, Washington, D. C.)  
 Hamilton, James, 1819-1879.  
 2823. Philae, on the Nile. (Painted in Philadelphia, 1892.) (Lent by Mary E. Donaldson, Philadelphia.)

Exhibits of Private Collections.

2828. Portrait of George Washington, 1792-1800. (Painted in 1858) (Lent by Chester B. Louis.)  
2829. M. M., 1824-1879. (Lent by Mrs. William M. M.)  
2830. Butterfly. (Lent by Richard New York.)  
2831. (Lent by Mrs. Roland Boston.)  
2832. Robert Fulton (Harriet Livermore's signature painted in London.) Robert Fulton Blight, Philadelphia, 1801-1846.  
2833. of a Lady. (Lent by R. Hunt Chicago.)  
2834. Beaumont, 1825-1877. (Lent by Thomas B. Clarke.)  
2835. Wesley, 1790-1830.  
2836. Campbell. (Painted by Mrs. M. M. Gouverneur, D. C.)  
2837. Fine Arts, Boston.)  
2838. John Grimé (Painted in 1824) (Lent by Anna, Louisville, Ky.)  
2839. (P., 1812-1822.)  
2840. (Lent by the Century New York.)  
2841. B., 1780-1800.  
2842. Mathias, a Seminole Chief. (Lent by Thomas Donald Philadelphia.)  
2843. (Lent by the Century New York.)  
2844. (Lent by the Century New York.)  
2845. (Lent by the Century New York.)  
2846. (Lent by the Century New York.)  
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2897. (Lent by the Century New York.)  
2898. (Lent by the Century New York.)  
2899. (Lent by the Century New York.)  
2900. (Lent by the Century New York.)

Exhibit

No. 1.  
McEntee, Jervis, 1828-1890.  
2895. Eastern Sky at Sunset. (Lent by Thomas B. Clarke, New York.)  
2895a. Shower of Gold. (Lent by S. D. Coykendall, Rondout, N. Y.)  
2895b. The Clouds. (Lent by S. D. Coykendall, Rondout, N. Y.)  
Mignot, Louis R., 1831-1870.  
2896. Chimborazo. (Lent by the Century Association, New York.)  
Mount, William Sidney, 1807-1868.  
2897. The Long Story. (Painted 1837.) (Lent by the Corcoran Gallery of Art, Washington, D. C.)  
2897a. The Power of Music. (Lent by the Century Association, New York.)  
Neagle, John, 1796-1865.  
2898. Rev. Joseph Pillmore. (Painted 1822.) (Lent by the St. George's Society, Philadelphia.)  
2898a. Portrait of Vice President Richard M. Johnson. (Lent by the Corcoran Gallery of Art, Washington, D. C.)  
Newton, Gilbert Stuart, 1797-1835.  
2899. The Fortunate Author—Illustrating Act 3, Scene 2, of Moliere's "Femmes Savantes." (Painted in London; 1822.) (Lent by Edward Newton Perkins, Jamaica Plain, Boston.)  
2899a. Portrait of the Artist. (Lent by Maria O. Dewing.)  
Page, William, 1811-1885.  
2899b. Portrait of Mrs. Page. (Lent by W. S. Page, Staten Island, New York.)  
2899c. Portrait of the Artist. (Lent by W. S. Page, Staten Island, New York.)  
Peale, Charles Willson, 1741-1827.  
2841. Angelica Peale. (Bust facing left.) (Lent by Clarence Winthrop Bowen, New York.)  
Peale, James, 1740-1831.  
2842. Portrait of John Morris. (Painted in Philadelphia, about 1815.) (Lent by Morris Sellers, Chicago.)  
Peale, Rembrandt, 1778-1860.  
2843. Portrait of Bernardin de St. Pierre. (Painted 1808.) (Lent by the Corcoran Gallery of Art, Washington, D. C.)  
Peele, John Thomas, 1824-1882.  
2844. Reception into Paradise. (Painted 1849.) (Lent by C. B. Hume, Chicago.)  
Pine, Robert Edge, 1732-1788.  
2845. David Garrick. (Painted in London, 1772.) (Lent by Charles Henry Hart, Philadelphia.)  
Quartley, Arthur, 1830-1886.  
2846. Summer Morning, Isles of Shoals. (Lent by the Union League Club, New York.)

Exhibit of Private Collections.  
Exhibits of Private Collections.Exhibit  
No.

Ramage, John, 1794.

2846a. George Washington. (Miniature, painted 1783.) (Lent by Mrs. M. S. Beach, Peekskill, N. Y.)

Robertson, Archibald, 1765-1835.

2846b. George Washington. (Miniature, painted from life, in the Presidential Mansion, 1791-2.) (Lent by Mrs. Charles W. Darling and Mrs. S. M. Mygatt, granddaughters of the artist, Utica, New York.)

2846c. Martha Washington. (Miniature, painted from life, in the Presidential Mansion, 1791-1792.) (Lent by Mrs. Charles W. Darling and Mrs. S. M. Mygatt, granddaughter of the artist.)

Robinson, Thomas, 1835-1888.

2847. Cattle Ploughing. (Lent by the Museum of Fine Arts, Boston.)

Savage, Edward, 1761-1817.

2848. Robert Morris. (Panel. Painted in Philadelphia 1790.) (Lent by Armine Nixon Hart, Rosemont, Montgomery Co., Pa.)

Shaw, Joshua, 1777-1860.

2849. Coast Scene. (Lent by Thomas Donaldson, Philadelphia.)

Smibert, John, 1684-1751.

2850. Bishop Berkeley and his family. (Painted at Whitehall 1729. Said to be the first painting containing more than one figure made in America. The lady with the child is Mrs. Berkeley; the second lady is Miss Handcock; the secretary is Mr. Dalton; the gentleman behind the ladies is Mr. John Moffatt; the one standing at the left is Mr. Smibert.) (Lent by Yale University, New Haven.)

Staigg, Richard M., 1817-1881.

2851. Portrait in miniature of Washington Allston. (Replica of portrait painted from life in 1841.) (Lent by Mrs. Richard M. Staigg, Boston.)

2851a. Portrait of a child. (Lent by William F. Matchett, Boston.)

Stanley, L. C.

2852. Trial of Red Jacket. (Lent by L. C. Stanley.)

Stuart, Gilbert, 1755-1828.

2853. Henry Nicols, of Baltimore. (Painted in Boston.) (Lent by Col. Thomas S. Rhett, Washington, D. C.)

2853a. Portrait of Col. John Tayloe. (Painted 1804.) (Lent by the Corcoran Gallery of Art, Washington, D. C.)

2853b. Portrait of Mrs. John A. Tayloe. (Painted 1804.) (Lent by the Corcoran Gallery of Art, Washington, D. C.)

Exhibit  
No.

2853c. Portrait of Counsellor Dunn. (Painted in America, 1795 or 1796.) (Lent by Martin Brimmer, Boston.)

2853d. George Washington. (Painted in Philadelphia, 1795.) (Lent by Charles Henry Hart, Philadelphia.)

2853e. Portrait of Robert Young of Virginia. (Lent by John Russel Pope, New York.)

2853f. Portrait of Mrs. Samuel Smith. (Lent by Dr. William Sturgis Bigelow, Boston.)

2853g. Benjamin Lincoln Lear. (Lent by Louisa Lear Eyre, Philadelphia.)

2853h. Richard Bibb, Russellville, Kentucky. (Painted in Philadelphia early in the present century.) (Lent by Miss F. B. Crittenden, Frankfort, Kentucky.)

Sully, Thomas, 1783-1872.

2854. Chief Justice John Marshall. (Painted in Richmond, Va., 1829 or 1830.) (Lent by Miss Fanny M. Cole, Culpeper, Va.)

Tilton, John Robin, 1833-1888.

2855. Venetian Fishing Boats. (Painted in Rome.) (Lent by the Corcoran Gallery of Art, Washington, D. C.)

Tooley, James, Jr.

2855a. Edward P. Mitchell. (Miniature, painted in St. Louis, about 1835.) (Lent by James T. Mitchell, Philadelphia.)

Trumbull, John, 1756-1845.

2856. Asher B. Durand. (Panel. Painted in New York, 1830.) (Lent by John Durand, Paris.)

Vanderlyn, John, 1775-1832.

2857. Portrait of James Monroe. (Painted 1816.) (Lent by Mrs. M. J. Goussier, Washington, D. C.)

Waldo, Samuel, 1781-1861.

2858. Portrait of G. W. Parkes. (Lent by the Corcoran Gallery of Art, Washington, D. C.)

Weir, Robert W., 1803-1880.

2859. Taking the Vell. (Painted at West Point, N. Y., 1863.) (Lent by Mrs. S. M. Weir, New York.)

Wertmüller, Adolph Ulric, 1750-1811.

2860. Danae. (Lent by Daniel Morgan Taylor, Springfield, Mass.)

West, Benjamin, 1738-1820.

2861. Portrait of the artist, as President of the Royal Academy. (Half length, seated, facing right. Painted in London.) (Lent by Clarence Winthrop Bowen, New York.)

2861a. Engraving from the above, by T. Holloway. (Lent by Clarence Winthrop Bowen, New York.)

2861b. Expulsion from Eden. (Lent by Thomas B. Clarke, New York.)

Exhibition of Private Collections.

Exhibit  
No.  
2873. Pastoral. (Lent from the collection  
of the late Mr. Jay Gould, New York.)  
Bonington, Richard P., 1801-1838, England.  
2874. Landscape. (Lent by Mr. R. Hall  
McCormick, Chicago.)  
Breton, Jules-Adolphe, Paris.  
2875. The Song of the Lark. (Lent by Mrs.  
Henry Field, Chicago.)  
2876. Colza-gatherers. (Lent by Mr. Collis  
P. Huntington, New York.)  
Carolus-Duran, Emile-Auguste, Paris.  
2877. An Odalisque. (Lent by Mr. William  
Buchanan, New York.)  
2878. Portrait of Madame Modjeska. (Lent  
by the Pennsylvania Academy of the  
Fine Arts, Philadelphia.)  
Cazin, Jean-Charles, Paris.  
2879. The Expulsion from Paradise. (Lent  
by Mr. Potter Palmer, Chicago.)  
2880. Elsinore, the Home of Hamlet. (Lent  
by Mr. Potter Palmer, Chicago.)  
2881. Flight into Egypt. (Lent by Mr.  
Potter Palmer, Chicago.)  
2882. Midnight. Moonlight. (Lent by  
Abbeyville, France.)  
Constable, John, 1776-1837, England.  
2883. Weymouth Bay. (Lent by Mr. Will-  
iam H. Fuller, New York.)  
2884. The Lock. (Lent by Mrs. Henry  
Field, Chicago.)  
2885. Shepherd and Flock. (Lent by  
Church in the distance. (Lent by Mr. R.  
Hart McCormick, Chicago.)  
Corot, Jean-Baptiste-Camille, 1797-1875,  
France.  
2886. The Flight from Sodom. (Lent by  
Mr. Henry O. Havemeyer, New York.)  
2887. Orpheus. (Lent by Mr. Potter Palmer,  
Chicago.)  
2888. Shrimp-fisher. (Lent by Mr. Potter  
Palmer, Chicago.)  
2889. Landscape. (Lent by Mr. Potter  
Palmer, Chicago.)  
2890. Dance of the Nymphs. (Lent by Mr.  
William H. Crocker, San Francisco.)  
2891. Evening. (Lent from the collection  
of the late Mr. Jay Gould, New York.)  
2892. The Path to the Village. (Lent by  
Mr. Charles T. Yerkes, Chicago.)  
2893. Environs of Ville d'Avray, France.  
(Lent by Mr. Charles T. Yerkes, Chicago.)  
2894. Landscape. (Lent by Mr. Gardner  
Hubbard, Washington, D. C.)  
2895. Old Man Seated on Corot's Trunk.  
(Lent by Dr. Henry E. Angell, Boston.)  
2896. Evening. (Lent by Mr. Alfred  
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2896. Evening. (Lent by Mr. Alfred  
Corning Clark, New York.)

## Exhibits of Private Collections.

- Exhibit No.**  
 2897. The Inn. (Lent by Mr. Martin A. Ryerson, Chicago.)  
 Courbet, Gustave, 1819-1877, France.  
 2898. Dogs and Hare. (Lent by Henry O. Havemeyer, New York.)  
 Couture, Thomas, 1815-1879, France.  
 2899. Portrait of Madame Couture. (Lent by the Museum of Fine Arts, Boston.)  
 Dagnan-Bouveret, Pascal-Adolphe-Jean, Paris.  
 2900. La Bernoise. (Lent by Mr. John G. Johnson, Philadelphia.)  
 2901. Brittany Peasant Girl. (Lent by Mr. J. H. Wade, Cleveland.)  
 Daubigny, Charles-Francois, 1817-1878, France.  
 2902. The Cooper's Shop. (Lent by Mr. Francis Bartlett, Boston.)  
 2903. Banks of the Oise, Auvers-Sur-Oise, France. (Lent by Mr. Charles T. Yerkes, Chicago.)  
 2904. Coast near Dieppe. (Lent by Mr. Alfred Corning Clark, New York.)  
 Decamps, Alexandre-Gabriel, 1803-1860, France.  
 2905. Oriental Kiosk. (Lent by Mr. Martin A. Ryerson, Chicago.)  
 Degas, Paris.  
 2906. The Dancing Lesson. (Lent by Mr. Alexander J. Cassatt, Philadelphia.)  
 2907. Race Horses. (Lent by Mr. Albert Spencer, New York.)  
 Delacroix, Ferdinand-Victor-Eugène, 1798-1863, France.  
 2908. Christ at the Tomb. (Lent by Mr. Alfred Corning Clark, New York.)  
 2909. Tiger Quenching his Thirst. (Lent by Mr. Alfred Corning Clark, New York.)  
 2910. Turks Abducting a Girl. (Lent by Mr. William H. Crocker, San Francisco.)  
 Detaille, Edouard, Paris.  
 2911. Flag of Truce. (Lent by Mr. E. Burgess Warren, Philadelphia.)  
 Diaz de la Peña, Narcisse-Virgile, 1808-1876, France.  
 2912. La Danse des Almées. (Lent by Mr. John G. Johnson, Philadelphia.)  
 2913. The Descent of the Bohemians. (Lent by Mrs. S. D. Warren, Boston.)  
 2914. Turkish Women. (Lent by Mr. D. M. Ferry, Detroit.)  
 Dupré, Jules, 1812-1889, France.  
 2915. The Pool. (Lent by Mr. E. Burgess Warren, Philadelphia.)  
 2916. The Open Sea. (Lent by Mr. William H. Fuller, New York.)  
 2917. At Sea. (Lent by Mr. Charles T. Yerkes, Chicago.)
- Exhibit No.**  
 Fantin-Latour, Henri, Paris.  
 2918. Vision of Tanhäuser. (Lent by Mr. J. H. Wade, Cleveland.)  
 Fortuny, Mariano, 1838-1874, Spain.  
 2919. Beach at Portici, Italy. (Lent by Mrs. Prescott Hall Butler, New York.)  
 Francais, Francois-Louis, Paris.  
 2920. Sun Breaking Through the Mist. (Lent by Mr. William Buchanan, New York.)  
 Fromentin, Eugène, 1826-1876, France.  
 2921. The Falconer. (Lent by Mr. D. W. Powers, Rochester.)  
 2922. Women of Sahara. (Lent by Mr. Henry Field, Chicago.)  
 Gericault, J. L. A., Theodore, 1791-1804, France.  
 2923. Study of a Cuirassier. (Lent by the Museum of Fine Arts, Boston.)  
 Gerome, Jean-Leon, Paris.  
 2924. L'Eminence Grise. (Lent by Mrs. S. D. Warren, Boston.)  
 2925. Le Montreur de Serpents. (Lent by Mr. Alfred Corning Clark, New York.)  
 2926. Pygmalion and Galatea. (Marble group.) (Lent by Mr. Charles T. Yerkes, Chicago.)  
 Greuze, Jean-Baptiste, 1725-1805, France.  
 2926. The Pouting Child. (Lent by Mr. Martin A. Ryerson, Chicago.)  
 Hellen, Paris.  
 2927. Interior of Saint Denis Cathedral showing effect of light through Stained Glass Windows. (Lent by Mrs. John L. Gardner, Boston.)  
 Ingres, Jean-Auguste-Dominique, 1780-1867, France.  
 2928. The Cardinal Bibbiena Introducing Raphael and his Niece. (Lent by Mrs. S. D. Warren, Boston.)  
 Isabey, Eugène, 1804-1886, France.  
 2929. A Fête at the Hotel de Rambouillet. (Lent by Mr. Samuel M. Nickerson, Chicago.)  
 Israels, Josef, Amsterdam.  
 2930. A Frugal Meal. (Lent by Mr. Charles T. Yerkes, Chicago.)  
 Knaus, Ludwig, Berlin.  
 2931. A Country Festival. (Lent by Mr. Charles T. Yerkes, Chicago.)  
 2932. The Potato Harvest. (Lent by Mr. Henry Field, Chicago.)  
 Lefebvre, Jules-Joseph, Paris.  
 2933. La Cigale. (Lent by the St. L. Museum of Fine Arts.)  
 Leys, Hendrik, Baron, 1815-1896, Holland.  
 2934. The Book Stall. (Lent by Mr. Charles T. Yerkes, Chicago.)

Exhibits of Private Collections.

**Auguste, Paris.**  
**men on the Banks of the**  
 by Mr. E. Burgess, War-  
 ia.)  
 1833-1883, France.  
 Lent by Mr. Frank Thom-  
 ia.)  
 ador. (Lent by Mr. James  
 York.)  
 Lent by Mr. Alexander J.  
 elphia.)  
**The Hague.**  
 Holland. (Lent by Mr.  
 n, Philadelphia.)  
 1838-1888, Holland.  
 k. (Lent by Mr. Joseph  
 York.)  
 -Louis-Ernest, 1813-1891,  
 r Poissy. (Lent by Mr.  
 n, Philadelphia.)  
 sance. (Lent by Mr. Chas.  
 cago.)  
 1733-1843, France.  
 eman. (Lent by Mr. Will-  
 New York.)  
 Montmartre, Paris. (Lent  
 n H. Fuller, New York.)  
**asco Paolo, Naples.**  
 e and Love. (Lent by Mr.  
 ger, Chicago.)  
**cois, 1814-1875, France.**  
 o Shearers. (Lent by Mr.  
 es, Boston.)  
 Bath. (Lent by Mr. Al-  
 Clark, New York.)  
 ners. (Lent by Mr. Al-  
 Clark, New York.)  
 naker. (Lent by Mrs. Al-  
 Clark, New York.)  
 illers. (Lent by Mr. Charles  
 cago.)  
 with the Hoe. (Lent by  
 Crocker, San Francisco.)  
 ess. (Lent by the Museum  
 Boston.)  
 Carrying a New-born Calf.  
 Henry Field, Chicago.)  
**Paris.**  
 Fog. (Lent by Mr. Albert  
 York.)  
 the Coast of the North Sea.  
 (Lent by Mr. Albert Spencer, New York.)  
 f Havre.  
 Frank Thomson, Philadel-  
 phia.)  
 pe. (Lent by Mr. Alexander  
 Philadelphia.)

Exhibit  
 No.  
**Monticelli, Adolphe, 1814-1886, France.**  
 2958. Nymphs Bathing. (Lent by Dr.  
 Henry C. Angell, Boston.)  
**Morland, George, 1763-1804, England.**  
 2959. Contentment. (Lent by Mr. R. Hall  
 McCormick, Chicago.)  
**Neuville, Alphonse-Marie de, 1836-1887,  
 France.**  
 2960. The Spy. (Lent by Collis P. Hunt-  
 ington, New York.)  
**Pissaro, Camille, Paris.**  
 2961. The Village. (Lent by Mr. Potter  
 Palmer, Chicago.)  
 2962. Summer. (Lent by Mr. Frank Thom-  
 son, Philadelphia.)  
 2963. Spring. (Lent by Mr. Alexander J.  
 Cassatt, Philadelphia.)  
**Puvis de Chavannes, Pierre, Paris.**  
 2964. Summer. (Lent by Mr. J. H. Wade,  
 Cleveland.)  
 2965. Autumn. (Lent by Mr. Martin A.  
 Ryerson, Chicago.)  
**Raffaelli, Jean-Francois, Paris.**  
 2966. Absinthe Drinkers. (Lent by Mr.  
 Potter Palmer, Chicago.)  
 2967. On the Coast. (Lent by Mr. Potter  
 Palmer, Chicago.)  
 2968. Place de la Trinite, Paris. (Lent by  
 Mr. Potter Palmer, Chicago.)  
**Regnault, Henri, 1843-1871, France.**  
 2969. In the Pyrenees. (Lent by Mr. John  
 G. Johnson, Philadelphia.)  
**Renoir, A., Paris.**  
 2970. In the Garden. (Lent by Mr. Albert  
 Spencer, New York.)  
**Ribot, Theodule, Augustin, 1823-1891,  
 France.**  
 2970a. The Young Politician. (Lent by Mr.  
 John T. Davis, St. Louis.)  
**Rousseau, Theodore, 1812-1867, France.**  
 2971. Landscape in Berry, France. (Lent  
 by Mr. Charles T. Yerkes, Chicago.)  
 2972. Near Barbizon. (Lent by Dr. Henry  
 C. Angell, Boston.)  
 2973. View on the Seine. (Lent from the  
 collection of the late Mr. Jay Gould, New  
 York.)  
 2974. A Lone Tree—Autumn. (Lent by Mr.  
 Frank Hill Smith, New York.)  
**Sisley, Alfred, Paris.**  
 2975. Village Street, Moret, France. (Lent  
 by Mr. Potter Palmer, Chicago.)  
**Swan, John M., London.**  
 2976. The Approaching Combat. (Lent by  
 Mr. John G. Johnson, Philadelphia.)  
 2977. Two Tigers. (Lent by Mr. John G.  
 Johnson, Philadelphia.)  
 2978. Lioness and Cubs. (Lent by Mr. Will-  
 iam L. Elkins, Philadelphia.)

## Exhibits of Private Collections.

## Exhibit

No.

Tassaert, Nicolas-Francois-Octave, 1800-1874, France.

2979. Saint Hilarion. (Lent by Mr. Potter Palmer, Chicago.)

Thompson, Harry, Paris.

2980. The Shepherdess. (Lent by the St. Louis Museum of Fine Arts.)

Troyon, Constant, 1810-1865, France.

2981. A Drove of Cattle and Sheep. (Lent by Mr. Cornelius Vanderbilt, New York.)

2982. White Cow and Sheep. (Lent by Mr. Julius Stroh, Detroit.)

2983. Going Home. (Lent by Mrs. Henry Field, Chicago.)

2984. The Surf. (Lent by Mr. Gari Melchers.)

Uhde, Fritz von, Munich.

2985. A Sewing Bee in Holland. (Lent by Mr. L. Crist Delmonico, New York.)

## Exhibit

No.

Van Beers, Jan, Brussels.

2986. "You Are Welcome." Charles T. Yerkes, Chicago.

Watts, George Frederick,

2987. Portrait of Joachim (Lent by Mr. Charles L. Fargo.)

Zorn, Anders L., Stockholm.

2988. Interior of a Brew (Lent by Mr. Potter Palmer)

Rodin, Auguste, Paris.

2989. Francesca and Paolo

2990. Francesca and Paolo

From the "Gates of Hell" by the French Government of Decorative

2991. Andromeda.

Nos. 2989-2991 Sargent, New York

PROFES  
FR  
WIC

# AUSTRIA.

Imperial-Royal Commissioner General,  
**VON PALITSCHKE-PALMFORST, LL. D.**  
 6030 Edgerton Avenue.

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**FRANK ROTH, ARCHITECT.**  
**WALZ, IMPERIAL COUNSELLOR.**

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**RECHTSANWALT VON MEYER.**  
**HANS H. MEYER.**  
**EDWARD FLEISCH.**

brunn.

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Mr. M.

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or Fine Arts.

TEMPLE.

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MEYER

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West Court.)

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 12-1874. (Lent by  
 ror.)  
 Salzburg.

Salzburg.

by His Highness Prince  
 Anna.  
 he Forest. (Lent by Mr.  
 Anna.)  
 at Szolnok, Hungary.  
 hall : Field, Chicago.)

## Exhibits of Private Collections.

Exhibit  
No.**Tassaert, Nicolas-Francois-Octave, 1800-1874, France.****2979.** Saint Hilarion. (Lent by Mr. Potter Palmer, Chicago.)**Thompson, Harry, Paris.****2980.** The Shepherdess. (Lent by the St. Louis Museum of Fine Arts.)**Troyon, Constant, 1810-1865, France.****2981.** A Drove of Cattle and Sheep. (Lent by Mr. Cornelius Vanderbilt, New York.)**2982.** White Cow and Sheep. (Lent by Mr. Julius Stroh, Detroit.)**2983.** Going Home. (Lent by Mrs. Henry Field, Chicago.)**2984.** The Surf. (Lent by Mr. Gari Melchers.)**Uhde, Fritz von, Munich.****2985.** A Sewing Bee in Holland. (Lent by Mr. L. Crist Delmonico, New York.)Exhibit  
No.**Van Beers, Jan, Brussels.****2986.** "You Are Welcome." (Lent by Mr. Charles T. Yerkes, Chicago.)**Watts, George Frederick, London.****2987.** Portrait of Joachim—Candle-light. (Lent by Mr. Charles L. Hutchinson, Chicago.)**Zorn, Anders L., Stockholm.****2988.** Interior of a Brewery in Stockholm. (Lent by Mr. Potter Palmer, Chicago.)**Rodin, Auguste, Paris.****2989.** Francesca and Paolo. (Marble group)**2990.** Francesca and Paolo. (Marble group) From the "Gates of Hell." Commissioned by the French Government for the Museum of Decorative Arts.**2991.** Andromeda. (Marble.) Nos. 2989-2991 lent by Mr. Henry Sargent, New York.

# AUSTRIA.

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Imperial-Royal Commissioner General,  
ON. ANTON VON PALITSCHER-PALMFORST, LL. D.  
6030 Edgerton Avenue.

---

## JURY OF ADMISSION:

President, PROFESSOR FRENKWALD.  
Vice-President, FRANK ROTH, ARCHITECT.  
Secretary, CARL WALZ, IMPERIAL COUNSELLOR.

## MEMBERS:

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RFF,	HANS TEMPLE,
A. UNGER,	EDWARD ZETSCHÉ.

Delegate for Fine Arts,

HANS TEMPLE,

6030 Edgerton Avenue.

---

Manager,

CHARLES SEDELMAYER

PARIS,

Represented at the Exposition by

JOSEPH SCHNELL,

(At desk at entrance of Gallery 35, West Court.)

## AUSTRIA.

## Sculpture, Paintings in Oil.

Exhibit  
No.

## GROUP 139.

## Sculpture.

Breneck, Anton, Vienna.

1. Richard Wagner. (Bronze relief.)

Charlemont, Theodor, Vienna.

2. Boy Beggar.

Jarl, Otto, Vienna.

3. The Creeping Tiger.

Kaan, Arthur, Vienna.

4. Old Man. (Terra Cotta.)

Mysalbeck, Josef V., Prague.

5. "Graf Franz Thun-Hohenstein."

Schwarz, Stefan, Vienna.

6. Fauns with Geese. (Two groups.)

7. Heracles in the Nessus Garment.

8. Boy with Snake.

9. Mozart.

Tilgner, Victor, Vienna.

10. His Majesty the Emperor of Austria.  
(Zinc bust.)

11. Jos. R. v. Fuehrich. (Bronze bust.)

Weigl, Robert, Vienna.

12. Beethoven.

13. Mozart.

14. Old Vienna Waltz.

## GROUP 140.

## Paintings in Oil.

Angeli, Heinrich von, Vienna.

15. Portrait of Stanley.

16. Portrait of Architect Schmidt. (Lent  
by the Academy of Fine Arts, Vienna.)

Ameseder, Eduard, Vienna.

17. Narenta River at Mostar.

18. Evening.

Bacher, Rudolf, Vienna.

19. Mater Dolorosa. (Lent by His Majesty,  
the Emperor.)

20. Ave Maria.

Bernatzik, Wilhelm, Vienna.

21. The Vision of Saint Bernard.

Blaas, Eugen von, Venice.

22. The Good Brother.

Exhibit  
No.

Blaas, Julius von, Vienna.

23. Horse Market in Hungary.

Blau, Tina, Munich.

24. Fallen Giant.

Braidwiser, Theodor, Vienna.

25. Short Rest.

Brozik, Vacslav, Paris.

26. The Historical "Fenstersturz" at Prague.

A deputation of Bohemian Protestants.

May 23, 1678 throwing from the window

the Emperor's counselors, who refused to

comply with their demand for a discon-

tinuance of the violation of the privileges

of their sect—an incident of the outbreak

of "The Thirty Years War."

27. The First Communion of the Hussites.

Burnaud, Eugene, Veytaux-Chillon.

28. The Children's Theatre.

28a. The Duo.

Canon, Hans, Vienna.

29. The Master of the Hounds. (Lent by  
His Excellency, Count Wilczek, Vienna.)

Charlemont, Edward, Paris.

29a. Planning the Campaign. (Lent by Mr.  
P. C. Hanford, Chicago.)29b. The Pages. (Lent by Mr. C. T.  
Yerkes, Chicago.)

29c. The Geographer.

29d. The Artist in his Studio.

Charlemont, Hugo, Vienna.

30. Still Life. (Lent by the Patriotic Art  
Society, Prague.)

31. In the Kitchen.

Defregger, Franz von, Munich.

32. Children Playing with a Dog. (Lent by  
His Highness, Prince Liechtenstein, Vienna.)33. "God Bless You!" (Lent by Mr. L.  
Lobmeyr, Vienna.)

Deutsch, Ludwig, Paris.

34. The Holy Gate in Cairo.

35. The Eunuchs.

Ditscheiner, Adolph, Munich.

36. Spring.

Engelhart, Josef, Vienna.

37. The Curpark at Baden, near Vienna.

## Paintings in Oil.

lph, Paris.  
 of Sultan Selim.  
 dwig H., Vienna.  
 ya Scenery.  
 Camilla, Vienna.  
 e.  
 f, Vienna.  
 ures in the Lottery. (Lent by  
 y, the Emperor.)  
 y is Another's Sorrow.  
 mstresses.  
 , 43 lent by His Highness,  
 chtenstein, Vienna.  
 it to the Laundry. (Lent by  
 yr, Vienna.)  
 ig, Moedling.  
 aquarian.  
 nder D., Vienna.  
 nd the Women. (Lent by the  
 f the Fine Arts, Vienna.)  
 Girl at Constantinople.  
 nn, Vienna.  
 ce-throwers. (Lent by Mr. M.  
 na.)  
 Vienna.  
 mill in the Eschern Valley.  
 f, Vienna.  
 eus.  
 ; Procession.  
 heo. v., Znaim.  
 nting Mushroomrooms.  
 sef, Znaim.  
 gone Days.  
 cslav, Prague.  
 ' Rebellion in Bohemia.  
 ph, Vienna.  
 Vashington.  
 Cows. (Lent by His Majesty,  
 r.)  
 Paris.  
 Scenery. (Lent by His High-  
 Liechtenstein, Vienna.)  
 the Seine.  
 ndscape.  
 ar Falkenbourgh, Holland.  
 r. A. A. Sprague, Chicago.)  
 Pasture.  
 e.  
 e.  
 Vienna.  
 en in Vienna. (Lent by His  
 Emperor.)  
 i, Vienna.  
 screet Friend.  
 dor, Vienna.  
 ot Proof against Folly." (Lent  
 fayr, Vienna.)  
 es, Rome.  
 al Siren.

Exhibit  
No.

64. Fight of Tritons.. (Lent by the Acad-  
emy of Fine Arts, Vienna.)
- Kinzel, Josef, Vienna.
65. A Dude in the Country. (Lent by His  
Majesty, the Emperor.)
- Kurzbauer, Edward, Rome.
66. The Fortune Teller. (Lent by Mr. L.  
Lobmeyr, Vienna.)
- Lang-Laris, Hermine, Vienna.
67. Still Life.
- Lebiedzki, Eduard, Vienna.
68. The Kiss.
- Lichtenfels, Ed. v., Vienna.
69. Gulf of Quarnero. (Lent by His Maj-  
esty the Emperor.)
- Makart, Hans, Vienna.
- The Five Senses.
70. Smelling.
71. Tasting.
72. Sight.
73. Feeling.
74. Hearing.
75. The Falconer.
- Moll, Karl, Vienna.
76. The Roman Ruins in Schoenbrunn.  
(Lent by His Majesty the Emperor.)
- Mueller, Anton, Vienna.
77. The Bird's Friend. (Lent by Mr. M.  
Mayr, Vienna.)
- Mueller, Leopold C., Vienna.
78. Market Place in Cairo. (Lent by the  
Academy of Fine Arts, Vienna.)
- Munkaczy, M. de, Paris.
- 78a. The Story of the Hero.
- Nadler, Robert, Buda-Pesth.
79. The Duet.
- Nowak, Ernst, Vienna.
80. Tribute to the Monastery. (Lent by  
Mr. M. Mayr, Vienna.)
- Obermüller, Adolf, Vienna.
81. Mountain Brook Torrent.
- Payer, Julius von, Salzburg.
82. Never Back! Episode of the Austro-  
Hungarian Arctic Voyage under Wey-  
precht and Payer, 1872-1874. (Lent by  
His Majesty the Emperor.)
- Pausinger, Franz von, Salzburg.
83. Autumn Evening.
84. Late Autumn.
- Pettenkofen, Aug. von, Salzburg.
85. Gipsy at the Hearth
86. Market.
87. Farmhouse.
- Nos. 85-77 lent by His Highness Prince  
Liechtenstein, Vienna.
88. Gipsy Hut in the Forest. (Lent by M.  
L. Lobmeyr, Vienna.)
- 88a. Market Day at Szolnok, Hungary.  
(Lent by Marshall Field, Chicago.)

## Paintings in Oil and Water Colors, On Ivory, Enamel, Metal, Porcelain, Engravings.

## Exhibit

- No.  
**Probst, Carl, Salzburg.**  
 89. The Consultation.  
**Ribarz, Rudolf, Salzburg.**  
 90. Decorative panel for a Dining-room.  
 91. Decorative panel for a Dining-room.  
**Roehrer, Lina, Munich.**  
 92. At the Game Dealer's.  
**Ruben, Franz, Vienna.**  
 93. Autumn Day on the Lido.  
 94. From Romantic Times.  
**Rumpler, Franz, Vienna.**  
 95. Girl From Bohemia.  
**Russ, Robert, Vienna.**  
 96. Early Spring. (Lent by the Academy of Fine Arts, Vienna.)  
**Schmid, Julius, Vienna.**  
 97. "Suffer Little Children to Come unto Me."  
**Schmid, Mathias, Munich.**  
 98. The Edelweiss Plucker.  
**Schindler, Jac. E., Vienna.**  
 99. Saw-mill in Oberweissenbach. (Lent by His Majesty the Emperor.)  
 100. View of Ragusa.  
 101. Peace. (Lent by His Majesty the Emperor.)  
**Schroedl, Anton, Vienna.**  
 102. Flock of Sheep in Hungary.  
**Schwaiger, Hans, Prague.**  
 103. Bohemian Peasant.  
 104. Bohemian Peasant Woman.  
**Seligmann, Adal, Vienna.**  
 105. The Holy Family.  
 106. Prof. Billroth's Clinic.  
**Simm, Franz, Munich.**  
 107. Duet.  
 108. Indian Summer. (Lent by His Majesty the Emperor.)  
**Stein, Alwyn v., Vienna.**  
 109. Un Soldo, Signore.  
**Strecker, Emil, Vienna.**  
 110. Before the Holidays.  
**Temple, Hans, Vienna.**  
 111. Portrait of William Unger.  
 111a. Portrait of Mr. A. A.  
 111b. Portrait of Mr. P.  
**Thoren, Otto v., Paris.**  
 112. A Wolf! (Lent by the Academy of Fine Arts, Vienna.)  
**Wertheimer, Gustav, Paris.**  
 113. The Vision.  
**Wiesinger, Florian O., Vienna.**  
 114. Morning at the Shore.  
 115. Feeding the Pigs.  
 116. Washerwoman in the Mountain. (Lent by His Majesty the Emperor.)  
**Zetsche, Edward, Vienna.**  
 117. View in Weissenkirchen.

## Exhibit

- No.  
**Zewy, Carl, Vienna.**  
 118. Home Again.

## GROUP 141.

## Paintings in Water Colors.

- Alt, Rudolph, Vienna.**  
 119. Fountain at Trient.  
 120. Interior of Saint Mark's, at Venice.  
 Nos. 119, 120 lent by His Majesty the Emperor.  
 121. Belvedere at Prague.  
 122. The Old Ducal Castle at Bruck a-M.  
 123. Interior of the Presbytery of the Saint Stephen Church at Vienna.  
 124. Portico in the Wallenstein Palace at Prague.  
 Nos. 121-124 lent by the Library of the Academy of Fine Arts, Vienna.  
 125. Belvedere at Vienna.  
 126. Castle Taufers in Tyrol.  
 127. Church at Innsbruck.  
 Nos. 126, 127 lent by the Library of the Academy of Fine Arts, Vienna.  
**Fischer, Ludwig H., Vienna.**  
 128. The Chunsun Temple at Karnak.  
 129. The Grand Temple at Karnak.  
 130. The Bay of Cattaro.  
**Hoffmann, Josef, Znaim.**  
 131. Payerbach.  
**Muench-Bellinghausen, Constanze, Pola.**  
 132. Chestnut Blossoms.  
 133. Roses.  
**Tomec, Heinrich, Vienna.**  
 134. Salzkammergut.  
 135. Church at St. Wolfgang.  
**Zetsche, Eduard, Vienna.**  
 136. Town-gate at Sulzfeld a-M.  
 137. Tower at Sulzfeld a-M.

## GROUP 142.

## Paintings on Ivory, on Enamel, on Metal, on Porcelain or other Wares; Fresco Painting on Walls.

- Siber, A., Hall (Tyrol).**  
 137a. Ride of the Walkures. (Cartoon in sepi.)

## GROUP 143.

## Engravings and Etchings: Prints.

- Jasper, Victor, Vienna.**  
 138. The Holy Trinity (after Duerer).  
**Michalek, Ludwig, Vienna.**  
 139. Josef Haydn. (Original Etching.)  
 140. Ludwig von Beethoven. (Original Etching.)

## Engravings and Etchings, Prints.

of His Majesty the Emperor  
Vienna.  
of Rembrandt. (After Rem-  
of Rubens' Sons. (After Rub-  
of Heythuysen. (After F.  
Vienna.  
Christ. (After G. Max.)

Exhibit  
No.

## GROUP 144.

Wagner, Otto, Vienna.  
146. Three studies for the Cathedral in  
Berlin. (Pen drawings.)

## GROUP 145.

Scharff, A., Vienna.  
147. Medallions and reliefs.

1. The first part of the report is a general introduction to the subject of the study. It discusses the importance of the study and the objectives of the research. It also mentions the scope of the study and the limitations of the study.

2. The second part of the report is a detailed description of the methodology used in the study. It discusses the data sources, the data collection methods, and the data analysis methods. It also mentions the reliability and validity of the study.

3. The third part of the report is a detailed description of the results of the study. It discusses the findings of the study and the conclusions drawn from the study. It also mentions the implications of the study and the recommendations for future research.

4. The fourth part of the report is a detailed description of the conclusions of the study. It discusses the findings of the study and the conclusions drawn from the study. It also mentions the implications of the study and the recommendations for future research.

5. The fifth part of the report is a detailed description of the conclusions of the study. It discusses the findings of the study and the conclusions drawn from the study. It also mentions the implications of the study and the recommendations for future research.

# BELGIUM.

President of the Commission,  
**ASTÈRE VERCRUYSE**, Senator,  
 Victoria Hotel.

President of the Committee on Fine Arts,  
**ERNEST SLINGENEYER**,  
 Brussels.

Delegate for Fine Arts,  
**MICHAEL STRAUS**,  
 Chicago.

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<b>JECHT DE VRIENDT,</b>	<b>ISIDORE MEYERS.</b>
<b>ARD FARASYN,</b>	<b>ADRIEN LE MAYEUR.</b>
<b>IZ VAN KUYCK,</b>	<b>ISIDORE VERHEYDEN.</b>

### SCULPTURE.

**HENRY STACQUET.**  
**ALBERT DESENFANS,**  
**ALBERT HAMBRESIN,**  
**HIPPOLITE LE ROY,**  
**CONSTANTIN MEUNIER.**

### ENGRAVING.

**GUSTAVE BIOT,** **LOUIS LENAIN.**

Information regarding works for sale may be obtained at the Office of the  
 Belgian Fine Arts Section, Gallery 67, West Pavilion.

# BELGIUM

## Sculpture, Paintings in Oil.

Exhibit  
No.

### GROUP 139.

#### Sculpture.

- Braecke, Pierre, Brussels.**  
1. Deserted. (Statuette, bronze.)  
**Charlier, Guillaume, Brussels.**  
2. Girl. (Bust, marble.)  
3. Lina. (Bust, marble.)  
4. Turkey. (Bronze.)  
**DeKeyser, Jean Baptiste, Brussels.**  
5. St. Cecilia, Singing. (Marble bust.)  
**De Mathelin, Maurice, Liège.**  
6. Woman Collier. (Bronze statuette, from *cire perdue*.)  
**Des Enfants, Albert, Brussels.**  
7. After the Walk. (Statuette, marble.)  
8. Manon Lescaut. (Bust, marble.)  
9. La Nique. (Statuette, bronze.)  
**De Tombay, Alphonse, Brussels.**  
10. Knight of the Middle Ages. (Bronze.)  
11. Goose Girl. (Bronze.)  
12. Neapolitan Improvisator. (Bronze.)  
**De Vigne, Paul, Brussels.**  
13. Poverella. (Statue, marble.)  
14. Domenica. (Statue, bronze.)  
15. Amertume. (Bust, marble.)  
16. Pysche. (Bust, marble.)  
17. Roman Woman. (Bust, bronze.)  
**Hambresin, Albert, Brussels.**  
18. An Edict, 15th century. (Statuette, bronze.)  
19. Curfew, 15th century. (Statuette, bronze.)  
20. Crossbowman, 15th century. (Statuette, bronze.)  
21. A Proclamation. 15th century. (Statuette, bronze.)  
**Herain, Jean, Brussels.**  
22. A Captive. (Marble.)  
23. Going to the Fields. (Bronze.)  
**Joris, Francois, Antwerp.**  
24. The Ship's Boy. (Marble bust.)  
25. The Cherries. (Marble.)  
26. Fantasy. (Bronze bust.)  
**Le Roy, Hipp., Ghent and Rome**  
27. Course Folatre. (Bronze.)  
28. Child Life. (Marble.)

Exhibit  
No.

29. When the North Wind Came. (Bronze, *cire perdue*.)  
30. Polar Bear. (Bronze.)  
**Martens, Jean Baptiste, Paris.**  
31. Girl and Turtle Doves. (Marble.)  
32. A Spinner. (Bust with arms, marble.)  
**Samuel, Charles, Brussels.**  
33. Primavera. (Bust, bronze.)  
34. Prelude. (Statuette, bronze.)  
**Van Beurden, Alphonse, Antwerp.**  
35. Forced Bath. (Group in bronze, *cire perdue*.)  
36. Quinten Matsys in Boyhood. (Bust, marble.)  
37. Young Singer. (Bust, marble.)  
**Van der Straeten, Georges, Paris.**  
38. Portrait of Monsieur Worth. (Bust, marble.)  
39. Spring. (Bronze.) } Lent by  
40. Winter. (Bronze.) } Mr. C. T. Yerkes  
41. Idyl. (Bronze.) } Chicago.  
**Weyns, Jules, Antwerp.**  
42. Sweet Slumber. (Statue, marble.)  
43. The Bird Catcher. (Bust, marble.)  
**Willems, Joseph, Malines.**  
44. A Child. (Bronze bust.)  
45. L'Epervier. (Group, bronze.)  
46. Clown. (Statuette, bronze.)

### GROUP 140.

#### Paintings in Oil.

- Abry, Leon, Antwerp.**  
47. The Sparrow of Lesbia.  
**Anten, Djel, Hasselt.**  
48. December Morning.  
**Arden, Henry, Brussels.**  
49. After the Storm. Marine.  
**Asselbergs, Alphonse, Uccle near Brussels.**  
50. Toward Evening on a Fine Winter Day in Camping, Belgium.  
51. A Ravine in Winter, in the Ardennes Mountains.  
**Baron, Theodore, Namur.**  
52. Autumn Leaves, Afternoon.  
53. Autumn Day in the Ardennes.

Paintings in Oil.

l, Brussels.  
und.  
uphrosine, Brussels.  
e to the Convent.  
Evening.' (In Woman's Build-

t, Brussels.  
rries.

Brussels.  
the Fond d'Arquet, Namur.  
s, Antwerp.  
y Attire.  
Afternoon.  
i, Antwerp.  
rries.  
guste, Brussels.  
and Thibbe.  
ields.  
Brussels.

Eugène, Brussels.  
he Heather.

Antwerp.  
to the Studio of Bevenuto

on of Love  
t, Antwerp.  
Comète. Old Salon, Louis  
Cums Museum, Antwerp  
ques, Brussels.  
a Guilio Cesare, at Rimini,

ogolito on the Mediterranean,  
e birthplace of Columbus,  
variste, La Hulpe.  
Sun.  
ence.

Astene.  
it in Flanders.  
aries, Brussels.  
iers' Shop (Brussels type).  
t Anderghem, near Brussels.

Brussels.  
wrecked—Coast of Holland.  
Marie.  
gs of Schavues.  
(In Woman's Building.)  
Joseph-Theodore, Brussels.  
path in the Campine.

12, Brussels.  
rture of the Herd.  
ough the Dunes.  
, Antwerp.  
ermesse.  
n to the Farm.  
Ghent.

Exhibit  
No.

87. While the Husband is Away.  
D'Anethan, Aliz, Paris.
88. The Holy Women. (In Woman's Building.)  
De Bats, Auguste Marie, Bornhem.
89. In Zeeland.
- De Beul, Jean-Henri, Brussels.
90. Herder Assembling his Flock.  
De Beul, Franz, Brussels.
91. Return to the Stable, in the Campine.  
De Bièvre, Marie, Brussels.
92. Peaches.
93. Accessories (the Porcelains). (Woman's Building.)  
De Bourtzoff, Nathalie, Brussels.
94. Hors de Combat.  
De Bourtzoff, Sophie, Brussels.
95. The Orphan.  
De Bruyn, Frans, Antwerp.
96. Waiting—Toward Evening.  
De Hem, Louise, Ypres.
97. The Sexton. (Lent by the Museum of Ypres.)
98. Return of a Procession in Flanders.  
(In Woman's Building.)  
De Heuvel, Theodore-Bernard, Brussels.
99. A Schoolmaster.  
De Keghel, Desire, Ghent.
100. Flowers and Accessories of Music.
101. Souvenir of Prince Baudouin of Belgium.
- De Keyser, Nicaise (deceased).
102. The Holy Week in Sevilla.  
Dell'Acqua, Cesare, Brussels.
103. State Prisoner in the Fortress of Gradisca.  
De Nayer, Charles, Brussels.
104. Still Life.
105. Still Life. (Cheeses.)
- Den Duyts, Gustave, Brussels.
106. Church of Wondelghem Winter Scene.
107. Portrait of M. E. D. V.
- De Rickx, Louis, Antwerp.
108. The Storm.
109. The Harvest.
- De Schampheleer, Edmond, Brussels.
110. Autumn Morning. Genck, Limbourg.
111. Holland Prairies.
- De Smeth, Henri, Dorgerhout.
112. The Smoker.
- De Vigne, Emma, Ghent.
113. Flowers.
- De Vriendt, Albrecht, Antwerp.
114. Charles VI and Odette.  
De Vriendt, Juliaan, Brussels.
115. Souvenir of Cairo.  
Dielman, Marguerite, Brussels.
116. Fruit.

## Paintings in Oil.

Exhibit  
No.

- Dierickx, Omer, Brussels.  
 117. Reunion of Friends.  
 118. Dreary Waking.  
 Dillens, Albrecht, Brussels.  
 119. Shrimp Gatherers.  
 Farasyn, Edgard, Antwerp.  
 120. Embarkment of Emigrants at Antwerp.  
 121. The Truants.  
 Fichet, Georges-Francois-Paul, Brussels.  
 122. Bather.  
 Fischer, Alice, Brussels.  
 123. Gladioli.  
 Frank, Lucien, Tervueren.  
 124. October.  
 Gailliard, Francois, Brussels.  
 125. La Porte de Hal in Brussels.  
 Gerard, Theodore, Brussels.  
 126. Bad Reception.  
 Gevers, Helène, Antwerp.  
 127. Arab Merchant.  
 128. A Future Poet.  
 Godding, Emile, Antwerp.  
 129. One Florin, Five Cents, Four Deniers.  
 Goemans, Gustave-Hubert, Ghent.  
 130. Summer.  
 131. Sunshine on the Avenue.  
 Guffens, Godefroid, Brussels.  
 132. Girl, Dressing.  
 133. Girl, Dressing.  
 Guiette, Jules, Antwerp.  
 134. Evening.  
 Halle, Oscar, Antwerp.  
 135. The Last Day of Autumn.  
 136. Reading of the Bible at the Old Men's Hospice.  
 Hagemans, Maurice, Brussels.  
 137. Snow in the Forest of Soigne.  
 Heger, Louise, Brussels.  
 138. Banks of the Ourthe River.  
 Herbo, Leon, Brussels.  
 139. Souvenir of Italy.  
 Hoeterickx, Emile, Brussels.  
 140. Arrival of the Mailboat at Dover.  
 Hoorickx, H. G. Ernest, Brussels.  
 141. Winter Twilight.  
 Horenbant, Joseph, Ghent.  
 142. Young Woman.  
 Huysmans, Jean Baptiste, Hove.  
 143. Visit of the Merchant (Algeria).  
 Jacobs, Adolphe, Brussels.  
 144. Stable at Boitsfort.  
 Jacobs, Louis, Brussels.  
 145. The Scheldt with Floating Ice.  
 146. Evening on the Lower Scheldt.  
 Kegeljan, Franz, Brussels.  
 147. Flemish Farm.  
 148. Shores of Lake Neuchatel.

Exhibit  
No.

- Kokken, Henry, Antwerp.  
 149. A Venture.  
 150. Callantry.  
 Lamorinière, Francois, Antwerp.  
 151. Avenue of Oaks, near Antwerp.  
 152. Snow Effect, near Antwerp.  
 Laumans, Fanny, Brussels.  
 153. While Waiting the Artist. (Woman's Building.)  
 Leempoels, Jef., Brussels.  
 154. The Amateurs.  
 155. A Vocation in Suspense.  
 Lefebvre, Charles, Brussels.  
 156. Arab Encampment in Morocco.  
 Le Mayeur, Adrien, Boitsfort.  
 157. The Storm.  
 158. Setting Sun at Sea.  
 Le Roy, Hipp., Ghent and Rome.  
 159. Dream of Happiness.  
 160. Winter in a Flemish Town.  
 Looymans, Romain, Antwerp.  
 161. Flemish Farmyard.  
 Lybaert, Theophile, Ghent.  
 162. The Mother of Sorrows.  
 163. Melancholy.  
 Maeterlinck, Louis, Ghent.  
 164. Peace.  
 Mayne, Jean, Brussels.  
 165. On the Coast.  
 166. Les Va-nu-pieds.  
 Meunier, Georgette.  
 167. The Mandolin.  
 168. Souvenirs of a Bride. (Woman's Building.)  
 Meyers, Isidore, Brussels.  
 169. Brielle Poort, Ypres.  
 170. Banks of the Scheldt, November.  
 Michel, Gustave, Ghent.  
 171. The Novice.  
 Montigny, Jules Leon, Tervueren.  
 172. The Return of the Herd, October.  
 Musin, Auguste, Brussels.  
 173. Entrepot Royal and Bassin du Commerce at Brussels.  
 174. Ostend Fishermen Caught by a Storm in the North Sea.  
 Namur, Francois, Liege.  
 175. Pauvrettes.  
 Nys, Carl, Antwerp.  
 176. Chess Players.  
 Ooms, Karel, Antwerp.  
 177. Cupid in Chase.  
 Petit, Cornille, Brussels.  
 178. Happy Grandmother.  
 Plasky, Eugene J. B., Anderghem.  
 179. Chestnut Alley in Orenbrabant.  
 Plumot, Andre, Antwerp.  
 180. The Dangerous Bridge.

Paintings in Oil.

the Studio.  
Brussels.  
d Child, Morocco.  
Antwerp.  
lass.  
d, Antwerp.  
Felicie, Liege.  
es.  
and Oranges. (In Woman's  
Brussels.  
ssels.  
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russels.  
llanne, Antwerp  
Mme. R.  
nd Dupon's  
s, Termonde.  
pine, Morning.  
ain, Campine.  
sta, Ghent and Paris.  
Mlle. D.  
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ening.  
russels.  
Brussels.  
risi.  
, Antwerp.  
atriotism.  
est, Brussels.  
of Pompeii.  
an Inundation, Dordrecht.  
ois, Brussels.  
al of the Rosary in Bruges.  
aint Jean and the Belfry.  
Ghent.  
Ghent, End of October.  
Butchers. Old Flemish  
s, Camille, Brussels.  
(In Woman's Building.)  
les, Brussels.  
tepose.  
tongres, Belgium.  
hent.  
idery Lesson at the  
it.  
s, Brussels.  
Bergen-op-Zoom.  
Brussels.  
e Congo explorer, Jérôme  
erp.

Exhibit  
No.  
Van Beers, Jean, Paris.  
213. A panel comprising:  
1. Mrs. Brown Potter as the Lady of  
Lyons.  
2. Miss Ada Rehan, as Lady Teazle.  
3. Portrait of Henri Rochefort.  
4. Careless.  
5. Portrait of Mr. V.  
6. Portrait of Peter Benoit.  
7. Flirtation.  
8. "Reviens."  
214. Summer Evening.  
214a. Portrait of Mrs. Y.  
Nos. 213-214a lent by Charles T.  
Yerkes, Chicago.  
Van Caillie, Florimond, Antwerp.  
215. Meadow in Flanders.  
216. Snow Effect (Knocke, Belgium).  
Van Damme, Frans, Brussels.  
217. In the Allée Verte, Brussels.  
Van Damme-Sylva, Emile, Brussels.  
218. Nightfall.  
Van den Bos, Georges, Paris and Ghent.  
219. Open Air Study.  
220. Gage of Love.  
Van den Eycken, Charles, Brussels.  
221. Who is There?  
Van der Hecht, Henri, Brussels.  
222. Across Brussels.  
Van der Meulen, Edmond, Brussels.  
223. Astonishment.  
224. Hunting in the Marsh.  
Van der Ouderaa, Pierre-Jean, Antwerp.  
225. The Galleries of the "Juweelpand"  
(Convent of the Jewels) during the Free  
Fair of Antwerp. First half of sixteenth  
century.  
Van Geert, Flora, Antwerp.  
226. Chrysanthemums.  
227. Mimosas.  
Van Hove, Edmond, Bruges.  
228. The Virgin and the Infant Jesus.  
Van Kuyck, Frans, Antwerp.  
229. The Potato Gathering.  
Van Leemputten, Corneille, Brussels.  
230. The Return of the Flock.  
231. End of Autumn in the Campine.  
Van Leemputten, Frans, Antwerp.  
232. The Return.  
Van Luppen, Frans, Brussels.  
233. Fog in the Woods, End of November.  
Van Luppen, Prosper, Antwerp.  
234. A Last Effort.  
235. The Antiquary.  
Van Overbeke, Edouard, Brussels.  
236. Autumn.  
Van Seben, Henri, Brussels.  
237. Should it be He!  
238. Village in Holland (Winter).

# IMMANIMENT K.—FINE ARTS.

Paintings in Oil and Water Colors, Engravings and Etchings, Prints.

GROUPS 143 and 144.  
Engravings and Etchings: Prints.  
Drawings.

- Mon. (Original Etching)
- of Mr. B.
- Antwerp.
- Engraving after Cabanel.)
- Review of the School. (Engraving after Verhas.)
- Mon.
- containing engravings: (After Van Eyck.)
- of Children, after Duch
- hn. (After Donatello.)
- of Mr. B.
- Antwerp. (Pencil drawings)
- Evening.
- Boat.
- Ardennes.
- the Fagnes.
- Brussels.
- of the Daughters of Leucy
- oscares. (Engraving after
- Engraving after Rubens.)
- Brussels.
- Drawings.
- Genl Frederic, Ghent.
- Abbey of Villers.
- G. P. Antwerp.
- after Rubens.
- after Van Dyck.
- after Frans Hals.
- after Simon De Vos.
- L. Gallait. (Original)
- Peter Benoit. (Original)
- Woman's Building)

# BRAZIL.

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Acting President of the National Commission,  
**CAPTAIN I. M. DE LEMOS BASTO,**

**Hotel Metropole, Chicago.**

---

Commissioner of Fine Arts,  
**PROF. RODOLPHO BERNARDELLI,**

**Director of Fine Arts School Rio de Janeiro,**

**Hotel Metropole, Chicago.**

## BRAZIL.

## Sculpture, Paintings in Oil.

## GROUP 139.

## Sculpture.

Exhibit  
No.

Prof. Rodolpho Bernardelli.

1. Christ and the Adulteress. (Marble.)
3. Dr. Montenovese. (Bronze.)
4. Dr. Benjamin Constant. (Bronze.)\*
5. D. Pedro d'Alcantara. (Marble.)

Martinelli St. Paulo.

6. Jose Bonifacio. (Marble.)\*

## GROUP 140.

## Paintings in Oil.

In Upper Gallery, Alcoves 140-142.

Agostinho da Motta.

7. Fruit of Brazil.
8. Head of an Old Man.

Almeida Jr., J. F. de.

- 8a. Os caipiras negaceando.
9. The Rest of the Model.
10. The Reader.

Antonio Parreiras.

11. Panorama of the City of Nictheroy.\*
12. Evening.\*
13. Landscape.\*

Aurelio de Figueredo.

14. Tiradentes.\*

Belmiro de Almeida.

15. Pique.\*

16. Study of a Head.

Oliviera Brasileira.

- 16a. A Virgin.

Caron H. Boaventura.

17. Landscape.

Castagneto, J., Baptista.

18. St. Luria Beach, Rio de Janeiro.

19. Marine.

Facchinetti, Nicolau.

20. Panorama of Nictheroy.

21. Lake of Rodrigues de Freitas.

Firmino Monteiro.

22. Landscape.

23. Funeral of Camorim.

Fiuza Guimaraes, Jose.

24. Landscape.

25. Landscape.

Exhibit  
No.

26. Landscape.

27. Landscape.

28. Landscape.

29. Landscape.

30. Landscape.

31. Landscape.

Prof. Henrique Bernardelli.

32. Bandeirantes.

- 32a. Messalina.

33. Tarantella.

34. Return of the Work.

35. Mater (Mother).

36. Portrait of Gen. Deodoro.

37. Portrait.

38. Uncle Thomas.

39. Study of a Head.

40. Wood Catter.

41. Landscape.

42. Empire.

43. Indian.

J. Baptista da Costa

44. In the Orchard.

45. Marguerites.

46. Capadocio.

47. Landscape.

48. Dwelling.

49. Cabbages.

Prof. J. Zeferino da Costa.

50. The Cake of the Widow.\*

51. Charity

Insley Pacheco.\*

- 51a. Landscape, Rio de Janeiro.

- 51b. Landscape.

- 51c. Landscape, Paqueta.

- 51d. Landscape.

- 51e. Landscape.

- 51f. Landscape.

- 51g. Landscape.

- 51h. Landscape.

- 51i. Landscape.

- 51j. Landscape.

- 51k. Landscape.

- 51l. Landscape.

- 51m. Landscape.

- 51n. Landscape.

- 51o. Landscape, Forest Andaraby.

- 51p. Landscape.

Paintings in Oil, Antique and Modern Carvings, Engravings.

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Capernaum.\*

\*

Exhibit

No.

84. Portrait.

84a. Desdemona.\*

Victor Meirelles.

85. The First Mass in Brazil.\*

Visconti, Eliseu d'Angelo.

86. Landscape.

87. Landscape.

88. Landscape.

89. Landscape.

90. Landscape.

91. Landscape.

92. Landscape.

93. Landscape.

GROUP 141.

Paintings in Water Color.

Insley Pacheco.\*

93a. Landscape, Ceara.

93b. Landscape, Sunset.

93c. Landscape, Bay of Rio de Janeiro.

93d. Landscape.

93e. Landscape.

93f. Landscape.

93g. Landscape.

93h. Landscape, Forest.

93i. Landscape.

GROUP 145.

Antique and Modern Carvings; Engravings in Medallions or in Gems; Cameos, Intaglios.

In Upper Gallery, Alcoves 140-142.

Prof. A. Girardet.

94. Portrait of Gen. B. Constant.

95. Two Ballet Girls.

96. Arrested Love.

97. Two Cupids.

98. Three Heads Symbolic of the Republic.

99. Galathea of Raphæl.

100. Two Bassi-Relievi.

\*In the Brazilian Building.



# CANADA.

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## CANADA.

## Paintings in Oil.

## GROUP 140.

## Paintings in Oil.

In Galleries 10 and 11.

Exhibit  
No.

Adams, J. M. F., Toronto.

1. In the Studio.

Ahrens, C., A. R. C. A., Toronto.

2. Cradled in the Net.

Alexander, C., Galt, Ont.

3. Gathering Plums.

4. A Peasant Girl Drinking.

Atkinson, W. E., Toronto.

5. Moonlight.

6. Autumn Evening, Brittany.

Barnsley, J. M., Montreal.

7. A Calm Evening.

Bell, Mary A., A. R. C. A., Almonte, Ont.

8. Portrait of a Lady.

9. September Evening, Lake Huron.

10. Summer Time.

Bell-Smith, F. M., R. C. A., Toronto

11. Evening.

12. Landscape.

13. Evening, Holland.

Brownell, F., Ottawa.

14. Lamp Light.

15. Anderson's Garden.

Brymner, William, R. C. A., Montreal.

16. In County Cork, Ireland.

17. Lake Louise, Rocky Mountains.

18. Lake Agnes, Rocky Mountains.

19. Entr' Acte.

20. Border of the Forest, Fontainebleau.

Challener, F. S., A. R. C. A., Toronto.

21. Forty Winks on a Sunday Afternoon.

22. Marechal Niel Roses.

23. A Sweet Penitent.

24. Where the Mistletoe Grows.

25. Showery Weather.

Cruikshank, W., A. R. C. A., Toronto.

26. Drawing the Mast.

Cullen, M. G., Paris.

27. On the River at Gretz.

28. A Washhouse in Provence.

Day, Forshaw, R. C. A., Kingston, Ont.

Exhibit  
No.

29. Musquodobit Falls, Nova Scotia.

DeForest, H. J., St. John, N. B.

30. Valley of the Wauganni River, at  
Evening, N. Z.

Dignam, Mary E., Toronto.

31. In the Vineyard.

32. Still Life, Pumpkin.

Dyonnet, E., A. R. C. A., Montreal.

33. Statuary.

Ede, F. C. V., Sorgues, near Paris.

34. Landscape with Cattle, France.

35. Landscape with Cattle, France.

36. Landscape with Sheep, France.

37. At Sorgues, near Paris.

38. Landscape near Fontainebleau.

39. Barnyard with Poultry.

Egan, J. H., Montreal.

40. Maternity.

Forbes, J. C., R. C. A., Toronto.

41. Chalk Cliffs, near Dover.

42. Coast of Maine.

43. The Old Home.

44. A Rocky Mountain Cañon.

Forster, J. W. L., A. R. C. A., Toronto.

45. The Old Story.

46. Gossips.

Franchère, J. C., Montreal.

47. Fantaisie Japonaise.

48. Still Life.

Fraser, J. A., R. C. A., New York.

49. A Highland November Morning.

Graham, J. L., Montreal.

50. Pastures Green.

51. Study of a Cow.

Grier, E. W., A. R. C. A., Toronto

52. Portrait. Miss M. Cawthra.

53. Portrait of a Physician.

Hammond, J., A. R. C. A., St. John, N. B.

54. Herring Fishing, Bay of Fundy.

55. The Great Michilicwaet Glacier, Sel-  
kirks.

56. The Fraser River, Yale.

Harris, Robert, Pres. R. C. A., Montreal.

57. Portrait. Gilman Cheney, Esq.

58. Portrait. Mrs. Ross.

59. Composing his Serenade.

Paintings in Oil and Water Colors.

Portrait: Miss Peterson.  
The Homely House that Harbours  
Rest. A. J. E. A. A.  
Harmony.  
Sarah B. Montreal.  
Portrait.  
Britannia Interior. M.  
His Taste.  
William, Montreal.  
able du Roi, Forest of Fontainebleau.  
ton, Margaret, Montreal.  
ishing on the Moon.  
d Fishing Stage, Louisbourg.  
O. R., R. C. A., Toronto.  
ndscape with Gipsies.  
ndscape.  
ndscape.  
. M., Toronto.  
ses.  
O., St. Hilaire, Que.  
ions.  
il Life. Study by Candle Light.  
ur, L. C., Winnipeg, Man.  
teway, Old Fort Garry, Winnipeg.  
llan, D. P., Montreal.  
small Hollow.  
T. M., R. C. A., Toronto.  
ening after Winter.  
cks.  
There!  
Guard.  
, J. W., Montreal.  
trance to Dieppe.  
rly Morning Effect on the Conway,  
Laura A., Paris, France.  
airy Tale.  
nk, R. C. A. (deceased).  
e Venetian Bather.  
J. C., A. R. C. A., Hudson, Que.  
, Fanny G., Montreal.  
After Dinner Pipe.  
, W., R. C. A., Montreal.  
ndoned.  
otato Plot.  
Oat Field.  
A., R. C. A., Toronto.  
Foreclosure of the Mortgage.  
Visit of the Clockmaker.  
aby.  
ountain Village.  
ry H., A. R. C. A., Toronto.  
es and Still Life.  
santhemums.  
ber Sunshine.  
, H., R. C. A., Boston, Mass.  
founding of Maryland, March 27,

Exhibit  
No.  
Schreiber, C. M. B., Springfield, Ont.  
98. Christobel.  
Seymour, M., Montreal.  
99. Evening on the Carron, Easter Ross,  
Scotland.  
Sherwood, W. A., A. R. C. A., Toronto.  
100. Comrades.  
101. The Negotiation.  
Spurr, Gertrude E., Toronto.  
102. Boston Stump.  
103. Grand River, Elora.  
Staples, O. B., Toronto.  
104. The Last Load.  
Thompson, Ernest E., A. R. C. A., Toronto.  
105a. Awaited in Vain. An Incident in the  
Pyrenees.  
Tully, S. S., A. R. C. A., Toronto.  
105. Le Vicar Garg.  
106. Portrait, Miss L. Leleuvre.  
Verner, F. A., A. R. C. A., Toronto.  
107. Milking Time.  
108. Monarch of the Prairie.  
Watson, H., R. C. A., Doon, Ont.  
109. Early Spring, Grand River Valley.  
110. Storm Passing the Oak Glade.  
111. Village of Killarney, Fife.  
112. At the Farm.  
Watts, J. W. H., R. C. A., Ottawa.  
113. A Forest Pool.  
114. October.  
115. Landscape.  
Wickson, Paul G., A. R. C. A., Paris, Ont.  
117. At Duty's Call.  
Woodcock, P., R. C. A., New York, N. Y.  
116. The Creek.

GROUP 141.

Paintings in Water Colors.

In Galleries 10 and 11.

Barnsley, James M., Montreal.  
118. The Life Boat.  
119. East Gloucester, Maine. (Not for Sale.)  
120. Shipping.  
Bell-Smith, F. M., R. C. A., Toronto.  
121. Bank of Montreal, Montreal.  
122. Feeding Pigeons, St. Paul's Church-  
yard, London.  
123. Evening, Hyde Park Corner.  
124. After Rain, Place de la Concorde,  
Paris.  
125. The Morning Milking Hour, Holland.  
126. The Thames at London Bridge.  
127. Cape Trinity.  
Day, Forshaw, R. C. A., Kingston, Ont.  
128. The Hermit Range.  
129. The Glacier Torrent.  
130. Cap Rouge, Quebec.

## Paintings in Water Colors.

## Exhibit

- No.  
 131. The Hermit Range from above Lake Marion.  
 Fowler, Daniel, R. C. A., Emerald, Ont.  
 132. Shot, But Not Got.  
 133. Group of Canadian Dead Game.  
 134. Peonies.  
 135. Gladiolus.  
 136. Group of Gladiolus.  
 137. Rough Pasture.  
 138. Summer Afternoon.  
 139. Low Water, Bay of Quinte.  
 140. Sunshine and Shade.  
 141. Sand Hills, Amherst Island.  
 142. Fisher Boys of Hastings, England.  
 143. Dark Pool on a Dull Day.  
 144. Stork.  
 145. Duck.  
 Fraser, John A., R. C. A., New York, N. Y.  
 146. A Bit of Igham Mote House.  
 147. On a Blowy Morn in June.  
 148. At the Solemn Hour.  
 149. In the Wild Highlands.  
 150. November Twilight, Perthshire.  
 151. The Haunt of the Muskrat.  
 152. By the Meadow Stream.  
 153. The Weird House in the Moat.  
 154. On Loch Etive Side.  
 155. The Sunset Flush.  
 156. Twixt Achray and Katrine.  
 157. Perce.  
 Gagen, Robert F., A. R. C. A., Toronto.  
 158. Rhododendrons.  
 159. A Clear Morning, Frenchman's Bay, Maine.  
 160. Ebb Tide, West Goldesborough, Maine.  
 Griffiths, James, R. C. A., London, Ont.  
 161. English Roses.  
 162. Peonies.  
 163. Canadian Roses.  
 Knowles, F. McG., A. R. C. A., Toronto.  
 164. Perce Fishermen, Gulf of St. Lawrence.  
 MacDonnell, Harriet J., Montreal.  
 165. Old Saw-mill, St. Andrews.  
 Manly, C. McD., A. R. C. A., Toronto.  
 166. Midsummer Days.

## Exhibit

- No.  
 167. Heatherland.  
 168. Land of the Peach and Vine.  
 Martin, H., A. R. C. A., Toronto.  
 169. Westminster.  
 Martin, E. May, Toronto.  
 170. Late Twilight.  
 Mathews, M., R. C. A., Brantford, Ont.  
 171. Indian Salmon Catch on the Fraser River.  
 172. Lifting Mists in the Kicking Horse Cañon.  
 173. Mount Begbie, at Revelstoke, B. C.  
 174. The Selkirk's Glacier from the C. P. R.  
 175. Spuzzum Creek on the Fraser River.  
 O'Brien, L. R., R. C. A., Toronto.  
 176. The Great Peak of the Selkirk's.  
 177. Niagara.  
 178. Canterbury Cathedral.  
 179. Lake Memphremagog.  
 180. The Grand River at Dover.  
 181. Fat Lands of Ontario.  
 182. Gathering Hay on Coldwater Marshes.  
 Phillips, Mary M., Montreal.  
 183. Gloucester Harbor.  
 Reid, G. A., R. C. A., Toronto.  
 184. Late Afternoon. (Pastel.)  
 Revell, W. M., A. R. C. A., Toronto.  
 185. Sketch on the Canal, Brantford.  
 186. Canadian Fruit.  
 Rolph, J. T., A. R. C. A., Toronto.  
 187. Birch Trees, Coast of Maine.  
 188. Sluice Gate, near West Goldsboro.  
 Spurr, Gertrude E., Toronto.  
 189. Upland Road, Point Levi.  
 190. By the Lake Shore, Mimico Creek.  
 191. Rapids above the Falls.  
 Tully, S. S., A. R. C. A., Toronto.  
 192. Anticipation. (Pastel.)  
 193. Suddy. (Pastel.)  
 Verner, F. A., A. R. C. A., Toronto.  
 194. St. Clair Marsh.  
 Way, C. J., R. C. A., Ospedaletti, Italy.  
 195. Pool in the Valley of the Rhone, Switzerland.

# DENMARK.

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President of the Commission.

C. MICHELSEN.

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Commissioner General.

EMIL MEYER.

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Commissioner of Fine Arts.

OSCAR MATTHIESEN.

Gallery 73, West Pavilion of Art Palace.

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Commissioner of Fine Arts.

CARL ROHL-SMITH.

Woman's Temple, La Salle Street.

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Information regarding exhibits for sale, apply to OLAF H. MOGENSEN.

In Gallery 73.

# DENMARK

## DENMARK.

Sculpture, Paintings in Oil.

### GROUP 139.

#### Sculpture.

In Galleries 73 and 75.

Exhibit  
No.

**Bissen, V.**

1. A Girl Making Pottery. (Marble.)
2. A Danaide. (Marble.)

**Boegebjerg, R.**

3. A Girl from Fanoe. (Bust, marble.)

**Bundgaard, A. J.**

4. Will o' the Wisp. (Statue, plaster.)
5. Laborer. (Statue, bronze.)

**Dan, Johanne.**

6. A Snake Charmer. (Statue, bronze.)

**Hasselries, L.**

7. Christ and Columbus. (Bronze and plaster.)

**Kroyer, P. S.**

9. The Poet, Alex. Kjelland. (Bust, plaster.)
10. The Poet Holger Drachmann. (Bust, plaster.)
11. The Painter, Michael Ancher. (Bust, plaster.)
12. The Violinist, Anton Svendsen. (Bust, plaster.)
13. The Zoologist, J. C. Schjodte. (Bust, plaster.)

**Nielsen, Anna M. C.**

14. A Calf. (Bronze.)
15. A Calf. (Bronze.)

**Pacht, Axel Fred'k.**

16. His Majesty, King Christian IX. (Statue, bronze.)

**Saabye, A. W.**

17. Susanne Before the Elders.
18. Lady Macbeth Walking in Her Sleep.

**Sinding, Stephan.**

20. A Captive Mother. (Plaster.)

### GROUP 140.

#### Paintings in Oil.

In Galleries 73 and 75, and Upper Gallery  
Alcoves 136 to 139.

Exhibit  
No.

**Achen, G.**

21. Morten.

**Agersnap, Hans.**

22. Summer Day at the Pool in the Bog.  
Cotton Grass in Bloom.

**Ancher, Anna.**

24. A Dressmaker.

25. In a Brown Study.

**Ancher, Michael.**

26. A Winter Day at the Village Shop-keeper's.

27. Fisherman Returning Home.

28. Three Old Fellows.

**Arnesen, Vilh.**

29. A Gale at Sea.

**Bache, Otto.**

30. The Mill Yard.

31. Hussars on the Commons.

**Ball, Otto.**

32. Sunset.

**Bilkvist, Joh. B.**

33. The Weather Clearing after the Rain.

**Bissen, R.**

34. An Old Oak near the Shore.

**Blom, Gerhard.**

35. In the Summer House.

**Blache, Chr.**

36. Calm Afternoon on the Oresund.

37. Rough Sea at a Rocky Coast (Bornholm, Denmark).

**Boesen, Joh.**

38. Evening at the Seaside.

39. Spring in a Danish Beech Forest.

**Brasen, Hans.**

40. The Woman with the Eggs. (From H. C. Andersen's Story.)

**Braendekilde, H. J.**

41. Worn Out.

42. Goodbye.

## Paintings in Oil.

Johan Ulrik.  
 ne When the Leaves are Falling.  
 H.  
 ers.  
 anus.  
 of the Sea on a Calm Spring Day.  
 Seaside; Gloomy Day.  
 A. Riis.

n, R.  
 lish Bull.  
 ing Place.  
 n, Poul S.  
 t.

g, Tisvilde Hegn, Sealand.  
 m Brewing, Hundedest, Sta-

Augusta.

nthemums.

g Girl—Study Head.

tennis.  
 ght Night  
 M.  
 e of Isaac.  
 ul.  
 plads, Copenhagen.  
 lma.  
 s.

es bringing a Satyr before the  
 of Olympians. (La. Legend  
 s, V. Hugo.)  
 nd the Eye of the Lord (La  
 es Siecles, V.—Hugo).

lage.  
 the Kullen in Sweden; After-

-Holmgren.  
 vers Playing Cards.  
 of a Poor Cottager's Home.  
 Norway.)

is Nikolai.  
 of the Wife of the Painter.

ch at Tisvilde (Sealand).  
 lph H.  
 the Colonna Palace, Rome.

er.  
 f Children.  
 ph Th.  
 y-room of Her Majesty, Queen  
 Bernstorff Castle.  
 uncil-room at the Palace of

Exhibit

- No.  
 Haslund, Otto.  
 72. Interior of a Stable.  
 Heilmann, Gerhard.  
 73. Spring Day After Rain.  
 74. An Old Manor House, Summer Eve-  
 ning.  
 Helsted, Axel.  
 76. The Judgment of Paris.  
 Hinrichsen, Lorenz V.  
 77. Evening Sun.  
 Holten, Sofie.  
 78. Portrait of a Lady. (Half length.)  
 79. Portrait of a Gentleman. (The Painter,  
 L. A. Ring.)  
 80. At the Border of the Wood.  
 Hou, Axel.  
 81. "Master, Where Are You Going?"  
 Ilsted, Peter.  
 82. An Invalid.  
 Irminger, V.  
 83. In a Ward at Night. (The Children's  
 Hospital at Refsnaes, Sealand.)  
 83a. Patients returning from the Coast Hos-  
 pital at Refsnaes.  
 84. Sufferers Waiting for Christ. (St.  
 Mark I, 32-33.)  
 85. Dogs in Copenhagen.  
 Jensen, Carl Milton.  
 86. A Change in the Weather.  
 Jensen, J. Th.  
 87. Winter Day in a Forest Glen.  
 Jensen, Karl.  
 88. St. Olaf Church at Elsinore.  
 Jespersen, Henrik.  
 89. Drifting Clouds with Glimpses of Sun-  
 shine.  
 90. On the Brink of a Rivulet in West  
 Jutland; Summer Afternoon.  
 Jerndorff, A. A.  
 91. The Deluge.  
 92. The Jews in the Desert.  
 93. Portrait of a Gentleman.  
 94. Portrait of a Lady.  
 Johansen, Viggo.  
 95. Christmas Eve.  
 96. Autumn Landscape.  
 97. Sunday at Tibirke Church (Denmark).  
 Kabell, Ludvig.  
 99. Summer Evening in the Country (Sea-  
 land).  
 Kittendorf, Ad.  
 100. Amagertorv in Copenhagen. (Water  
 color.)  
 101. In Gennarano. (Wash drawing.)  
 Kofoed, H. C.  
 102. After the Work (Brittany).  
 Konstantin-Hansen, Eliac.  
 104. An Oat Field.

## Paintings in Oil.

Exhibit  
No.

- Kornerup, Valdemar.  
 105. The Good Samaritan.  
 Krebs, Johanne.  
 106. Portrait. (Study.)  
 Kroyer, P. S.  
 107. The Road to Stenbjerg (Denmark).  
 108. In the Garden.  
 109. Portrait.  
 Kynh, Vilhelm.  
 110. Landscape.  
 Larsen, Knud Erik.  
 111. In the Children's Home. (Administering codliver oil to the inmates.)  
 112. The Border of the Woods.  
 Larsen, Minni.  
 113. Before the Communion. (Old Welsh Woman.)  
 Locher, Carl.  
 114. A November Night on the North Sea.  
 115. The Glacier of Oefjelds. (Iceland.)  
 Lubschitz, John Leopold.  
 116. Evening.  
 Lund, C. Emil.  
 117. Landscape in Jutland. Subject from Himmerland.  
 Lund, Soren.  
 118. Tethered Horses.  
 Lutzhoft, N. Holten.  
 119. Dark Day in August.  
 120. Sunshine in a Village Churchyard  
 Matthiesen, Oscar.  
 121. Cart Horses by the Seine, Paris.  
 122. Gale on the West Coast of Jutland.  
 123. Griffenfeldt as a Prisoner at Munkholm, Teaching Two Little Boys.  
 Mols, Niels Petersen.  
 124. Rainy Weather.  
 125. October Day.  
 Niss, Thorvald.  
 126. Autumn.  
 Nybo, Frits.  
 127. September. West Part of Southern Norway.  
 128. Old Trees at Charlottenlund (Sealand).  
 Olsep, Alfred.  
 129. A Dead Calm.  
 Pacht, Yilh.  
 130. Potato Harvest in North Sealand.  
 Paulsen, Julius.  
 131. The Models are Waiting.  
 132. View of a Plain in Denmark.  
 133. Portrait of Professor Froelich.  
 Pedersen, Ole.  
 134. Field Laborers.  
 135. Interior of a Stable.  
 Pedersen, Thorolf.  
 136. From the Port of Elsinore.  
 137. The Tempest.

Exhibit  
No.

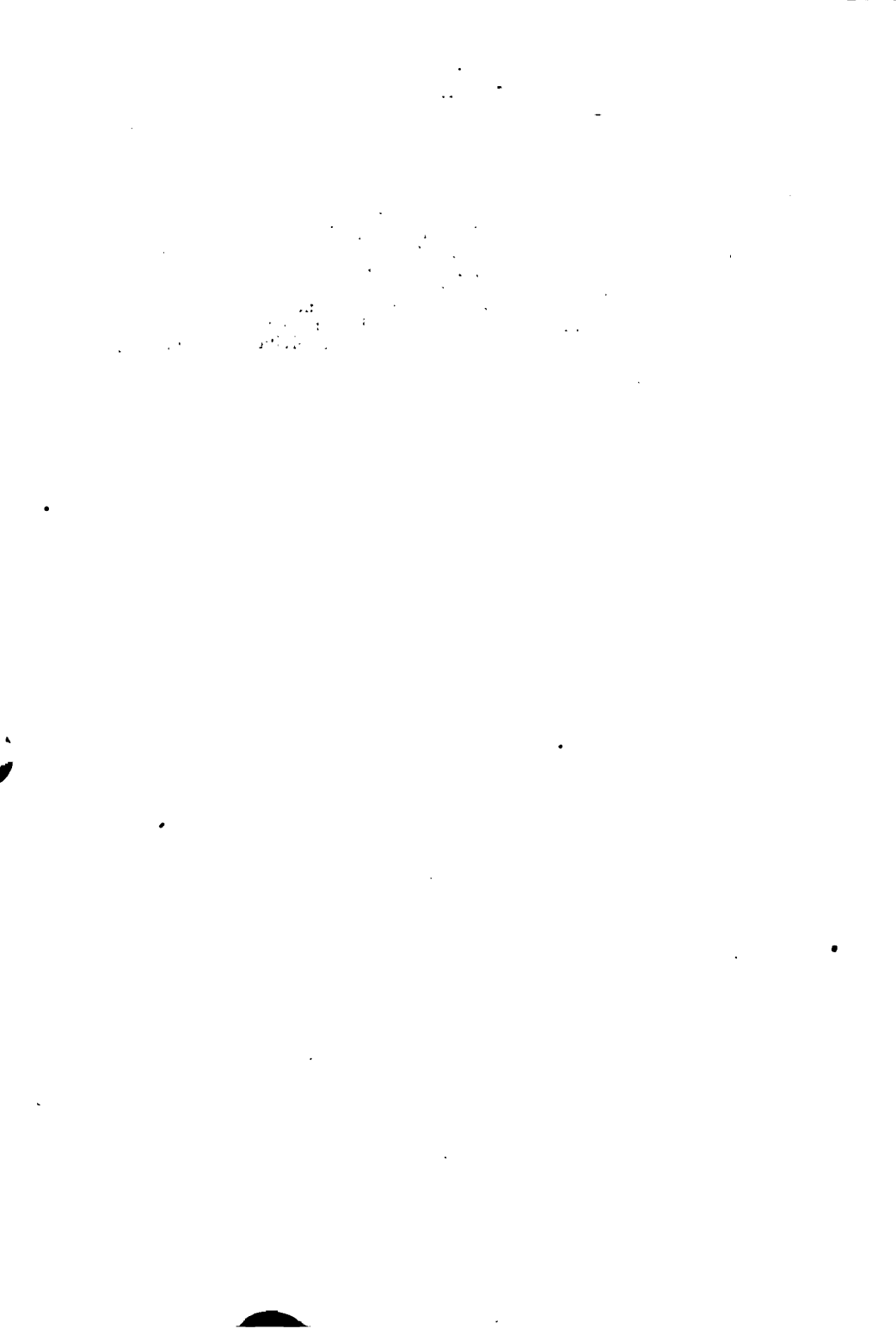
- Pedersen, Viggo.  
 138. Isaac Seeing the Arrival of Rebecca (Genesis xxiv, 63.)  
 139. The Water Mill.  
 140. The Sun Setting Over the Sea.  
 141. View of the Sea.  
 142. Italian Landscape from Sora.  
 Petersen, Anna Sofie.  
 143. Fishermen in Church in West Jutland.  
 Rasmussen, J. E. Carl.  
 144. Shipwrecked Sailors on the Sea.  
 145. Summer Night on the Coast of Greenland.  
 Rasmussen, R. C.  
 146. Street at Ryssensten. (Copenhagen)  
 Ring, L. A.  
 147. Laborers at an Aqueduct.  
 148. A Drunken Man in the Village.  
 Rohde, Johan.  
 149. Danish Landscape.  
 150. On the Banks of the Ribe Rivulet.  
 Seligman, Georg.  
 151. Convalescence.  
 Schlichtkrull, Johan C.  
 152. The Sound Sleepers.  
 153. Outside the Cottage.  
 154. Portrait of My Brother.  
 155. Change of the Weather.  
 Schmidt-Phiseldeck, Carl.  
 155½. The Large Beech in Valloe Park; September Day.  
 Skovgaard, N. K.  
 156. The Goblins' Forest.  
 157. Beech Forest in the South of Sweden on a Windy Autumn Day.  
 158. Portrait.  
 Smidth, Hans.  
 159. Aaresvad Rivulet at Karup (West Jutland).  
 160. Sund's Mill (West Jutland).  
 Therkildsen, M.  
 161. Frightened Horses.  
 Tornoe, Wenzel.  
 162. The Newly Married Friend Pays a Morning Visit.  
 Tuxen, Lauritz.  
 163. Susanne in the Bath.  
 164. On the Coast of Picardy, Fishermen Returning at Dusk.  
 165. Portrait of a Lady.  
 166. The Royal Danish Family.  
 Tuxen, Nicoline.  
 167. Midsummer.  
 167a. Growing Apple Bough.  
 Wandel, Elisabeth.  
 168. Evening Sun. Storm Coming on.  
 Wang, Albert E.  
 169. October Day. (Subject from the neighborhood of Horsens, Denmark.)

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 Paintings in Oil.
 

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	Exhibit No.
<b>Bertha.</b>	<b>Winther, Fr.</b>
Portrait of a Lady.	175. Sorgenfri Rivulet. (Lyngby, Sealand.)
Portrait of a Lady.	<b>Zacho, Chr.</b>
Musician.	176. Summer Day on the Banks of the
Portrait at Jenbach (In Tyrol).	Rivulet in Saebygaard Wood. (Jutland.)
<b>Carl C. F.</b>	<b>Zahrtmann, Kristain.</b>
Portrait of a man. (Subject from Gulbrand- sen. (Subject from Gulbrand- Norway.)	177. Job and his Friends.
	178. Procession in Civita d'Antino, Italy.



# FRANCE.

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## FRANCE.

## Sculpture.

## GROUP 189.

## Sculpture.

h Court, Rotunda and Galleries 57  
58. Sculpture applied to Archi-  
tecture, in East Court.

, Alexandre, Paris.

Fide.

anières, Clement, comte d', Paris.  
ld on a Wave; More Fear than

er. Frolicsome Boy.

Calryman in Campaigning Dress.

entry on the Frontier in Fatigue

m. unteer of Autumn, Cavalryman in

e Dress.

urious Child.

an-Paul, Paris.

ite. Louis-Ernest, Paris.

First Burials.

art as a Child.

l, Frederic-Auguste, Paris.

hington and Lafayette.

mé, Albert, Paris.

e Girl Crying.

Victorien-Antoine, Paris.

ndoned.

Just, Paris.

Seine at its Source.

Playing with a Panther.

seph, Paris.

Michael-Léonard, Paris.

Charmer.

d Conqueror.

l, Jules, Paris.

ret's Daughter.

l of a Woman.

Isidore, Paris.

leur.

eman of Louis XV.

heron Horse.

Exhibit

No.

Boucher, Alfred, Paris.

24. On the Ground.

Cain, Auguste, Paris.

25. Rhinoceros Attacked by Tigers.

26. Eagle and Vultures Quarrelling over a

Dead Bear.

27. Lion Strangling a Crocodile.

Cambos, Jean-Jules, Paris.

28. Return of Spring.

Charles, Antonin-Jean, Paris.

29. Abel.

Cazin, Mme. Marie, Paris.

30. Young Girls.

Chaps, Henri-Michel-Antoine.

31. Joan of Arc.

Chatrousse, Emile, Paris.

32. Young Contemporary.

Chevre, Paul, Paris.

33. Cocks Fighting.

Choppin, Paul-François, Paris.

34. Volunteer of 1776.

Claudel, Mlle. Camille, Paris.

35. Bust of M. Rodin.

Colle, Charles-Alphonse, Paris.

36. Ophelia.

37. The Minuet.

Croisy, Aristide, Paris.

38. The Doll's Toilet.

Daillion, Horace, Paris.

39. Modesty.

Delaplanche, the late Engéne, Paris.

40. Security.

Dubois, Paul, Paris.

41. Four Figures from the Tomb of Lam-

oriciere.

Durand, Ludovic, Courbevoie.

42. The Caress.

Falguiere, Jean-Alexandre-Joseph, Paris.

43. Republican France. Allegorical Statue

Ordered by the French Government

Section.

44. Diana Shooting.

45. Diana.

Fosse, Athanase-Théodore-Frederic, Paris.

46. Souvenir of the Night of Sept. 4, 1851.

Fouques, Henri-Amédée, Paris.

47. "Fox," a Pointer.

## Sculpture.

Exhibit  
No.

- Frémiet, Emmanuel, Paris.  
 48. Man of the Stone Age.  
 49. The Wounded Dog.  
 Frère, Jean, Paris..  
 50. The Two Pigeons.  
 Gaudex, Adrien, Neuilly-sur-Seine.  
 51. The Nymph Echo.  
 Geoffroy, Adolphe-Louis-Victor, Paris.  
 52. Tiger and Antelope.  
 Granet, Pierre, Paris.  
 53. Youth and Chimera.  
 Gravillon, Arthur de, Paris.  
 54. Cardinal Foulon, Archbishop of Lyons.  
 Guglielmo, Lange, Paris.  
 55. Study of a Head.  
 Hannaux, Emmanuel, Paris.  
 56. Mercury and Bacchus.  
 57. Phryne.  
 Hirou, Ernest, Paris.  
 58. Hedge Roses.  
 Houdain, André', Paris.  
 59. Faun.  
 Houssin, Edouard-Charles, Paris.  
 60. In Danger.  
 61. Bust of M. Demont-Breton.  
 62. Bust of Mme. Demont-Breton.  
 Hugues, Jean, Paris.  
 63. (Edipus at Colonna.  
 64. Immortality.  
 65. Woman Playing with her Child.  
 Icard, Honoré, Paris.  
 66. The Rights of Man.  
 Idrac, Antoine-Jean-Marie.  
 67. Salammbo.  
 Itasse, Adolphe, Paris.  
 68. Love Conqueror.  
 Itasse, Mlle. Jeanne, Paris.  
 69. Egyptian Harpist.  
 70. Head of an Old Woman.  
 Kinsburger, Sylvain, Paris.  
 71. In Danger.  
 Labatut, Jules-Jacques, Paris.  
 72. Oath of Hannibal.  
 Lami, Stanislas, Paris.  
 73. First Transgression.  
 74. Danish Hound.  
 Lanson, Alfred, Paris.  
 75. The Age of Iron.  
 76. Diana.  
 Larche, Raoul, Paris.  
 77. Jesus Before the Rabbis.  
 78. At the Mirror.  
 Larroux, Antonin, Paris.  
 79. Judith.  
 Lemaire, Hector, Paris.  
 80. Graziella.  
 81. Eclipse of the Moon.  
 82. Mother Love.  
 83. Child and Rose.

Exhibit  
No.

84. The Task.  
 85. La Cigale.  
 86. Pandora.  
 87. Dream of Love.  
 Lefaux, Etienne, Paris.  
 88. Young Woman Playing with her Child.  
 Levasseur, Henri-Louis, Paris.  
 89. The First Born.  
 90. The Conqueror at the Tournament (Pewter).  
 91. Card Plate. (Pewter).  
 Lombard, Henri-Edouard, Paris.  
 92. Diana.  
 Marioton, Eugène, Paris.  
 93. Chactas.  
 Marqueste, Laurent-Honoré, Paris.  
 94. La Cigale.  
 95. M. Patenotre, Ambassador of France to the United States.  
 Marquet De Vasselot, Anatole, Paris.  
 96. Sculptor of the Renaissance.  
 Massoulle, André-Arthur-Paul, Paris.  
 97. An Ancestor.  
 Meissonier, Jean-Louis-Ernest, Paris.  
 98. The Herald of Murcia. Trumpet of the time of Louis XIII.  
 99. Duroc.  
 100. Design for a Fire-Place.  
 101. The Dancing Muse.  
 102. Wounded Horse.  
 Mercié, Antonin, Paris.  
 103. David the Victor.  
 104. "Even Sol!"  
 Mezzara, Mme. Florence, Mulhouse.  
 105. The Virgin, Child Jesus and St. John the Baptist.  
 Michel, Gustave, Paris.  
 106. The Blind Man and the Paralytic.  
 107. Fortune Holding up her Diadem.  
 108. Aurora.  
 Millet, the late Aimé, Paris.  
 109. Ariadne Abandoned.  
 Mombur, Jean-Ossaye, Paris.  
 110. An Idyl.  
 111. Washington.  
 112. Lafayette.  
 Moreau-Vauthier, Augustin-Jean, Paris.  
 113. Bacchante.  
 114. Fortune.  
 115. Nereide.  
 116. Florentine Head.  
 117. Bacchante.  
 Paris, Auguste, Paris.  
 118. The Return.  
 Pécou, Jean-William-Henri, Paris.  
 119. Bust of M. E. Boeswillwald.  
 Peene, Augustin-Pierre-Charles, Paris.  
 120. Portrait of Mme. C.

# Sculpture

on-Auguste, Paris  
 of Jezebel.  
 polyte, Paris.  
 ction.  
 rançois, Paris.  
 martyr St. Catherine.  
 ys, Paris.  
 aren.  
 star.  
 Emile-Paul, Paris.  
 Cupid.  
 Pierre, Paris.  
 pa, d'Aubigne.  
 lzach, Paris.  
 rsity.  
 isian Woman.  
 lief in Baked Sandstone.  
 ène, Paris.  
 Woods.  
 iste, Paris.  
 of Calais.  
 it of a Man.  
 mis-Auguste, Paris.  
 ocation.  
 edict, Paris.  
 nd Alexander.  
 aux, René de, Paris.  
 Guarding the Secret of the  
 in Chrysostome, Paris.  
 ueror.  
 s, Paris.  
 pe of Iphigenia.  
 l, Paris.  
 ind Man and the Pan.  
 ife, Paris.  
 ndy Woman.  
 ental.  
 l-Charles, Paris.  
 ief of Orpheus.  
 Jenny, Paris.  
 a Buti. (Marble).  
 Years. (Bronze).  
 ich Sculptures from the 11th  
 the 19th Century.  
 by the Bureau of Historical  
 om the studios of the Museum  
 e Sculpture and the Museums.  
 Arts and of the Louvre.  
 ith and 12th Century.  
 of Notre-Dame-de-Port, en-  
 errand—Portal of Southern  
 of Saint-Trophime at Arles.  
 al of Bourges.

- Exhibit  
 No.
149. The Church of Saint-Martin at Brive.
  150. Church of Sainte-Croix at La Charrie (Hievre).
  151. The Monastery of Charlieu.
  152. Cathedral of Chartres.
  153. Cloister of Moissac.
  154. Church of Saint-Eutrope at Saintes.  
 Two Capitals of Pilasters of the Nave.
  155. The Abbey Church Saint Gilles, Central Door and Part of the Western Façade.
  156. Cloister of the Abbey of Daurade in Toulouse. Two Capitals of Columns.
  157. Cathedral of Amiens, West Front Pier of Central Door; 13th century.
  158. Cathedral of Amiens, West Façade, Bases of Left Hand Door, with Figures, The Mouth, Signs, etc.; 13th century.
  159. Cathedral of Amiens, South Façade, Lintel and Pier of Door of Saint-Honore; 13th century.
  160. Cathedral of Amiens; Tomb of Eyrard of Fouilloz, 13th century.
  161. Cathedral of Laon: Six Capitals of Columns of the Tricorium, 13th century.
  162. Cathedral of Paris: Western Façade, Frame of Left-hand Door, 13th century.
  163. Cathedral of Paris: West Façade, Part of Left Door of, 13th century.
  164. Cathedral of Paris: Halfway of Door in West Façade, 13th century.
  165. Cathedral of Reims: Panel of Eastern Door of Transept, 13th century.
  166. Cathedral of Reims: Decoration of the Interior Wall-West Side, 13th century.
  167. Cathedral of Reims: Figure of Prophet from Interior of West side.
  168. Cathedral of Reims: Base and Capital of Pillar, 13th century.
  169. Cathedral of Rouen: Part of West Door, 13th century.
  170. Chapel of Saint-Germer: Ancient Altar Piece—Museum of Cluny, 13th century.
  171. Cathedral of Bordeaux: Door of North Transept, 14th century.
  172. Cathedral of Lyons: Dais Surmounting a Niche, and Doors of Western Front, 14th century.
  173. Cathedral of Sens: Lower Part of Right-Hand Door of Western Front, 14th century.
  174. Church of Saint-Urbain at Troyes: Embellishment of Choir Gallery, 14th century.
  175. Statue of William de Chanac, from the Louvre, 14th century.
  176. Statue of Philippe VI, King of France, from the Louvre.

## Sculpture.

Exhibit  
No.

177. Château de la Ferte-Milon, High relief over door. Coronation of the Virgin. 15th century.
178. Château du Lude, Statuette of Angel for Vane (in hammered copper). 15th century.
179. Statue of Philippe de Morvillier, First President of Parliament of France, from the Louvre. 15th century.
180. Cathedral of Aix, Door of West Façade. 18th century.
181. Cathedral of Beauvais, Door of South Transept. 16th century.
182. Cathedral of Chartres, six Pilasters from Choir Screen, Jean le Texier. 16th century.
183. Château de Gaillon, Stalls from the Chapel Choir. 16th century.
184. Gallery in the Cathedral of Limoges (artist unknown). 16th century.
- Jean Cousin (attributed to).**
185. Cathedral of Mans. Tomb of William of Bellay.
186. Cathedral of Nantes. Tomb of Francis II.
- 186a. Cathedral of Nantes. Fontaine des Innocents.

**Hotel Carnavalet, Paris.****Jean-Goujon.**

187. Abundance.
188. Children.
189. Diana.
190. Fame.
- 190a. Lion.
191. Two Victories. The Louvre.
192. Child with a Whistle.
193. Two Trophies—Fauns and Satyrs.
194. Compartments with Deer's Head and Fruit.
195. Compartments with Lion's Head and Vase with Flames.
196. A Group of Children.
198. The Infant Jupiter.
199. Posts Forming a Square.
200. Top of Frame and Crown of Fruit.
201. Young Tritons Forming Tubes.
202. Tubes Forming Frames.
203. Door Jambs Ornamented with Flowers.
204. Head of Faun.
205. Church of St. Maclou at Rouen. Western Façade.
206. Door of the North Transept of the Church of St. Maclou at Rouen.
- Michael Colombe (1512).**
207. The Tomb of Frances II, Duke of Brittany, and of Marguerite de Foix, from the Cathedral of Nantes.

Exhibit  
No.

- Jean Goujon.**
208. Bas-relief for the Fountain of Innocents, Paris.
209. Nymph of the Seine. Tritons and Nereids. Nymph of the Seine. **Paul Ponce.**
210. The Trophies.
211. Nine Masks, Fauns and Satyrs.
212. Lion.
- Jean Cousin and Jean Goujon (attributed to).**
213. Cathedral of Rouen—Tomb of Louis Breze.
214. Five Bas-reliefs Representing the Field of the Cloth of Gold, from the Hotel of Bourgtheroulde, at Rouen.
- Germain Pilon.**
215. The Interior of the Abbey Church.
216. The Tomb of Henry II and Catherine de Medici, with their Statues.
- Jean Juste.**
217. Tomb of the Children of Charles the VIII, King of France, in the Cathedral of Tours.
218. One of the Bas-reliefs of the High Altar in the Church of St. Jean at Troyes.
219. Bas-relief Representing the Adoration of the Magi in the Church of St. Nicholas of Troyes.
- Michel Colombe.**
220. Saint George and the Dragon. The Louvre.
- Michel Colombe.**
221. The Virgin with the Child, called the Virgin of Olivet. (The Louvre.)
222. Figure of Roberte Legendre from a Tomb of 1522.
- Germain Pilon.**
223. Virgin of Grief, called the Virgin of Saint Cyr.
- Germain Pilon (1535).**
224. The Three Graces.
- Barthelemy Prieur (1611).**
225. Marie de Brabant-Cary.
- Pierre Puget (1622-1694).**
226. Door of the Hotel de Ville at Touren.
- Pierre Puget.**
227. Faun.
- Girardon (1628-1715).**
228. Nymphs Bathing.
- Lehongre (1628-1690).**
229. River and Children.
- Legros (1629-1714).**
230. River and Children.
- Lehongre.**
231. Nymph and Cupid on a Dolphin.

## Sculpture, Paintings in Oil.

## GROUP 140.

## Paintings in Oil.

In Galleries 47 and 49-57.

mph and Cupid on a Dolphin.

x (1640-1720).

e Garonne River.

x.

e Dordogne River.

(1647-1715).

mph and Cupid.

mph and Cupid.

e (1645).

up of Children.

nize Group of Children Playing

wan.

(1627-1684).

d Torch-Bearer, 17th century.

ch-Bearer, 17th century.

e of 17th century.

## Parterre of Latone.

eu.

hante.

1737-1817).

ules.

ph with a Shell.

## Chateau of Marly.

pherd and Little Satyr.

ustou (1658-1733).

is Resting From the Chase.

and Cupid.

ndryad and Child.

1685-1720).

Adelaide of Savoy.

istor.

nt Custom-House at Rouen.

orrain.

ancient Hotel de Rohan at Paris

oustou.

Leczinska, Queen of France.

n.

h with Goat.

re.

de.

litan Fisherman.

and Hare.

trangling a Boa.

Abbema, Louise, Paris.

259. Japan.

Achille-Cesbron, Paris.

260. Sleep Flowers.

Adan, Louis-Emile, Paris.

261. Return of the Grape Pickers.

262. Last Ray of the Sun.

Agache, Alfred-Pierre, Paris.

263. Vanity.

264. The Annunciation.

265. An Enchantress.

Allegre, Raymond, Paris.

266. The Old Port, Marseilles.

267. Villefranche.

Aman-Jean, Edmond, Paris.

268. Venice.

269. In Sicily.

Appian, Adolphe, Lyons.

270. Morning Fog.

Argence, Eugène d', Paris.

271. Night in the Hamlet of Preval.

Attendu, Ferdinand, Paris.

272. Corner in a Dairy.

Aubert, Ernest-Jean, Paris.

273. Love's Captives.

Aublet, Albert, Paris.

274. Women on the Seashore.

275. The Aged.

276. The Sacrament.

Auguin, Louise-Augustin, Bordeaux.

277. Cape Breton Heath.

Axilette, Alexis, Paris.

278. Cupid and Folly.

279. A Huntress.

Bail, Joseph, Paris.

280. Young Scullion Playing with a Cat.

Bail, Jean-Antoine.

281. At Nesle-la-Vallée.

282. In the Cellar.

Baillet, Ernest, Paris.

283. The First Lights on the Seine.

284. September Morning on the Seine.

Balouzet, Auguste, Lyons.

285. Morning in the Meadows of Riorgues.

Barau, Emile, Neuilly-sur-Seine.

286. In Autumn.

287. The Rouazes.

Barillot, Léon, Paris.

288. Train 47.

289. The Valley of Seules.

Barrias, Félix-Joseph, Paris.

290. Returning from Circumcision, Fan-

cier.

291. Conjuring among Courtesans, Venice.

## Paintings in Oil.

## Exhibit

- No.  
292. The Narghilieh. Georgian and Circassian.  
**Bartholomé, Albert, Paris.**  
293. Hunting the Slipper.  
**Baschet, Marcel, Paris.**  
294. Portrait of My Grandmother.  
295. Portrait of Mademoiselle X.  
**Baudouin, Paul-Albert, Paris.**  
296. Mimosa.  
297. Portrait of Mr. Elisee Reclus.  
**Beauvais, Armand, Paris.**  
298. La Planche Baron.  
**Beauverie, Charles-Joseph, Paris.**  
299. Sun Piercing the Fog on the Lignon.  
300. The Potato Harvest.  
**Benjamin-Constant, Jean-Joseph, Paris.**  
301. The Triumph of Christopher Columbus.  
**Benner, Emmanuel, Paris.**  
304. The Alarm.  
**Benner, Jean.**  
305. Solitude.  
305½ Japanese Chrysanthemums.  
**Beraud, Jean, Paris.**  
306. Descent from the Cross.  
**Bergeret, Pierre-Denis, Paris.**  
307. War, Art, Religion.  
308. Music.  
309. The Dessert.  
**Bernier, Camille, Paris.**  
310. Pines at Kerlagadic, Brittany.  
**Berteaux, Hippolyte, Paris.**  
311. Return of a Deserter.  
**Berthelon, Eugène, Paris.**  
312. A Port Life-boat Saving Men from the Boat Pauline; Wrecked on the Rocks near Grainval.  
**Berton, Paul-Emile, Paris.**  
313. White Poplars in the Forest of Fontainebleau.  
**Bertrand, Paulin, Paris.**  
314. Morning on the Seashore.  
**Besnard, Paul-Albert, Paris.**  
315. Two Ponies Harassed by Flies.  
**Beyle, Pierre-Marie, Chennevières-sur-Marne.**  
316. Life Saving from a Wreck.  
**Billotte, René, Paris.**  
317. Winter Sun at the Courcelles Gate.  
318. Moonrise on the Canal, St. Denis.  
**Binet, Adolphe, Paris.**  
319. The Lovers.  
320. The Close of Day.  
**Binet, Victor-Barthelemy, Paris.**  
321. The Pont des Arts, Paris.  
322. Paris from the Gentilly Quarries.  
**Bisson, Edouard-Louis, Paris.**  
323. The Ideal.

## Exhibit

- No.  
**Biva, Henri, Paris.**  
324. Tremier Roses, Place de Versailles.  
**Blanche, Jacques-Emile, Paris.**  
325. The Host.  
**Bompard, Maurice, Paris.**  
326. Entrance of Old Chetna, Oasis, near Biskra.  
**Bonheur, Rosa, Thomery.**  
327. The King of the Forest.  
328. The Overthrow.  
**Bonnat, Léon-Joseph-Florentin, Paris.**  
329. Portrait of Cardinal Lavigerie.  
330. Portrait of M. Renan.  
**Bonnefoy, Adrien, Paris.**  
332. The Nativity.  
**Bonnefoy, Henri, Paris.**  
333. A Family Group. Sheep.  
**Bordes, Ernest, Paris.**  
334. The Ribbon-Maker.  
**Boucher, Alfred-Jean, Paris.**  
335. The Old Road of Beryille.  
**Boucher, Joseph-Felix, Paris.**  
336. April.  
**Bouguereau, William-Adolphe, Paris.**  
337. The Women at the Tomb.  
338. Our Lady of the Angels.  
339. The Wasp's Nest.  
**Boulard, Emile-Alexandre, Paris.**  
340. Close of the Mass.  
**Bourgain, Gustave, Paris.**  
341. Return on Board.  
**Bourgeois, Eugène-Victor, Neuilly.**  
342. Fishermen's Hut.  
**Bourgogne, Pierre, Sévres.**  
343. Spring Flowers.  
**Bourgonnier, Claude, Paris.**  
344. Temptation.  
**Boutigny, Emile, Paris.**  
345. Bonaparte in Italy.  
346. Combat in a Village.  
**Bramtot, Alfred-Henri, Paris.**  
347. Job's Comforters.  
348. The First Communion.  
**Bremont, Jean-Louis, Paris.**  
349. A Wave.  
**Brest, Fabius, Paris.**  
350. The Rialto Bridge, Venice.  
**Breton, Jules-Adolphe, Paris.**  
351. The Pardon of Kergoat.  
352. Breton Woman.  
353. Young Girls Going to the Procession.  
**Brispot, Henri, Paris.**  
354. Returning from a Pardon in Brittany.  
**Brouillet, André, Paris.**  
355. Portrait of Mlle. Darlaud.  
**Brun, Charles, Paris.**  
356. The Wife of the Levite of Ephraim.  
**Brunet, Jean, Levallois-Perret.**  
357. Return of the Wedded Couple.

## Paintings in Oil.

Eugène-Jean, Charly...  
 opagand...  
 ie Apprentice's Lesson.  
 1. Mlle. Berthe, Paris.  
 Widow.  
 1. Eugène, Paris.  
 High Pasture Grounds.  
 Charles, Paris.  
 1 Touraine Quarries.  
 e Port of Lavardin.  
 , Emile, Paris.  
 ow on Montmartre, Paris.  
 orges-Jules-Auguste, Paris.  
 Barricade of 1830.  
 uri, Paris.  
 the Louvre Museum.  
 Joseph, Paris.  
 e Grandmother.  
 Duran, Emile-Auguste, Paris.  
 trait of Madame A.  
 trait of Madame G. F.  
 trait of Madame J. H.  
 Jellense, Louis-Robert, Paris.  
 the Capstan.  
 es-Cyville, Paris.  
 martyr in the Roman Catacombs.  
 u, Jean-Ferdinand, Paris.  
 ourise.  
 ummer Evening.  
 ouis, Paris.  
 e.  
 , Eugène, Paris.  
 iers Bathing.  
 er, Gaston, Paris.  
 olen Kiss.  
 Théobald, Paris.  
 rait of His Holiness Pope Leo  
 igène, Valenciennes.  
 ung at Berck-sur-Mer.  
 Interrupted Fishing.  
 Georges, Paris.  
 Evening; on the lagoon.  
 ène, Paris.  
 Reader.  
 igène, Paris.  
 risian Carriage. (Flowers).  
 in-Maxime, Paris.  
 s Purposes.  
 hael, Paris.  
 a.  
 ait of My Father.  
 a Sea Coast.  
 orges, Paris.  
 rative Panel—A Day in Autumn.  
 aurice-Francis-Auguste, Poissy.  
 ing Storm.  
 ight of Saint Guenoi.

Exhibit  
No.

Courtois, Gustave, Neuilly, Seine.  
 391. A Fortunate One.  
 392. Portrait of Madame Gauthereau.  
 Couturier, Léon, Paris.  
 393. At the Capstan—"Heave Round."  
 Dameron, Emile-Charles, Paris.  
 394. Growing Flowers on the Cape of  
 Antibes—February.  
 Damoye, Pierre-Emmanuel, Paris.  
 395. Sunset Over the Marshes of Trembl  
 levif.  
 396. Breton Wheat Fields.  
 Dantan, Edouard, St.-Cloud.  
 397. A Restoration.  
 398. "The Poor People."  
 Dardoize, Emile, Paris.  
 399. The Spring.  
 Dargent, Jan, Creac'h Andre.  
 400. Breton Night Spectres.  
 Dastugue, Maxime, Paris.  
 401. An Anniversary.  
 Dauphin, Eugène, Paris.  
 402. The Iphigenia in the Roadstead of  
 Toulon.  
 David-Nillet, Germain, Paris.  
 403. October.  
 David De Sauze, Jean, Paris.  
 404. At the Inn.  
 Dawant, Albert-Pierre, Paris.  
 405. Close of the Mass.  
 Debat-Ponsan, Edouard-Bernard, Paris.  
 406. Noon.  
 407. In My Greenhouse.  
 Delacroix, Henry-Eugène, Paris.  
 408. Awakening.  
 409. Sea Birds and Wave.  
 410. The Enchanted Hour.  
 Delance-Feurgard, Paris.  
 411. In the Garden.  
 Delance, Paul-Louis, Paris.  
 412. Decorative Panel: Water.  
 Delobbe, François-Alfred, Paris.  
 413. Breakfast After the Bath.  
 Delort, Charles-Edouard, Paris.  
 414. Pichegru takes the Dutch Ships on  
 the Zuyder Zee.  
 Delpy, Camille, Paris.  
 415. Washerwomen at Sunrise.  
 Demont, Adrien-Louis, Montgeron.  
 416. Lilies.  
 417. Winter in Flanders.  
 418. Youth.  
 Demont-Breton, Mme. Virginie, Montgeron.  
 419. A Drenching.  
 420. Daybreak.  
 421. In Wonderland.  
 Deully, Eugène-Auguste-François, Paris.  
 424. Dreams and Facts.  
 425. Venus Wounded.



## Paintings in Oil.

- Steps.  
e - Augustine - Marguerite,  
ny in White.  
ert, Paris.  
ng Somp  
e-François, Paris.  
tion.  
e Charles.  
hard, Paris.  
e Woods.  
Paris.  
in 1793.  
aris.  
Cardinal.  
Ferdinand, Paris.  
laboratory, Paris.  
1, Paris.  
light.  
e-Alfred, Paris.  
e Plateau of the Fairies"  
bleau.  
Antoine, Paris.  
at Moret.  
St. Vaast.  
Irene, Paris.  
Vainut Trees at Vezelay in  
Antoine, Paris.  
M. G. A. E.  
aris.  
Brother."  
Victor, Grenoble.  
he Lys at Bagneres-de-  
ques.  
ny Brother.  
Charles, Paris.  
Farm.  
Alexandre, Paris.  
a Tomb.  
Besançon-Beauregard.  
s of the Doubs.  
h, Paris.  
vening.  
aris.  
erdinand, St. Germain-  
h, Paris.  
on.  
Ferdinand, Paris.  
d Woods.  
Way.
- Exhibit  
No.  
Japy, Louis, Paris.  
524. An October Evening in the Somme  
Valley.  
Jeannot, Pierre-Georges, Paris.  
525. Young Woman with a Box.  
526. Kitchen-Garden.  
Jolyet, Philippe, Bayonne.  
527. Mignon.  
Joubert, Léon, Paris.  
528. The Mill Hamlet at Clairefontaine.  
Jourdeuil, Adrien, Paris.  
529. Twilight and October Moon on the  
Banks of the Seine.  
Kreutzer, Alexandre-Ferdinand, Marlotte.  
530. Forest of the Deluge, Fontainebleau.  
Kreider, Alexis, Paris.  
531. Fruit.  
Krug, Edouard, Paris.  
532. Oedipus and Antigone.  
Lagarde, Pierre, Paris.  
533. The Close of Day.  
534. The Habitation.  
La Haye, Alexis-Marie, Nîmes.  
535. The Little Claude, A Provençal In-  
terior.  
536. Olive Grove on a Summer Evening,  
Lamy, P. Franc, Paris.  
537. Flowery Spring.  
Landelle, Charles, Paris.  
538. Young Girl of Toumourth, Algiers.  
Laroche, Amand, Paris.  
539. The Compact of Faust.  
La Touche, Gaston, Saint-Cloud.  
540. Strike of Miners.  
541. A Feast Day.  
Langee, Désiré-François, Paris.  
542. The Day of the Poor.  
Laugée, Georges, Paris.  
543. In the Springtime of Life.  
Laurens, Jean-Paul, Paris.  
544. The Seven Troubadours.  
545. Christopher Columbus.  
La Villette, Mme. Elodie, Lorient.  
546. The Sea, Port Blanc, Quiberon.  
Layraud, Joseph-Fortuné, Valenciennes.  
547. Portrait of Liszt, made at Rome, 1869.  
Lebayle, Charles, Paris.  
548. The Shepherd and the Sea.  
Le Blant, Julien, Paris.  
549. The Return of the Regiment.  
LeCamus, Louis, Paris.  
550. The Seashore at Cape Martin.  
Lecomte, Victor, La Varenne-St.-Hilaire.  
551. The First Meeting.  
Leenhardt, Max, Paris.  
552. Mary Magdalen.  
Leloir, Maurice, Paris.  
554. Manon Lescaut.  
555. Fleeing Protestants, 1685.

## Paintings in Oil.

- | Exhibit No. | Artist  | Exhibit No. | Artist                                |
|-------------|---|-------------|---------------------------------------|
| 556.        | Lemaire, Mme. Madeleine, Paris.                               | 591.        | Merlot, Emile-Justin, Paris.          |
| 557.        | The Fairies' Car.   | 592.        | Michel, Marius, Paris.                |
| 558.        | The Fall of the Leaves.                                       | 593.        | Photograph of a Mummy.                |
| 559.        | Prunelle.   | 594.        | A Pastel Portrait.                    |
| 560.        | Lepère, Auguste-Louis, Paris.                                 | 595.        | Monginot, Charles, Paris.             |
| 561.        | A Late September Twilight.                                    | 596.        | "First Award."                        |
| 562.        | Le Poittevin, Louis, Paris.                                   | 597.        | Montenard, Frederic.                  |
| 563.        | On the Beach.   | 598.        | On the Bridge over the Wall.          |
| 564.        | The Road of La Courtine.                                      | 599.        | Under the Arbor.                      |
| 565.        | Leroy, Paul-Alexander-Alfred, Paris.                          | 600.        | Montzaigle, Edouard, Paris.           |
| 566.        | The Blind Men of Jericho.                                     | 601.        | Five O'Clock.                         |
| 567.        | Leroy D'Etioles, Mme. Helen, Paris.                           | 602.        | Moreau, Adrien, Paris.                |
| 568.        | Diapa.  | 603.        | The Bath.                             |
| 569.        | Le Sénéchal De Kerdreoret, Gustave-Edmond, Paris.             | 604.        | Moreau De Tours, Georges, Paris.      |
| 570.        | Cancalais Women Returning from the Oyster Beds After a Storm. | 605.        | Carnot at Waddington.                 |
| 571.        | Lessorre, Henri-Emile.  | 606.        | Morphism.                             |
| 572.        | The Modest Mother.  | 607.        | Morlon, Antoine-Paul-Emile, Paris.    |
| 573.        | Levy, Henri-Léopold, Paris.                                   | 608.        | The Struggle for Life.                |
| 574.        | The Death of Eurydice.  | 609.        | Morot, Nicolas-Aimé, Paris.           |
| 575.        | Le Liepyre, Maurice, Paris.                                   | 610.        | "Bravo, Toro!"                        |
| 576.        | The Fishing Party.  | 611.        | Prisoner.                             |
| 577.        | Lhermitte, Léon-Augustin, Paris.                              | 612.        | Moteley, Jules-Georges, Paris.        |
| 578.        | Repose.   | 613.        | Old Washing Place at Clercy.          |
| 579.        | The Friend of the Lowly.                                      | 614.        | Motte, Henri-Paul, Neuilly-sur-Seine. |
| 580.        | Loewe-Marchand, the late Frédéric, Paris.                     | 615.        | The 10th of August, 1792.             |
| 581.        | Myrrha.   | 616.        | Mousset, Pierre-Joseph, Saint-Mandé.  |
| 582.        | Loustaunau, Louis-Auguste-Georges, Paris.                     | 617.        | The Toilet.                           |
| 583.        | Presentation of the Standard to Recruits.                     | 618.        | Moutte, Alphonse, Marseilles.         |
| 584.        | Bridge Work at Bougival.                                      | 619.        | In the Sunshine.                      |
| 585.        | Lucas, Félix-Hippolyte, Paris.                                | 620.        | Entrance to the Harbor of Marseilles. |
| 586.        | The Virgin's Thread.  | 621.        | Moyse, Edouard, Paris.                |
| 587.        | Luminais, Evariste-Vital, Paris.                              | 622.        | The Arrival at the Synod.             |
| 588.        | End of a Romance.   | 623.        | Muenier, Jules-Alexis, Paris.         |
| 589.        | Sixteenth Century Chasseurs.                                  | 624.        | Algerian Women on the Housetops.      |
| 590.        | Luminais, Mme. Helene, Paris.                                 | 625.        | Fine Days.                            |
| 591.        | Decorative Figure, Erato.                                     | 626.        | On the Bridge.                        |
| 592.        | Lunois, Alexandre, Paris.                                     | 627.        | Munier, Emile, Paris.                 |
| 593.        | Last Rays.  | 628.        | The Cold Bath.                        |
| 594.        | Machard, Jules, Paris.  | 629.        | Muraton, Louis, Paris.                |
| 595.        | Garden Party.   | 630.        | Ready for the Ball.                   |
| 596.        | Maignan, Albert, Paris.                                       | 631.        | Nardi, François, Paris.               |
| 597.        | The Birth of the Pearl.                                       | 632.        | Mistral Wind Blowing on the Sea.      |
| 598.        | William the Conqueror.  | 633.        | Néméz, J. B. Augustin, Paris.         |
| 599.        | The Siren's Couch.  | 634.        | On the Brink of the Abyss.            |
| 600.        | Maillart, Diogène-Ulysse, Paris.                              | 635.        | Noirrot, Emile, Roanne.               |
| 601.        | Joan of Arc Listening to the Voices.                          | 636.        | The Loire at the Falls of Perron.     |
| 602.        | Marais, Adolphe.  | 637.        | Nozal, Alexandre, Paris.              |
| 603.        | The Saulee.   | 638.        | Wheat Shocks near Lecuyer Farm.       |
| 604.        | Returning Home.   | 639.        | Etretat.                              |
| 605.        | Martin, Jean-Guillaume-Henri, Paris.                          | 640.        | In the Bay of Mont Saint-Michel.      |
| 606.        | Falsehood.  | 641.        | Olive, Jean-Baptiste, Paris.          |
| 607.        | Spring.   | 642.        | The Isle of Maire, near Marseilles.   |
| 608.        | Young Saint.  | 643.        | Otemar, Edouard d', Paris.            |
| 609.        | Mathey, Paul, Paris.  | 644.        | Corner in a Studio.                   |
| 610.        | First Prize.  | 645.        | Paradis, Adrien, Paris.               |
|             |   | 646.        | Hector Bédouzet.                      |
|             |   | 647.        | Paris, Alfred, Paris.                 |
|             |   | 648.        | In Full Flight.                       |

Paintings in Oil.

Paris.  
 Gate of Tibur at Rome.  
 e Paul, Paris.  
 at in Bloom, Banks of the  
 e Leon-Germain, Paris.  
 of Jumieges.  
 Avanne (Doubs).  
 of Chatel-Cuzance (Doubs).  
 Paris.  
 John.  
 Paris.  
 ala of Taadmit, South  
 Paris.  
 on of Prizes.  
 hepherd.  
 ond, Paris.  
 Champagne  
 e in Lorraine.  
 ; the late Mme., Paris.  
 ne Beach.  
 Paris.  
 audancourt.  
 a Man.  
 te-Emmanuel, Paris.  
 intain.  
 orning.  
 r Evening.  
 ris.  
 ty.  
 is.  
 de L'Institut.  
 id-Just, Paris.  
 in Twilight.  
 t, Paris.  
 t of the Quarry.  
 arie.  
 Panel, Flowering Laurels.  
 Paris.  
 e O'clock.  
 e, Paris.  
 le.  
 rancois, Paris.  
 Father:  
 nts of Plougastou, Brit-  
 , Horses on the Road.  
 Paris.  
 nder the Trees,  
 arie.  
 Torchlight.  
 1-Paul-Marie de, Paris.

Exhibit  
 No.  
 Richet, Léon, Paris.  
 657. Plain of Moret, near Fontainebleau.  
 Rigolot, Albert-Gabriel, Paris.  
 658. The Banks of the Doubs.  
 659. Snow in the Forest of Fontainebleau.  
 Rixens, André, Paris.  
 660. Don Juan in Hell.  
 Robert-Fleury, Tony, Paris.  
 661. Portrait of Robert-Fleury.  
 662. Under Louis XVI.  
 Rochegrosse, Georges, Paris.  
 663. The Spoil.  
 664. The Affianced.  
 Roger-Jourdain, Paris.  
 665. Yachting.  
 Roll, Alfred-Philippe, Paris.  
 666. Young Girls.  
 667. Women on the Grass.  
 668. Trotting.  
 Rondel, Henri, Paris.  
 669. Portrait of James Gordon Bennett.  
 Rongier, Mlle. Jeanne, Paris.  
 670. Portrait of Madame Alexandre Nozal  
 and her Son.  
 Ronot, Charles, Paris.  
 671. The Dead Conversing in the Other  
 World.  
 Rosset-Granger, Paris.  
 672. Young Girl Chasing Butterflies.  
 673. The Stray.  
 674. Evening at a Fête in Provence.  
 Roussin, Georges, Paris.  
 675. Portrait.  
 Roy, Marius, Paris.  
 676. Zouaves and Fort Soldiers on Duty.  
 Royer, Lionel, Paris.  
 677. Cupid and Psyche.  
 Rozier, Dominique, Paris.  
 678. A Fisherman's Yard at Dieppe.  
 Sain, Edouardi, Paris.  
 679. Dreaming.  
 679a. The Old Peasant.  
 Sain, Paul-Jean-Marie, Paris.  
 680. The Chalky Road near Avignon.  
 Saintin, Henri, Paris.  
 681. Portrait of Professor Charcot.  
 Saintin, Jules-Emile, Paris.  
 682. Réverie.  
 Saint-Germier, Joseph, Paris.  
 683. Close of a Bull Fight at Seville.  
 684. Holy Week at Seville.  
 Saint-Pierre, Gaston-Casimir, Paris.  
 685. Soudja Sari.  
 686. Saadia.  
 Saubes, Daniel-Léon, Paris.  
 687. Marat, Friend of the People.  
 Sautai, Paul-Emile, Paris.  
 688. Meditation.

## Paintings in Oil, Engravings, Etchings, Lithographs, Prints.

Exhibit  
No.

- Sauzay, Adrien-Jacques, Paris.  
 689. Village in Lorraine, Banks of the Mouzon.  
 Scherrer, Jean-Jacques, Paris.  
 690. Duval d'Espremeni Mobbed by the Populace; 1793.  
 Sinibaldi, Paul, Paris.  
 691. Salambo.  
 692. A Daughter of Rajahs.  
 Surand, Gustav, Paris.  
 693. St. George and the Dragon.  
 694. Annam Tiger.  
 Tanzi, Léon, Paris.  
 695. Spring.  
 Tattegrain, Francis, Paris.  
 696. Worm Hunter at Daybreak.  
 Tavernier, Paul, Paris.  
 697. Huntsman Blowing the Retreat from the Water.  
 Thiollet, Alexandre, Paris.  
 698. Mouth of the Seine at Villerville.  
 Thirion, Eugène-Romain, Paris.  
 699. Cupid and Psyche.  
 700. "The Boats do Not Return."  
 Thomas, Paul, Paris.  
 701. First Communion.  
 Thurner, Gabriel, Paris.  
 702. My Start in Hunting.  
 Tissot, James, Paris.  
 The Prodigal Son. Four paintings.  
 703. The Departure.  
 703a. In a Strange Land.  
 704. The Return.  
 704a. The Fatted Calf.  
 Thys, Gaston, Paris.  
 705. A Bathier.  
 Tournès, Etienne, Paris.  
 706. Drowsiness.  
 Truchet, Abel, Paris.  
 707. Place de la Concorde, Paris.  
 Truphème, Auguste, Paris.  
 708. A Singing Lesson in a Public School in Paris.  
 Umbricht, Honoré, Paris.  
 709. In the Vosges Mountains.  
 Valadon, Jules-Emmanuel, Paris.  
 710. Mater Dolorosa.  
 Vauthier, Pierre-Louis, Paris.  
 711. At the Fête of the Esplanade of the Invalides.  
 Veyrassat, Jules-Jacques, Paris.  
 712. The Last Load of Wheat.  
 Vimont, Edouard, Paris.  
 714. The Death of Archimedes.  
 Vuillefroy, Félix de, Paris.  
 715. In the Basque Country.  
 716. Winter Pastures.  
 717. An Inn in Old Castille.

Exhibit  
No.

- Weber, Theodore, Paris.  
 718. Flessingue.  
 Weerts, Jean-Joseph, Paris.  
 719. The Muscadine Hero.  
 720. Portrait of Boucher-Cadart.  
 721. Portrait of Firmin Javel.  
 Weisz, Adolphe, Paris.  
 722. The Gallant Hunter.  
 Wencker, Joseph, Paris.  
 723. Basilissa.  
 724. Portrait of M. Boulanger, 1800 Master.  
 725. Portrait of a Young Woman.  
 Yarz, Edmond, Paris.  
 726. Statue of Colleone, Venice.  
 727. A Spring Morning near Paris.  
 Yon, Edmond-Charles, Paris.  
 728. A Cross in the Downs of Camiers-sur-Mer.  
 Yperman, Louis, Paris.  
 729. Saint Cecelia.  
 Yvon, Adolphe, Paris.  
 730. Portrait of Carnot, President of the French Republic.  
 Zillhardt, Jenny, Paris.  
 731. Spleen.  
 Zuber, Jean-Henri, Paris.  
 732. Under the Beeches.  
 733. Evening Mist.  
 734. Pasture Land in the Jura.  
 Zwiller, Auguste, Paris.  
 735. A Lesson at the Institute for the Blind Children at Ilzach.

## GROUP 143.

Engravings, Etchings, Lithographs,  
Prints.

In Galleries 46, 47.

- Alasonière, Henri, Paris.  
 736. The Return.  
 Annedouche, Alfred-Joseph, Paris.  
 737. The Virgin.  
 Ardail, Albert, Paris.  
 738. Portrait of Madame Jarre.  
 739. The Little Girl with the Shepherd's Crook.  
 Bahuet, Alfred, Paris.  
 740. Juan Prim.  
 Baude, Charles, Paris.  
 741. The Old Lady.  
 742. A. Dumas, Jr.  
 742a. The Fortune Teller.  
 Baudoin, Franck, Paris.  
 743. A Drinker.  
 Bazin, Léon, Paris.  
 744. Erasmus.

Engravings and Etchings, Prints.

Moreau.  
ophiles.  
of Mme. L. S.  
Paris.  
f Beatrice D'Este.  
tion of the Virgin.  
Felix, Sèvres.  
  
Chance.  
x Drawers.  
rel.  
s. Louis, Rouen.  
Church at Caen.  
Whiten, Aspens Quiver.  
enice.  
aris.  
ter Bridge.  
is-Eugène, Paris.  
Woman.  
ur de Segur.  
linand, Paris.  
ay.  
ouis, Paris.  
Judgment.  
ile, Paris.  
  
v Grove.  
min-Auguste-Louis, Paris.  
rs.  
aptiste, Paris.  
  
nan at Her Toilet.  
's Sister.  
Pius VII and Cardinal  
Théodore, Varanne-Saint-  
z.  
Paris.  
oth, Brittany.  
Alexandre, Paris.  
thedral.  
chel.  
Paris.  
t Her Window.  
  
uis, Paris.  
r.  
Paris.  
oung Girl.  
and, Paris.  
.  
  
nne of Cleves.  
Thiers.

Exhibit  
No.  
Dillon, Henri-Patrice, Paris.  
784. The Shower.  
Dubouchet, Henri-Joseph, Paris.  
786. The Divine Tragedy.  
Flameng, Leopold, Paris.  
787. M. Pasteur.  
788. The Glorification of Law.  
789. Grolier at the Printer Akle's House.  
Focillon, Victor-Louis, Paris.  
790. The End of the Book.  
791. Corner of the Farm.  
Froment, Emile, Paris.  
792. Portrait.  
Froment, Eugène, Paris.  
793. The Sheriffs.  
Gaujean, Eugène, Paris.  
794. Frame with two Colored Engravings—  
Souvenir and The Abandoned One.  
Gautier, Armand.  
795. Thursday's Promenade.  
796. Portrait of M. Delyanné.  
Gilbert, Achille.  
797. The King of the Forest.  
798. The Boars.  
Goeneutte, Norbert, Paris.  
799. Maud.  
800. Venice from the Slavonic Quay.  
Guérard, Henri, Paris.  
801. Rock Crystal Vase.  
802. Portrait of my Mother.  
803. The Bridge at Mantes.  
Guichard, Mlle. Louise, Paris.  
804. The Harbor of Dunkirk.  
Gusman, Pierre, Paris.  
805. Hill-Bobb.  
Jacque, Frédéric, Paris.  
806. Flock of Sheep.  
Jacquet, Achille, Paris.  
807. The Report.  
808. The Sign Painter.  
809. The Sharpshooters.  
Jacquet, Jules, Paris.  
810. Portrait of the Sergeant.  
811. "1814."  
812. "1807."  
Jacob-Bazin, Madame, Paris.  
813. Primavera.  
Laguillermie, Frédéric-Auguste, Paris.  
814. The Children of Charles I.  
815. Portrait of Helen Fourment.  
816. The Young Duke.  
Lalauze, Adolph.  
817. The Halt.  
Lamotte, Alphonse, Paris.  
818. The States General, June 23, 1789.  
Lecouteux, Lionel, Paris.  
819. The Lunch.  
820. End of the Summer.

## Engravings and Etchings, Prints, Water Colors, Pastels and Drawings.

Exhibit  
No.

821. Return from the Bear Hunt—Stone Age.  
Lepère, Auguste, Paris.  
822. Cathedral of Rouen.  
823. Fête at the Tuilleries.  
824. Close of Parliament at London.  
Lessore, Henri-Emile, Paris.  
825. Portraits of E. Morin and Jules Janin.  
Levasseur, Jules-Gabriel, Paris.  
826. The Cervarolles.  
827. The Oath of the Horatii.  
Leveillé, Auguste, Paris.  
828. Bust of Dalou.  
829. Inauguration of the Opera  
830. Bust of Baudry.  
Levy, Gustave.  
831. Virgin with the Veil.  
832. Melody.  
Louveau-Rouveyre, Mme., Paris.  
833. Portrait of Andre Vesale.  
Lunois, Alexandre, Paris.  
834. Wine.  
835. A Dutch Woman of Volendam.  
836. Night Worship.  
Manesse, Georges-Henri, Paris.  
837. Portrait of Madame Beereystone.  
838. Supposed Portrait of Louis del Rio's Wife.  
Mongin, Augustin, Paris.  
839. The Order.  
840. The Song.  
Morse, Auguste-Achille.  
840a. Moliere and Corneille.  
840b. Benedicite.  
Pannemaker, Stéphane, Paris.  
841. Young Girl.  
842. The Dream.  
Patricot, Jean, Neuilly-sur-Seine.  
843. Portrait of Raphael's Mother.  
844. The Vision of Ezekiel.  
Poncet, Jean-Baptiste, Lyons.  
845. Adam and Eve.  
846. The Burning Bush.  
847. Birth of Jesus.  
848. The Entry into Jerusalem.  
849. Jesus Ascending Calvary.  
Poynot, Mlle. Gabrielle, Paris.  
850. Réverie.  
Rapine, François, Boulogne-on-the-Seine.  
851. Rabbi, Commenting on the Bible.  
Robert, Charles, Paris.  
852. Portrait of Queen Isabel.  
Rousseau, Alfred, Paris.  
853. The Lost Travelers.  
Sirouy, Achille, Paris.  
854. The Sleeping Jesus.  
855. The Descent from the Cross.  
856. Venus and Adonis.

Exhibit  
No.

- Sulpis, Jean-Joseph.  
857. Staircase of the Opera House.  
Sulpis, Emile-Jean, Paris.  
858. Saint Sebastian.  
Tissot, James, Nantes  
859. The Prodigal Son: The Departure  
In a Foreign Land; The Return; The Fatted Calf.  
Villemens, Adrien, Noisy-le-Grand, Seine-et-Oise.  
861. Marriage of Charles VII and Anne de Bretagne.  
Vintraut, Frédéric-Godefroy, Havre.  
862. The Bohemian Girl.  
863. A Man's Head.

## GROUPS 141, 142, 144.

## Miniatures, Water Colors, Pastels and other Drawings.

In Galleries 47 and 48.

- Allongé, Auguste, Paris.  
864. Descent Into Wolf Hollow, Fontainebleau.  
865. The Fairies' Pool, Fontainebleau.  
Bellanger. See 877.  
Bida, Alexandre, Paris.  
866. Christ Raising the Daughter of Jairus.  
867. Forty Water Colors for an Edition of Shakespeare.  
Biva, Henri, Paris.  
868. Roses and Nasturtiums.  
Bonnesfoy, Adrien-Adolphe, Paris.  
869. The Water Color Painter.  
Contal, Jeanne, Paris.  
Seven Miniatures on Ivory, framed:  
870. The Letter.  
871. Young Girl.  
872. Portrait of M. M. C.  
873. The Smile.  
874. Portrait of Emil T.  
875. Portrait of M. T.  
876. Young Girl with a Boa.  
Bellanger, Camille-Félix, Paris.  
877. Portrait of Mme. B.  
Cagniard, Emile, Paris.  
878. Place de la Concorde, Paris.  
879. Place du Chatelet, Paris.  
Cazin, Mme. Marie, Paris.  
880. Meditation.  
Contal. See 870-876.  
D'Argence, Eugène, Paris.  
881. Moonlight.  
Houssay, Mlle. Josephine, Paris.  
882. Portrait of Madame A. D. S.  
Houbron, Frédéric, Paris.  
883. Village Idyl.

Miniatures, Water Colors, Pastels and Other Drawings.

Joseph, Paris.  
Evening in Fontainebleau

-Paul, Paris.  
Drawings Illustrating Merovingian

Renée de, Paris.  
Miniature Portraits:  
of Mlle. H. de M.  
of Count C.  
traits of Children.  
of a Young Girl.  
of Countess S.

7, Paris.  
the Sarthe, Morning.  
on the Sarthe.  
ste-Emmanuel, Paris  
the Ain.  
light.

f Saint-Laurent (Jura).  
François, Paris.  
in Fruit Seller and Donkey.  
and Fruit.

l, Paris.  
ident of the Senate at Wash-  
more, Metropolitan Club,

of the House and Newspaper  
its.  
e of Ways and Means, Com-  
ropriations.

Hortense, Paris.  
s on Ivory:  
at Prayer.  
the Countess of D.

ing.  
in Lady—Painting on Por-

z, Paris.  
olonna.  
eline, Paris.

felitime, Paris.  
atres, France.  
oman of the Directory.  
oman under the Consulate.  
Young Girl.  
Mlle. J. R.  
M. R.

ch Water Color Artists.

l, Paris.  
Woman.  
leffranche  
bruges.

Exhibit  
No.

- 912. Cathedral at Antwerp.
- 913. On the Escaut at Antwerp.
- 914. Beach at Blanckenberghe.
- 915. Lake Bourget, Savoy.
- 916. Parisian Women.
- Boutet de Monvel, Maurice, Paris.
- 917. A Fairy Tale.
- 918. Salome.
- 919. The Curate is going out.
- 920. A Timid Visitor.
- 921. Portrait of a Child.
- Clairin, Georges, Paris.
- 922. At Seville.
- 923. Venice in the Last Century.
- Claude, J. Max, Maisons-Laffitte.
- 924. Souvenir of Rotten Row, London.
- Claude, Georges, Paris.
- 925. Adoration of the Cross, Good Friday  
at Monte-Cassino, Italy.
- 926. A Neapolitan Song.

Courant, Maurice-François-Auguste,  
Poissy.

- 927. On the Strand.
- 928. The Joyous Bay.
- 929. The Fish Tank, Concarneau.

Detaille, Edouard, Paris.  
929a. Soldiers of the Imperial Guard.  
Dubufe, Guillaume.

930. Kakemono—Winter.  
Illustrations for the new edition of  
"The Theatre" by Emile Augier:

- 931. 1. The Adventuress.
- 932. 2. Gabrielle.
- 933. 3. Mlle. Baretta as Celia.
- 934. 4. Mme. Plessis as Clorinda.
- Escalier, Nicolas, Paris.

935. A Farm at Loire et Cher; Starting for  
the Market.

935a. Learning how to Fish.  
Gros, Lucien, Poissy.

- 936. The Quay, Honfleur.
- 937. The Bravi.
- 938. Horses Drinking.

Jeannot, Pierre-Georges, Paris.  
939. Troopers on the March.

940. At the Cafe.  
Lemaire, Mme. Madeleine, Paris.

941. A Ball in 1830.

942. "Farewell."  
Moreau, Adrien, Paris.

- 943. Grape Picker.
- 944. The Confession.
- 945. A Game of Chess.

946. Plunderers.  
Penne, Olivier de, Paris.

- 947. Gordon Setters.
- 948. Griffons.

Pujol, Paul, Paris.  
949. St. Mark's Place.

## Paintings in Water Colors, Pastels.

## Exhibit

No.

950. Pont de la Concorde.  
 Rivoire, François, Paris.  
 951. Autumn Flowers.  
 952. The Overturned Basket.  
 Rochegrosse, Georges, Paris.  
 953. The Poet.  
 Rouillet, Gaston, Paris.  
 954. Field Valley.  
 955. The Old Port of Toulon.  
 Tenre, Henri, Paris.  
 956. Reading.  
 957. The Secret.  
 958. Church of St. Remy, Rheims  
 959. The Well.  
 960. A Cotillion.  
 Toudouze, Edouard, Paris.  
 961. The Rocker.  
 Von, Edmond-Charles, Paris.  
 962. The Burgundy Gate, Moret.  
 963. Moret from the Right Bank of the  
 Loing.  
 964. Cape Monaco, from the Heights.  
 Zuber, Jean-Henri, Paris.  
 965. A Summer Day on the Dunes near  
 Granville.  
 966. In the Mountains, near Sion, Switzer-  
 land.  
 967. Garden of the Tuilleries.

## Society of French Pastel Artists.

- Billotte, René, Paris.  
 968. Twilight, Road of St. Medard-en-  
 Jalle.  
 969. Vicinity of Paris, a Bastion.  
 970. Moonrise, Quarries of Saint Denis.  
 Blanche, Jacques-Emile, Paris.  
 972. The Awakening of the Little Princess.  
 Cazin, Mme. Marie, Paris.  
 973. Summer.  
 Cheret, Jules, Paris.  
 974. Columbine.  
 Dubufe, Guillaume, fils, Paris.  
 975. Slumber.  
 Eliot, Maurice, Paris.  
 976. Sitting for a Portrait.  
 Helleu, Paris.  
 977. Portrait of Mlle. X.  
 Jeanniot, Pierre-Georges, Paris.  
 978. Moonrise.  
 979. A Reader.  
 Lagarde, Pierre, Paris.  
 980. Evening at Vieux-Moulin.  
 La Touche, Saint-Cloud.  
 981. The Perfume of Flowers.  
 Montenard, Paris.  
 982. Alpine Regiment on the road in  
 Provence.  
 983. The Pont de Gard, Provence.

## Exhibit

No.

- Moreau, Adrien, Paris.  
 984. Shepherd.  
 Nozal, Alexandre, Paris.  
 985. Moonlight.  
 986. Ice Gorge in the Seine.  
 987. The Sea at Etretat.  
 Rosset-Granger, Edouard, Paris.  
 988. Nocturne.  
 Tissot, James, Paris.  
 989. Portrait of Miss C.

## OBJECTS OF DECORATIVE ART.

- Bargas, Armand, Paris.  
 990. Child's portrait.  
 991. Columbus.  
 Berquin, Varangoz, Lucien-Auguste, Paris.  
 992. Pair of vases.  
 Brateau, Jules-Paul, Paris.  
 993. Ewer and Basin.  
 994. Salt Cellar and Spoon.  
 995. Letter Salver.  
 996. Card Salver.  
 997. Goblet.  
 998. Goblet.  
 999. Plate.  
 Carrier-Belleuse, Louis-Robert, Paris.  
 1000. Vases. } Drawings.  
 1001. Vases. }  
 Chaplet, Ernest, Chosy-le-Roi.  
 1002. Collection of Vases, Bottles, etc.  
 Cheret, Joseph.  
 1003. Vase—Fishing has Begun.  
 1004. " Children and Hoops.  
 1005. " Women and Masks.  
 1006. " Children and Frogs.  
 1007. " Women and Garlands.  
 Damousse, Albert, Sevres.  
 1008. Decorative Panel.  
 1009. Small Flask.  
 1010. Ovoid Vase.  
 1011. Plaque.  
 Damp, Jean, Paris.  
 1012. Ivory Statuettes.  
 Delaherche, Auguste, Paris.

## Fired Pottery.

1013. Large Vase, yellow, green and red.  
 1014. Large Vase, red and blue.  
 1015. Large Vase, blue.  
 1016. Blue Vase.  
 1017. White, Green and Blue Vase.  
 1018. Cachepot Cover.  
 1019. Cachepot Vase.  
 1020. Gourde.  
 1021. Fountain Bowl, green.  
 1022. Fountain Bowl, red and blue.  
 1023. Red and Blue Plate.

Fired Pottery, Metal Gold Work.

Large Blue-gray and Red Plate.  
Large Yellow and Gray Plate.  
Henri, Paris.  
Water color for Binding of "The  
ons Aymon."  
Water color for Binding of Chron-  
F. Weissart.  
Sile, Paris.  
Amel—Enoch Arden.  
e Recital.  
e Drama.  
rcelain.—The Triumph of Silence.  
e Ram's Leap. Phoebe's Crescent.  
scien, Paris.  
nuscrypt Holder.  
all Ivory and Gold Clock.  
rguerite de Fois, Duchesse of  
y, 1453-86. (Bas-relief in gold  
er.)  
rguerite de Valois, Queen of Na-  
92-1549. (Beaten gold and silver

Anatole, Alexis, Paris.  
Havast. (Copper enameled).  
elix, Paris.  
mony. (Enameled Panel).  
is Among the Rabbis.  
Stem of Jesse. (Colored glass).  
r Hunt in the Middle Ages.  
lenri, Paris.  
ks.  
ze of Cats. Burnt wood.  
ea.  
Edmond, Chatillon.  
y Vase.  
iboo Vase.  
iboo Pot.  
rnest-Baptiste, Paris.  
ian Vase.  
ness Vase.  
al Vase.

rdinand, Rouen.  
ught Iron Spark Guard.  
of Five Irons of Wrought Iron.  
Leaves of Sheet Iron.  
ver, Poppy. (In hammered lead).  
leasant, Godef. Juan.

Exhibit  
No.  
1068. Vase.  
1068a. Vase.  
1069. Placque.  
1070. Placque.  
1071. Placque.  
1072. Bowl.  
1073. Vase.  
Mercie, Antonin, Paris.  
1074. Ivory and Gold Statuette.  
Rouillard, Marie-Marcel, Paris.  
1075. Model of Glass Panel.  
Scheidecker, Franc, Paris.  
1076. Serenity. (Wood and gold panel).  
Thesmar, Fernand, Neuilly-sur-Seine.  
1077. Enameled Cups.  
1078. Golden Pheasant and Butterfly.  
1079. Teal, Water-lily.  
1080. Golden Pheasant and Various Plants.  
Voisin Delacroix, Alphonse, and Dalpay-  
rat, Adrien, Paris.  
1081. Vase in Burnt Clay.  
1082. Vase in Burnt Clay.  
1083. Fantastic Gourd in Burnt Clay.  
1084. Vase in Burnt Clay.  
1085. Vase in Burnt Clay.

MUSEUM OF DECORATIVE ARTS.

Metal Gold Work.

Bapt and Falize, Paris.  
1086. Oval Silver Repousse Plate.  
1087. Silver Repousse Bowl.  
Christoffe & Co., and Levillain, Paris.  
1088. Cream Pot in Silver Repousse.  
1089. Milk Jug in Silver Repousse.  
Fanniere Bros., Paris.  
1090. Carved Silver Salt Cellar.  
Gueyton, Camille & Co., Paris.  
1091. Carved Silver Repousse Plate.  
Christoffe & Co., Paris.  
1092. Coffeepot in Repousse Silver, Louis  
XVI style.

Brateau, Jules, Paris.  
1093. Plate—The Seasons.  
Thiebaut Bros., Paris.  
1094. Bronze Vase.  
Varangoz, Paris.  
1095. Fish in Bronze, on Massive Plate.  
Chaplet, E., Choley le Roy, Paris.  
1096. Ovoid Bottle in China.  
1097. Ovoid Bottle.  
Pull & Sons, Paris.  
1098. Small Ovoid Vase of Porcelain.  
Deck, Paris.  
1099. Small Decorated Porcelain Vase.  
1100. Enameled Porcelain Bowl.  
Dammouse, Paris.  
1101. Deep Porcelain Dish.

## Metal Gold Work, Architecture.

## Exhibit

- No.  
**David, Mlle. Marie.**  
 1102. Decorated Porcelain Plate.  
**Lachenal, Chatillon-sous-Bagneux.**  
 1103. Deep Dish Decorated.  
 1104. Decorated Plate.  
**Massier, Clement, Golfe Juan.**  
 1105. Conical Decorated Faience Vase.  
 1106. Faience Plate, Decorated Border  
**Dammouse, Paris.**  
 1107. Faience Vase.  
**Moreau, Mme. Camille.**  
 1108. Large Faience Plate, Six Fish in  
 work.  
**Haviland & Co., and Chaplet, Paris.**  
 1109. Ovoid Burnt Clay Vase.  
 1110. Cylindrical Vase.  
**Delaherche, Paris**  
 1111. Large Enameled Clay Vase.  
 1112. Ovoid Vase.  
**Carries, Paris.**  
 1113. Enameled Ovoid Vase.  
**Voisin and Delacroix, Bourg-la-Reine.**  
 1114. Ovoid Covered Vase.  
**Rousseau, Eugene, Paris.**  
 1115. Small Imitation Jade Glass Decorated  
 Vase.  
**Cristallerie De Baccarat.**  
 1116. Quadrangular Crystal Vase.  
**Galle, Nancy.**  
 1117. White Spotted Glass Cup.  
 1118. Opaline Spotted Spheroidal Vase.  
 1119. Spheroidal Bottle.  
**Rosseau, Eugene, Paris.**  
 1120. Violet Glass Vase Decorated with  
 Flowers of Gold.  
**Brocard & Sons, Paris.**  
 1121. Opaline Glass Cup.  
**Pannier Bros., Paris.**  
 1122. Imitation Jade Glass Horn.  
**Grandhomme.**  
 1123. Voices.

## ARCHITECTURE.

- Ballu, Albert, Paris.**  
 1124. Palace of Justice, Bucharest.  
 1125. Church at Lamballe.  
 1126. Solidor Tower at St. Servan.  
 1127. Church at Jouy-le-Moutier.  
 1128. Pavilion of the Argentine Republic.  
 1129. Palace of Justice at Charleroi.  
 1130. Algerian Pavilion.  
 1131. Cathedral of Algiers.  
 1132. Church at Esnaude.  
**Bernier, Louis, Paris.**  
 1133. An Artist's Residence.  
**Beviere, Leopold, and Chaussemiche, Ben-  
 jamin, Paris.**  
 1134. Residence, Facade, Plans.

## Exhibit

- No.  
**Bigaux, Louis, Paris.**  
 1135. Design for Decoration of a Theatre  
 Lobby, water color.  
**Breasson, Jean, Paris.**  
 1136. City Hall at Suresnes.  
 1137. High School at Auxerre.  
 1138. Design for Fine Art Gallery at Lille.  
 1139. Museum at Nantes.  
**Bruneau, Eugene, Paris.**  
 1140. Design for a Theatre.  
 1141. Monument to Commemorate the  
 Siege of Paris.  
 1142. Monument in Honor of the National  
 Assembly of 1789.  
 1143. Chateau of M. Marques de Braga.  
 1144. Facade of a Residence at Roubaix.  
 1145. Monument to Gambetta.  
**Bury, Victor, Paris.**  
 1146. Villa at Fontainebleau.  
**Calinaud, Mathurin-Eugene, Paris.**  
 1147. City Hall at Vincennes.  
**Camut, Emile, Paris.**  
 1148. Female College at Clermont-Ferrand.  
 1149. Church at Veusat.  
**Chedanne, Georges-Paul, Rome.**  
 1150. Gateway of the Venetian Palace in  
 Rome.  
 1151. Rail of the Sistine Chapel.  
 1152. Tomb of Crivelli by Donatello.  
 1153. Tomb of Tartagni at Saint Dominique  
 de Bologne.  
**Cordonnier, Louis-Marie, Lille.**  
 1154. Bourse, Amsterdam.  
**Dauvergne, Louis-Rene-Alphonse-Alfred,  
 Paris.**  
 1155. Façade of the Brazilian Pavilion at  
 the Paris Exposition, 1889.  
 1156. Façades and interior of the Manse  
 alty of Maisons-Lafitte.  
 1157. Project of construction of a Hippo-  
 drome for the city of Brussels.  
**Depertes, Pierre-Joseph-Edmond, Paris.**  
 1158. Design of Façade for the Duomo of  
 Milan.  
 1159. Perspective View of the Grand Stair-  
 way in the Hotel de Ville.  
**Dutoq, Victor-Antoine-Ferdinand, Nancy.**  
 1160. Château Ecouen.  
 1161. School of the Legion of Honor.  
**Espouy, Hector-Jean-Baptiste, Paris.**  
 1162. Souvenir of Greece.  
 1163. Restoration of Temple of Victory  
**Gnudet, Julien, Paris.**  
 1164. New Postoffice at Paris.  
**Guillaume, Edmond, J. B., Paris.**  
 1165. Daru Stairway in the Louvre.  
**Hermant, Pierre-Antoine-Achille, Paris.**  
 1166. Department Headquarters at the  
 terre.

## Architecture.

**Frantz, Paris.**  
 aissance Billiard Hall.  
 nue of the Bois de Boulogne.  
 b of the Dida Family at Draveil.  
 ch Renaissance Billiard Hall at  
 ument of Lafontaine at Rane-  
 ye, Charles-Paul, Paris.  
 gn for Decoration of a Dining-  
**Charles-Joseph, Paris.**  
 t Frieze of the Tracadero Pal-  
 el of a Transept in Pantheon.  
 ng of the Waiting Rnom, Hune-  
 el.  
 la of the Church at Loigny.  
 ment of the Frieze of Nations  
 alace.  
 edral of Moulins.  
 nent of Vatican Frieze of the  
 ration of the Prætorium of the  
 all of the Exchequer of Nor-  
**ouis-Ernest, Paris,**  
 urant of Bercy.  
 ry of the School of Law.  
 h of Bray-Lu.

Exhibit  
 No.  
**Marcel, Alexandre-Auguste-Louis, Paris.**  
 1184. Restoration and Rebuilding of the  
 Château of Tenquedec.  
**Nizet, Charles, Paris.**  
 1185. Comparative Study of two Towers of  
 Military Defence.  
**Pascal, Jean-Louis, Paris.**  
 1186. Faculty of Medicine of Bordeaux.  
**Reboul, Aubert-Clement-Jules, Paris.**  
 1187. Restoration of the Chateau of Auffroy.  
**Ruy, Alphonse, Paris.**  
 1188. Villa for Algeria.  
 1189. Chalet for Saint Gervais.  
**Saint-Pere, Charles, Dijon.**  
 and  
**Saint-Pere, Eugene, Paris.**  
 1190. Nine Views of the Cathedral of Tunis.  
**Sandier, Alexandre, Saint Mande.**  
 1191. Shoe and Leather Building at Chicago  
 Exposition.  
 1192. Studies of Interior Decoration.  
**Vaudremer, Joseph-Auguste-Emile Paris.**  
 1193. Prison of La Sante at Paris.  
 1194. A View of Saint Pierre de Montrouge  
 at Paris.  
 1195. Bishop's House at Beauvais.  
 1196. A Small Private Hotel at Paris.  
 1197. Tomb at St. Brice near Paris.  
**Walbe, Charles, Paris.**  
 1198. Five Sketches of Tunis-Algerian  
 Palace.

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# GERMANY.

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# GERMANY.

## Sculpture.

### GROUP 139.

#### Sculpture.

In the North and West Courts, Gallery 29,  
and alcoves in Upper Gallery over  
North and West Courts.

Exhibit  
No.

**Baumbach, Max, Berlin.**

1. Siesta. (Marble.)
2. Violin Player and His Love. (Bronze.)

**Baerwaldt, Rob., Berlin.**

3. Emperor William II. (Bronze.)
4. Emperor William I. (Plaster.) Loaned  
by the Royal Academy of Berlin.

**Begas, Prof. Reinhold, Berlin.**

5. Bust of "Menzel." (Marble.)
  6. Bust of "Moltke." (Marble.)
- Nos. 5 and 6 loaned by the National  
Gallery of Berlin.

**Bagas, Prof. Carl, Berlin.**

7. Brother and Sister. (Marble.)
8. Faun and the Infant Bachus. (Marble.)  
Loaned by the National Gallery of Berlin.

**Bergmeier, C. A., Steglitz-Berlin.**

9. Table-service. (Bronze.)

**Bernewitz, C., Berlin.**

10. You Must Dance. (Bronze.)

**Bräuer, Peter, Berlin.**

11. Psyche. (Bronze.)

**Bräuer, Peter, Berlin.**

12. Spring. (Bronze.)

**Brossman, Prof. Gustav, Dresden.**

13. Fettered Psyche. (Marble.)
14. Battle of Centaurs. (Marble-relief.)

**Brütt, Ad., Berlin.**

15. "Eve." (Marble.) (Loaned by the Na-  
tional Gallery of Berlin.)

16. "Saved." (Bronze.)

17. "Phryne." (Bronze.)

**Calandrelli, Prof. A., Berlin.**

19. Nymph. (Bronze.)

**Dobbertin, O., Hamburg.**

20. Resting Boy. (Marble.)

**Dorn, Carl, Berlin.**

21. Idealism. (Bronze.)

22. Materialism. (Bronze.)

Exhibit

No.

23. Fountain Figure; Swan G.  
(Bronze.)

**Eberlein, Prof. G., Berlin.**

24. Thorn-puller. (Marble.) (Loaned b  
National Gallery of Berlin.)

**Elster, G., Braunschweig.**

25. Ave Maria. (Terra cotta.)

26. Saint John. (Terra cotta.)

**Epler, Heintz, Dresden-A.**

27. Gleaner. (Marble.)

**Heidepriem, T., Berlin.**

28. Sleep. (Marble.)

29. In the Shooting Stand. (Zinc cast.)

30. As the Kennel of a Badger. (Zinc cast.)

**Hester, Prof. E., Berlin.**

31. A Fish Rarely to be Met With. (Bronze.)

32. In the Depth of the Sea. (Plaster.)

33. Moses Destroying the Tables of  
(Oakwood.)

**Hilgers, Prof. C., Berlin.**

34. Christ Healing the Sick Ones. (Plaster-relief.)

35. Christ Healing the Daughter of I  
(Plaster-relief.)

36. Small Model of the Dusseldorf  
fountain—Monument. (Bronze.)

**Hirt, Prof. Joh., Munich.**

37. Andromeda. (Marble.)

**Hischen, Ernst, Berlin.**

38. Statuette; Man with Dogs. (Bronze.)

**Hölbe, Rud., Dresden-A.**

39. The Ratcatcher of Hamelo. (Bronze.)

**Hultzsch, Prof. Hermann, Dresden.**

40. Echo. (Marble.)

**Hundrieser, Emil, Charlottenburg.**

41. Peace. (Plaster.)

**Geiger, N., Berlin, Wilmersdorf.**

42. Labour. (Plaster.)

**Geiger, Mrs. H., Berlin, Wilmersdorf.**

43. Bust of the Madonna. (Marble.)

**Glaesbuhl, Otto, at present at Rome.**

44. Italian Fisher Boy. (Zinc cast.)

45. Italian Oyster Dealer. (Bronze.)

**Götz, T., Berlin, Schöneberg.**

46. Balancing Boy. (Bronze.)

47. Female Water Drawer. (Bronze.)

48. Boy with Hoop. (Zinc cast.)

Sculpture, Paintings in Oil.

a von Berlin.  
ld. (Marble.)  
ajolica.)  
Berlin.  
tte. (Bronze.)  
in.  
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(Marble.)  
brace—A Man Struggling  
Bronze group—  
nger From Marathon.  
iss B. (Marble.)  
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mph. (Marble.)  
rck. (Bronze.)  
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erlin.  
William I and Frederic III.  
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rich.  
on an Ass. (Plaster)  
Berlin.  
liam II. (Bronze-statuettes.)  
eldorf.  
le figure for a tomb.)  
tation.  
mor. (Bronze.)  
bant and the Infant Bac-  
n, Willmersdorf.  
liam I. (Marble.)  
liam II. (Marble.)  
Dresden.  
on Sandals. (Bronze.)  
ung Fisherman. (Bronze.)  
nant. (Bronze.)  
(Marble.)  
erlin. (Deceased.)  
Bronze.) (Loaned by the  
of Berlin.)  
en.  
dala. (Marble.)  
(Bronze.)  
M.  
(Bronze.)  
le.)

Exhibit  
No.  
83. Victory. (Bronze.)  
84. Grown Poor. (Bronze.)  
Rosse, Franz, Berlin.  
85. Lili. (Marble.)  
Rumpf, Carl, Frankfort-on-the-Main.  
86. Adam and Eve. (Bronze.)  
Schott, Walter, Berlin.  
87. Bust of the late Professor de Ahna.  
(Plaster.)  
88. Female Figure. (Marble.)  
89. Bust of a Child. (Marble.)  
90. Bust of my Wife. (Plaster.)  
91. Developed. (Plaster.)  
92. Bust of Emperor William II. (Plaster.)  
93. Bust of Prince Stolborg-Wernigerode.  
(Plaster.)  
Schulz, Prof. Moritz, Berlin.  
94. Modern Roman Lady. (Marble.)  
Siemering, Prof. R., Berlin.  
95. Victory. (Bronze.)  
Sommer, Prof. August, Rome.  
99. Old Harry Catching Flies. (Bronze.)  
Starcke, Constantin, Berlin.  
100. Boy Playing Flute. (Bronze.)  
Steinemann, H., Berlin.  
101. A City Sergeant. (Bronze.)  
102. Ancient German. (Bronze.)  
103. Ancient Roman. (Bronze.)  
Stuck, Franz, Munich.  
104. Athlete. (Bronze.)  
Toberentz, R., Berlin.  
105. Resting Herdsman. (Bronze.) (Loaned  
by the National Gallery of Berlin.)  
Tubbecke, Franz, Berlin.  
106. Drinking Boy. (Bronze.)  
Turpe, Paul, Berlin.  
107. Laughing Boy. (Marble.)  
108. Boy and Cat. (Bronze.)  
Uechtritz, Cunno von Berlin.  
109. Morning. (Bronze Chandeliers for  
110. Evening. (Electric Lighting.)  
111. Two Wall Figures in Bronze for Elec-  
tric Lighting.  
112. Head of a Girl. (Marble.)  
Unger, Max, Berlin.  
113. Fisherman. (Zinc cast.)  
Uphues, T., Berlin.  
114. Archer. (Bronze.)  
Vordermeyer, M., Berlin.  
115. Domestic Industry. (Oak wood.)  
Wagmüller, Mich., Munich.  
116. Portrait of Justus von Liebig. (Plaster.)  
Wenck, E., Berlin.  
117. Amorous Faun. (Bronze.)  
Wind, Joh., Munich.  
118. Female Juggler. (Bronze.)

# GERMANY.

## Sculpture.

### GROUP 189.

#### Sculpture.

In the North and West Courts, Gallery 29,  
and alcoves in Upper Gallery over  
North and West Courts.

Exhibit  
No.

**Baumbach, Max, Berlin.**

1. Siesta. (Marble.)
2. Violin Player and His Love. (Bronze.)

**Baerwaldt, Rob., Berlin.**

3. Emperor William I. (Bronze.)
4. Emperor William I. (Plaster.) Loaned by the Royal Academy of Berlin.

**Begas, Prof. Reinhold, Berlin.**

5. Bust of "Menzel." (Marble.)
  6. Bust of "Moltke." (Marble.)
- Nos. 5 and 6 loaned by the National Gallery of Berlin.

**Bagas, Prof. Carl, Berlin.**

7. Brother and Sister. (Marble.)
  8. Faun and the Infant Bacchus. (Marble.)
- Loaned by the National Gallery of Berlin.

**Bergmeier, C. A., Steglitz, Berlin.**

9. Table-service. (Bronze.)

**Bernewitz, C., Berlin.**

10. You Must Dance. (Bronze.)

**Bräuer, Peter, Berlin.**

11. Psyche. (Bronze.)

**Bräuer, Peter, Berlin.**

12. Spring. (Bronze.)

**Brossman, Prof. Gustav, Dresden.**

13. Fettered Psyche. (Marble.)

14. Battle of Centaurs. (Marble-relief.)

**Brütt, Ad., Berlin.**

15. "Eve." (Marble.) (Loaned by the National Gallery of Berlin.)

16. "Saved." (Bronze.)

17. "Phryne." (Bronze.)

18. "Bathing Girl." (Bronze.)

**Calandrelli, Prof. A., Berlin.**

19. Nymph. (Bronze.)

**Dobbertin, O., Hamburg.**

20. Resting Boy. (Marble.)

**Dorn, Carl, Berlin.**

21. Idealism. (Bronze.)

22. Materialism. (Bronze.)

Exhibit  
No.

23. Fountain Figure; Swan G.

**Eberlein, Prof. G., Berlin.**

24. Thorn-puller. (Marble.) (Loaned by National Gallery of Berlin.)

**Elster, G., Braunschweig.**

25. Ave Maria. (Terra cotta.)

26. Saint John. (Terra cotta.)

**Epler, Heinr., Dresden-A.**

27. Gleaner. (Marble.)

**Heidepriem, T., Berlin.**

28. Sleep. (Marble.)

29. In the Shooting Stand. (Zinc cast.)

30. As the Kennel of a Badger. (Zinc cast.)

**Hertel, Prof. E., Berlin.**

31. A Fish Rarely to be Met With. (Bronze.)

32. In the Depth of the Sea. (Plaster.)

33. Moses Destroying the Tables of Law. (Oakwood.)

**Hilgers, Prof. C., Berlin.**

34. Christ Healing the Sick Ones. (Plaster-relief.)

35. Christ Healing the Daughter of Jairus. (Plaster-relief.)

36. Small Model of the Dusseldorf Wax Works. (Bronze.)

**Hirt, Prof. Joh., Munich.**

37. Andromeda. (Marble.)

**Hischen, Ernst, Berlin.**

38. Statuette; Man with Dogs. (Bronze.)

**Hölbe, Rud., Dresden-A.**

39. The Ratcatcher of Hamelo. (Bronze.)

**Hultsch, Prof. Hermann, Dresden.**

40. Echo. (Marble.)

**Hundrieser, Emil, Charlottenburg.**

41. Peace. (Plaster.)

**Geiger, N., Berlin, Wilmersdorf.**

42. Labour. (Plaster.)

**Geiger, Mrs. H., Berlin, Wilmersdorf.**

43. Bust of the Madonna. (Marble.)

**Glaue, Otto, at present at Rome.**

44. Italian Fisher Boy. (Zinc cast.)

45. Italian Oyster Dealer. (Bronze.)

**Götz, T., Berlin, Schöneberg.**

46. Balancing Boy. (Bronze.)

47. Female Water Drawer. (Bronze.)

48. Boy with Hoop. (Zinc cast.)

Sculpture, Paintings in Oil.

von Berlin.  
d. (Marble.)  
olica.)  
Berlin.  
te. (Bronze.)  
te. (Bronze.)  
(Marble.)  
race—A Man Struggling  
roms group A  
ger Exon Marathon.  
ss B. (Marble.)  
lin.  
nph. (Marble.)  
ck. (Bronze.)  
von Moltke. (Bronze.)  
Berlin.  
ughbred. (Bronze.)  
ughbred. (Bronze.)  
Willstermarsh. (Bronze.)  
fin.  
ble.)  
nze.)  
in.  
ster.)  
rlin.  
lliam I and Frederic III.  
ich.  
on an Ass. (Plaster.)  
erlin.  
am II. (Bronze-statnette.)  
ldorf.  
e figure for a tomb.)  
laian.  
nor. (Bronze.)  
ant and the Infant Bac-  
Willmersdorf.  
iam II. (Marble.)  
iam II. (Marble.)  
Dresden.  
Sands. (Bronze.)  
n Fisherman. (Bronze.)  
ant. (Bronze.)  
(Marble.)  
rlin. (Deceased.)  
Bronze.) (Loaned by the  
f Berlin.)  
n.  
lals. (Marble.)  
(Bronze.)  
M.  
(Bronze.)  
le.)

Exhibit  
No.  
83. Victory. (Bronze.)  
84. Grown Poor. (Bronze.)  
Rosse, Franz, Berlin.  
85. Lili. (Marble.)  
Rumpf, Carl, Frankfurt-on-the-Main.  
86. Adam and Eve. (Bronze.)  
Schott, Walter, Berlin.  
87. Bust of the late Professor de Ahna.  
(Plaster.)  
88. Female Figure. (Marble.)  
89. Bust of a Child. (Marble.)  
90. Bust of my Wife. (Plaster.)  
91. Developed. (Plaster.)  
92. Bust of Emperor William II. (Plaster.)  
93. Bust of Prince Stolborg-Wernigerode.  
(Plaster.)  
Schulz, Prof. Moritz, Berlin.  
94. Modern Roman Lady. (Marble.)  
Siemering, Prof. R., Berlin.  
95. Victory. (Bronze.)  
Sommer, Prof. August, Rome.  
99. Old Harry Catching Flies. (Bronze.)  
Starcke, Constantin, Berlin.  
100. Boy Playing Flute. (Bronze.)  
Steinemann, H., Berlin.  
101. A City Sergeant. (Bronze.)  
102. Ancient German. (Bronze.)  
103. Ancient Roman. (Bronze.)  
Stuck, Franz, Munich.  
104. Athlete. (Bronze.)  
Toberentz, R., Berlin.  
105. Resting Herdsman. (Bronze.) (Loaned  
by the National Gallery of Berlin.)  
Tubbecke, Franz, Berlin.  
106. Drinking Boy. (Bronze.)  
Turpe, Paul, Berlin.  
107. Laughing Boy. (Marble.)  
108. Boy and Cat. (Bronze.)  
Uechtritz, Cunno von Berlin.  
109. Morning. (Bronze Chandeliers for  
110. Evening. (Electric Lighting.)  
111. Two Wall Figures in Bronze for Elec-  
tric Lighting.  
112. Head of a Girl. (Marble.)  
Unger, Max, Berlin.  
113. Fisherman. (Zinc cast.)  
Uphues, T., Berlin.  
114. Archer. (Bronze.)  
Vordermeyer, M., Berlin.  
115. Domestic Industry. (Oak wood.)  
Wagmüller, Mich., Munich.  
116. Portrait of Justus von Liebig. (Plaster.)  
Wenck, E., Berlin.  
117. Amorous Faun. (Bronze.)  
Wind, Joh., Munich.  
118. Female Juggler. (Bronze.)

## Paintings in Oil.

## GROUP 140.

## Paintings in Oil.

In Galleries 23, 30, 31, 32, 33, 34, and in Upper Gallery Alcoves 166, 168, 169, 171, 172.

Exhibit  
No.

- Achenbach, Prof. Oswald, Dusseldorf.  
119. Scene near Naples (Moonlight).  
Adam, Franz, Munich.  
120. The Battle of Orleans. (Loaned by the Royal Pinakothek.)  
Adam, Julius, Munich.  
121. Little Cats.  
Alberts, J., Berlin.  
122. "The Captain's Wife."  
123. "A Confession on Hällig Oland."  
124. "Alone."  
Albrecht, C., Hamburg.  
125. An Evening Song.  
Andorff, Paul, Hanau.  
126. A Village in the Spessart.  
Andersen Lundby, Anders, Munich.  
127. Winter Evening.  
Arnold, Prof. Herm., Weimar.  
128. My Little Mother.  
Arnz, Albert, Dusseldorf.  
129. Still Life; Morass Birds.  
Arp, Karl, Kiel.  
130. A Bridge in Saalfeldt.  
Asperger, Max, Weimar.  
131. A Bridge at Berka.  
Bachmann, Hans, Dusseldorf.  
132. The Morning After the Wedding (Switzerland).  
Baisch, Prof. Herm., Karlsruhe.  
133. Spring Day in Bavaria.  
134. Sheep in the Sand Dunes.  
Baur, Prof. Albert, Dusseldorf.  
135. The Martyr's Daughter (scene from the Christian prosecution under the reign of Diocletian).  
Bantzer, Carl N., Dresden, Strichlen.  
136. Spring Day.  
137. In the Garden.  
Beeck, Theodore, v. d., Dusseldorf.  
138. A Cigarette Manufactory.  
139. On the Heights.  
Becker, Prof. Carl, Berlin.  
140. Venetian Doge Festivity. (Loaned by the National Gallery of Berlin.)  
Becker, Carl, Berlin.  
141. Vedette.  
Becker-Gundahl, Munich.  
142. Forsaken.  
Behmer, Herm., Weimar.  
143. Reconvalescent.  
Behrend, Friedr., Karlsruhe.  
144. Evening in Lithuania.

Exhibit  
No.

- Bergmann, Jul., Karlsruhe.  
Berkemeier. See 164.  
145. Under the Willow Trees.  
146. Returning Home.  
147. Cziko's (Hungarian Shepherd).  
Bernuth, E. von, Dusseldorf.  
148. A Cañon.  
Biedermann, Ernst, Karlsruhe.  
149. Falling Leaves.  
Biedermann-Arendts, Miss Hermine, Berlin.  
150. The First Booty.  
Blau, Miss Tina, Munich.  
151. Autumn.  
152. Yard in St. Veit near Vienna.  
Block, Jos., Munich.  
153. In the Twilight.  
Bluhm, Oscar, Karlsruhe.  
154. Reveries.  
Blume, Ed., Munich.  
155. Candle Light.  
Bockelmann, Ch. Ludw., Karlsruhe.  
156. The Village on Fire.  
Boddien, G. von, Kl. Zschochwitz.  
Niedersedlitz.  
157. The Battle is Over.  
158. Pandures Reconnoitering.  
Bohrdt, Hans, Berlin.  
159. Hamburg Pilotes.  
Bombach, W., Berlin.  
160. Tunisian Town.  
Bombach, F., Berlin.  
161. Railroad Crossing.  
Borchardt, F., Dresden.  
162. Uncle Testator.  
Bohmé, Karl, Karlsruhe.  
163. View from the Lighthouse at Staßfurt.  
Berkemeier, Ludolf, Weimar.  
164. After the Shower (Dutch Landscape).  
Bracht, Prof. E., Berlin.  
165. Mount Sinai.  
166. Before the Walls of Jerusalem.  
Braith, Prof. Anton, Munich.  
167. A Fresh Drink.  
168. The Pets of the Peasant's Wife. (Loaned by the State of Bavaria.)  
Brandt, Prof. J. von, Munich.  
169. The Sudden Attack. (Loaned by the State of Bavaria.)  
Brandt, F., Rome.  
170. Tivoli near Rome.  
171. The Dome at Tivoli.  
Brausewetter, Prof. O.  
172. Our Saviour.  
Bredt, Ferd. Max, Munich.  
173. Two Gazelles.  
174. A Sudanese Girl.

## Paintings in Oil

- M. Weimar.**  
 Dusseldorf.  
 Gallery.  
 Weimar.  
 Factory in Mecklenburg.  
 Townlet.  
 h., Munich.  
 off, Karlsruhe.  
 ilders.  
 lene, Hamburg.  
 lly, Hamburg.  
 Dusseldorf.  
 isters.  
 n.  
 ing in Norway. (Time  
 g.)  
 eldorf.  
 Madness.  
 Franz v., Munich.  
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 eldorf.  
 of March.  
 lin.  
 thistles shalt thy field  
 thee—in the sweat of  
 ll thou eat bread till  
 unto the ground, for  
 thou taken.  
 ., Munich.  
 g Return.  
 eimar.  
 n.  
 ht in Spring.  
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 n, Dusseldorf.  
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 , Berlin.  
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 ., Berlin.  
 oast at Toroko.
- Exhibit  
 No.  
 Eschwege, E. von, Weimar.  
 204. Early Spring.  
 Esser, Theodor, Karlsruhe.  
 205. Landscape.  
 Fahrbach, C. L., Dusseldorf.  
 206. A Black Forest Mill.  
 Falat, J., Berlin.  
 207. Bear Hunting.  
 (Loaned by the National Gallery of Ber  
 lin.)  
 Feldmann, Louis, Dusseldorf.  
 208. Incredulous Thomas.  
 Flad, G., Munich.  
 209. A Garden.  
 Flamm, Albert, Dusseldorf.  
 210. Italian Women.  
 Fleischer, Fritz, Weimar.  
 211. Old Wife and Dog.  
 212. Devotion.  
 Flickel, Paul, Berlin.  
 213. Forest Solitude.  
 Fink, Prof. Aug., Munich.  
 214. Evening.  
 215. Early Spring.  
 Fischer-Cörlin, Berlin.  
 216. Love Teases, Love Pleases.  
 Frenzel, Oscar, Berlin.  
 217. Cattle in the Marshlands of the River  
 Elbe.  
 Frey, Wilhelm, Munich.  
 218. Cattle at the Brook.  
 Freytag-Loringhoven, M. von, Weimar.  
 219. Entering the Forest.  
 Fricke, A., Berlin.  
 220. On the Island of Rugen.  
 221. On the Island of Sylt.  
 Friedrich, Otto, Paris.  
 222. The Death of Dante.  
 Friese, Richard, Berlin.  
 223. Lions in the Lagoon.  
 Gabl, Prof. Alois, Munich. (Deceased.)  
 224. Inoculators' Room. (Loaned by the  
 State of Bavaria.)  
 225. Bräuschenke (Bavarian Inn).  
 Geertz, Julius, Dusseldorf.  
 226. Morning Prayer.  
 227. The Little Freebooter.  
 Edle von Geiger, Miss Fanny, Munich.  
 228. Landscape—Spring.  
 Gleichen Russwurm, L. von, Weimar.  
 229. A Promenade.  
 Genzmer, B., Berlin.  
 230. The Village Playgrounds.  
 Grethe, Prof. Carlos, Karlsruhe.  
 231. The Spoiled Soup.  
 232. The Fisher's Darling.  
 233. At the Helm.  
 234. The Last Chance.

## Paintings in Oil.

## Exhibit

- No.  
Grobe, German, Dusseldorf.  
235. German Landscape.  
Grützner, Prof. Ed., Munich.  
236. Monks at Supper.  
236a. Cloister Kitchen. (Loaned by Mr. Jacob H. Schiff, New York.)  
Gude, Prof. Hans, Berlin.  
237. Breakers.  
Günther-Natamburg, Berlin, Charlottenburg.  
238. The Street Unter-den-Linden in Berlin.  
Günther, Erwin, Dusseldorf.  
239. Strand near Scheweningen.  
Gysis, Prof. Nicol, Munich.  
240. Carnival in Greece.  
Hagn, Rich. von, Dresden.  
241. In the Vestry of St. Marco at Venice.  
Hagen, Prof. Theodor, Weimar.  
242. Cornfield.  
Hamacher, Willy, Berlin.  
243. Rocky Coast.  
Hammer, Erich, Weimar.  
244. Grandmother's Pet.  
Harrach, Prof. F., Count von, Tiefhartmannsdorf, near Schönan.  
245. Fallen Down from the Precipice. (Loaned by the National Gallery of Berlin.)  
Harburger, Edm., Munich.  
246. In the Cellar.  
Hasemann, Wilh., Gutach Amt Wolfach.  
247. He is Coming.  
248. Girl from the Black Forest.  
Hartmann, Karl, Munich.  
249. Autumn Evening.  
250. Apple Fight.  
Hausmann, E., Wilmersdorf, Berlin.  
215. Homeless.  
Heichert, Otto, Dusseldorf.  
251. Theodor Körner After the Sudden Attack at Kitzén.  
Heilmann, Max, Reussendorf, near Waldenburg in Silesia.  
253. Silesian Village Road in November.  
Heimes, Heinr., Dusseldorf.  
254. Sunset (North Sea).  
Hellwag, Rudolph, Karlsruhe.  
255. Northern Shores.  
256. Ruins of the Old Hanseatic Town Wisby.  
Henseler, Prof. E., Berlin.  
257. The Harvest Repast.  
258. Evening.  
Hermes, J., Berlin.  
259. Twilight.  
Herrmann, Hans, Berlin.  
260. The Fishmart in Amsterdam.

## Exhibit

- No.  
Herrmanns, Heinrich, Dusseldorf.  
261. Dortrecht (Holland).  
Hertel, Prof. Alb., Berlin.  
262. Dante in the Alps.  
Herterich, Prof. Ludw., Munich.  
263. Saint George.  
Herzog, Lewis, Dusseldorf.  
264. A Morning in October.  
Heyl, Philipp, H. G., Frankfurt-on-Main.  
265. Before the Dissection.  
Heyser, F., Harzburg.  
266. Portrait of Professor Joachim.  
Hildebrand, Prof. E., Berlin.  
267. Queen Louise. (Loaned by the National Gallery of Berlin.)  
268. Tullia.  
Hirschler-Kunwald, Miss E., Weimar.  
269. My Studio.  
Hirt du Frénes, Munich.  
270. Portrait. (Owned by Wm. Chase, New York.)  
271. Head of a Girl.  
Hochhaus, C., Berlin.  
272. Navy-yard (Constructing H. M. Oldenburg).  
Hoecker, Prof. Paul, Munich.  
273. The Nun.  
274. On Board H. M. S. Deutschland.  
274a. Shoemaker's Work-Shop.  
Hofer, Gottfr., Hamburg.  
275. The Dolomites in the Tyrol.  
Hoff, Karl, Karlsruhe.  
276. Children from the Black Forest.  
Hoffmann-Fallersleben, F., Berlin.  
277. Landscape—Autumn Day.  
Holmberg, Prof. Aug., Munich.  
278. "Pensative."  
279. "Genre."  
Hölzel, Ad., Dachau, near Munich.  
280. Domestic Devotion. (Loaned by the State of Bavaria.)  
Hummel, Theod., Munich.  
281. The Deathbed of the Mother.  
Huiskens, Herm., Karlsruhe.  
282. My Pet Dog.  
Hunten, Prof. Emil, Dusseldorf.  
283. Billeter.  
Jacobides, Prof. Georg, Munich.  
284. Afflictions.  
285. Portrait.  
Jrmer, Carl, Dusseldorf.  
286. Motive from the Island of Sylt.  
Janssen, Prof. Peter, Dusseldorf.  
287. Portrait of the late Inspector Hausen. (Loaned by the government.)  
Kalkreuth, Prof. L. Count von, Hock near Wansen, Silesia.  
288. Portrait (Uncle Andres).

Paintings in Oil

n, Mrs. Margarethe Hermuth,  
ie.  
a Asters.  
n, Prof. Fr. Karlsruhe.  
Emperor's Bust  
l Neighborhood  
ning of Spring  
by Childho  
n, Gustav, Karlsruhe.  
ng Leaves.  
Amber Coast (Baltic)  
, Hugo, Munich.  
ffer, Head:  
Prof. Herm, Munich  
storyteller.  
Karlsruhe.  
ng.  
lingen, Paul Wilhi, Munich.  
er, Landscape (Loaned by the  
avaria).  
er.  
Ferd., Karlsruhe.  
cosis. (Loaned by the National  
Berlin).  
Muhlberg, Karlsruhe.  
arket Is Over.  
ulier, Dusseldorf.  
ration of the Niederwald Mon-  
the Presence of Emperor Wil-  
son G., Karlsruhe.  
le Sire.  
Munich. (Loaned by the  
g on the River Isar  
L., Berlin.  
t of Monmouth. (Loaned by the  
allery of Berlin.)  
t of Hohenzollern (Loaned by  
Gallery of Berlin).  
ght Behind the Fence.  
Munich.  
Rivulet.  
Home. (Loaned by the State  
t, Berlin.  
ch, David on the Nile  
Max, Berlin.  
of His Majesty, Emperor  
lius, Castle of Oberesingee.  
gen.  
illage.  
nder, Karlsruhe.  
Morning.  
Carl, Munich.  
Hand.

Exhibit  
No.  
319. An Amusing Chronicle.  
Kröner, Prof. Christ, Dusseldorf.  
320. The Troublesome Guest.  
Kubierschky, Erich, Munich.  
321. Spring Landscape.  
Kappz, L. Adam, Munich.  
322. Still life.  
323. Still life.  
Kühl, Prof. Gotth, Munich.  
324. Eine feste Burg ist unser Gott.  
Kurz-Gallenstein, August, Munich.  
325. Sunday.  
Langhammer, Arthur, Munich.  
326. A Bite and a Sup.  
State of Bavaria.  
Lasch, Herm, Dusseldorf.  
327. Evening.  
Laupheimer, Anton, Munich.  
328. St. Luke's.  
Lehmann, Wilhelm, Karlsruhe.  
329. Spring.  
Lenbach, Prof. von, Munich.  
330. Portrait of Prince Bismarck.  
331. Portrait of Pope Leo.  
by the State of Bavaria.  
Leistikow, Walther, Berlin.  
332. Brickworks.  
333. Ave Maria.  
Lerche, St. Vincent. See 348.  
Lessing, H., Berlin.  
334. The Sick Bed.  
Ley, Miss Sophie, Karlsruhe.  
335. Flowers.  
Liebermann, Max, Berlin.  
336. Dutch Village Road.  
337. The Flax Barn.  
National Gallery of Berlin.  
Liesegang, H., Dusseldorf.  
338. Mills at Dordrecht.  
339. Country Road.  
Lindenschmidt, Prof. W., Munich.  
340. Anne Boleyn.  
Linderum, Rich., Munich.  
341. Deliberation.  
Ludwig, Prof. Carl, Berlin.  
342. Spring in the Genta Valley in the Tirol.  
343. Tauberggrund in Franconia.  
Malchin, Prof. Carl, Schwetzingen.  
344. North German Landscape.  
by the National Gallery of Berlin.  
Marx, Gust, Dusseldorf.  
345. A Party.  
Massau, Edm., Dusseldorf.  
346. A Spring Day.  
347. The Standard Bearer.  
Lerche, St. Vincent, Dusseldorf.  
348. The Sign-Board Painter.  
Matiegzeck, Jos., Munich.

## Paintings in Oil.

## Exhibit

- No.  
 349. In the Waiting Room.  
 Max, Prof. Gabriel. See 362.  
 Meckel, Ad. v., Berlin.  
 350. Finding the Slain (Nubian Desert).  
 Menzel, Prof. A., Berlin.  
 351. The Rolling Mill. (Loaned by the National Gallery of Berlin.)  
 Merker, Max, Weimar.  
 352. The Convent Garden.  
 353. Motive from Old Weimar.  
 Metzener, Alfred, Dusseldorf.  
 354. Tyrolese Landscape.  
 Meyer, Kunz, Munich.  
 355. A Legend.  
 Meyer, Prof. Claus, Karlsruhe.  
 356. The Old Fishermen.  
 Meyer-Basel, Karl Theodor, Munich.  
 357. Spring.  
 Meyer-Mainz, Paul, Munich.  
 358. A Matinee.  
 Meyerheim, Prof. Paul, Berlin.  
 359. A Menagerie. (Loaned by the National Gallery of Berlin.)  
 360. Cows in the Alps.  
 Meyer, Prof. Hans, Berlin.  
 361. Evening.  
 Max, Prof. Gabriel, Munich.  
 362. Katharina Emerich. (Loaned by the State of Bavaria.)  
 363. Visions.  
 Munsch, Josef, Munich.  
 364. The Conference.  
 Muhlig, Hugo, Dusseldorf.  
 365. Winter Day in the Eifel.  
 Müller, Carl W., Dresden-A.  
 366. German Forest.  
 Müller, P. P., Munich.  
 367. Beachwood in Autumn.  
 368. A Mele. (Loaned by the State of Bavaria.)  
 Müller, Kurzweil, D. K., Berlin.  
 369. Winter Landscape.  
 370. After the Thunderstorm.  
 371. Breakers (Swedish Coast).  
 Nabert, Wilhelm, Dusseldorf.  
 372. Landscape from the Harz (Valley of the Ocker).  
 Neff, Friedr, Karlsruhe.  
 373. Vanity Fair.  
 Nelson, Ernst, Berlin.  
 374. Hard Times.  
 Neuhaus, Fritz, Dusseldorf.  
 375. The Little Tyrant.  
 Normann, A., Berlin.  
 376. Summer Night (Norway).  
 377. Narøfjord (Norway).  
 Oenicke, R., Berlin.  
 378. Palmwood in Paraguay.

## Exhibit

- No.  
 Oehmichen, Hugo, Dusseldorf.  
 379. The Sisters.  
 380. Alone.  
 Olde, Hans, Seekamp.  
 381. Before Sunrise.  
 Oppler, Ernst, Munich.  
 382. Revery. (Loaned by H. R. H. the Prime Regent Luitpold of Bavaria.)  
 Palmie, Charles, Munich.  
 383. Autumn.  
 Papperitz, Georg, Munich.  
 384. Salome, the Daughter of Herodias.  
 Parlaghy, Mrs. Vilma, Berlin.  
 385. Portrait of Kossuth.  
 Petersen, Angeln, Dusseldorf.  
 386. At Sunset.  
 387. On the Beach (Holland).  
 Petersen, Flensburg, Dusseldorf.  
 388. Winter Evening.  
 Pietschmann, Max, Dresden N.  
 389. Polyphemus Fishing.  
 Plass, Ernst, Munich.  
 390. North Sea Strand.  
 391. Fishermen on the Baltic.  
 Pohle, Herm., Dusseldorf.  
 392. Castle in the Parks of Benrath.  
 Possin, Rud, Charlottenburg, Berlin.  
 393. Devotion.  
 Pötzsch, Paul, Dresden-A.  
 394. Italian Ropers.  
 395. Revery.  
 Plüher, Heinar., Weimar.  
 396. In the Sunshine.  
 Rasch, Otto, Weimar.  
 397. Council Chamber at Luneburg.  
 Rasmussen, Georg, Ant., Dusseldorf.  
 398. The Sognefjord.  
 Raupp, Prof. Karl, Munich.  
 399. Peace. (Loaned by the National Gallery of Berlin.)  
 Ravenstein, Paul von, Karlsruhe.  
 400. Umbrella Menders in Tivoli.  
 401. Serenade on the Canal Grande at Venice.  
 Riess, Paul, Weimar.  
 402. Norwegian Coast.  
 403. After the Storm (Moonlight).  
 Ritter, Wilm. G., Dresden-A.  
 404. Spring.  
 Ritter, Prof. Caspar, Karlsruhe.  
 405. Consolation by the Song.  
 406. After Bathing.  
 Rocholl The, Dusseldorf.  
 407. You Must First Catch a Man Before You Hang Him.  
 408. Avant-garde Fighting.  
 Röchling, Carl, Berlin.  
 409. A Man But Still a Baby.

## Paintings in Oil.

- burg.  
e Woods.  
eldorf.  
ily.  
Raging. (King Wehzel  
one day through the  
accompanied by a hang-  
whom he met and who  
executed.)  
Weimar.
- uhe.  
oli.
- toezek, Poland, 1831.  
z, Munich.
- he Battle.  
Berlin.  
rivulet in the Tyrol.  
mar.
- Kitchen.
- ied by the National  
, Neubabelsberg.  
um II Whaling on  
rey.  
Munich.
- lin.
- fin.  
loaned by the Na-  
in.)  
rube.
- eldorf.  
sailles. (Loaned by  
of Berlin.)  
den-A.  
s.  
Berlin.  
r. (Loaned by the  
erlin.)  
ylum for the Blind
- h Wales).  
h.  
vity in Munich.
- Exhibit  
No.  
Schickhardt, Karl, Stuttgart.  
437. In Suebia.  
Schmidt, Friedr. Alb., Weimar.  
438. Autumn.  
439. Old Bridge in Italy.  
Schmidt, Hans W., Weimar.  
440. A Parade in Presence of the Em-  
peror.  
Schmidt, Prof. Max, Königsberg, Prussia.  
441. Landscape from the River Spree.  
(Loaned by the National Gallery of  
Berlin.)  
Schmitgen, Georg, Berlin.  
442. Evening.  
Schnars-Alquist, H., Berlin.  
443. S. S. Paris.  
444. Narrow Escape.  
Schnitzler, Fritz, Dusseldorf.  
445. Sheep Bathing.  
Schönleber, Prof. Gust, Karlsruhe.  
446. High Tide (Clovelly).  
447. In the Lagoons of Venice.  
Schönchen, Leopold, Munich.  
448. In March.  
Scholz, Richard, Frankfort-on-the-Main.  
449. Fallen Down from the Precipice.  
Scholtz, Prof. Julius, Dresden-Alttadt.  
450. A Cavarian Song (Schnadahupfl).  
451. Ave Maria.  
Schrödl, Norbert, Frankfort-on-the-Main.  
452. German Peasants' Vehicle.  
Schröter, Willi., Karlsruhe.  
453. Summer Landscape.  
Schuch, Prof. Werner, Klieben near Cos-  
wig.  
454. Emperor William II.  
455. Parade.  
Schulze-Naumburg, Paul, Karlsruhe.  
456. Resignation.  
Schultze, Carl, Dusseldorf.  
457. Heath Landscape.  
Schüler, Max, Frankfort-on-the-Main.  
458. Portrait of Pablo de Sarasate.  
Schütz, Theodor, Dusseldorf.  
459. Winter Landscape (Moonlight).  
Schwabe, B., Dusseldorf.  
460. Cemetery.  
Schweitzer, Ad., Dusseldorf.  
461. Winter Day in Germany.  
Seel, Ad., Dusseldorf.  
462. Arabian Yard in Cairo. (Loaned by  
the National Gallery of Berlin.)  
Seiler, Prof. Carl, Munich.  
463. The Tailor of Count Brühl.  
Seitz, Prof. Ant., Munich.  
464. Music.  
Seyppe, C. M., Dusseldorf.  
465. A Lumber-chamber of the Convent.  
466. In the Streets.

## Paintings in Oil.

Exhibit  
No.

- Simm, Franz, Munich.  
 467. The Pride of the Family.  
 468. Birds of Bad Omen.  
 Skarbina, Prof. Franz, Berlin.  
 469. Bitter Words.  
 470. A New Book.  
 Sonderland, Fritz, Düsseldorf.  
 471. In the Knitting-school.  
 Smith, Prof. Carl Feithof, Weimar.  
 472. Portrait of the Norwegian poet, Henrik Ibsen.  
 473. Children in the Nursery Garden.  
 Staats, Miss Gertrud, Breslau.  
 474. Before the Gate.  
 Stadler, Miss Toni, Lain near Nymphenburg Munich.  
 476. Landscape.  
 Stahl, Fr., Berlin.  
 477. Cemetery in Winter. (Like the leaves in the woods so are generations of mankind—one grows, the other is going.)  
 Stahlschmidt, Max, Weimar.  
 478. The Mill-Garden.  
 Steinmetz, Fritz, Munich.  
 479. A "Solo."  
 Stetten, Carl von, Paris.  
 480. Italians in Paris.  
 481. Portrait of the Artist C.  
 Stockmeyer, Karl, Malsch Aant Ettlingen.  
 482. And St. Peter Went Away (And Went Bitterly).  
 Strecker, Miss Constanze, Munich.  
 483. My Sick Little Cat.  
 Strömeyer, Miss Helene, Karlsruhe.  
 484. A Wreath of Roses.  
 Strützel, Otto, Munich.  
 485. On the Heath.  
 486. A Sunny Day in March.  
 Stuck, Franz, Munich.  
 487. Pieta.  
 Sturm, F., Berlin.  
 488. Mireck Waiting for a Pilot.  
 Sturtzkopf, Franz, Weimar.  
 489. The Cooper's Workshop.  
 Spangenberg, L., Berlin.  
 490. The Valley of the Engadin.  
 Speyer, Christian, Munich.  
 491. The Parliamentair.  
 Spielter, C., Charlottenburg.  
 492. Shocking.  
 Spring, Alfons, Munich.  
 493. Fisherman's Home.  
 494. The New Hymn.  
 Thedy, Prof. Max, Weimar.  
 495. At the Spring.  
 496. Spring.  
 Thierbach, Rich., Stolberg.  
 497. Landscape (Evening).

Exhibit  
No.

- Thumann, Prof. Paul, Berlin.  
 498. Psyche.  
 Truebner, Wilh., Munich.  
 499. Potato Field.  
 500. The First Trial.  
 Tübbecke, Paul, Weimar.  
 501. Pottery Market in Weimar.  
 Türcke, Rud., Dresden-Alttstadt.  
 502. Landscape from the Riviera.  
 Mentone.  
 Uhde, Prof. Fritz von, Munich.  
 503. The Announcement to the Shepherds.  
 504. Christmas Evening.  
 Ulrich, F., Berlin.  
 505. Wild Boars Challenging.  
 Vantier, Prof. Benjamin, Düsseldorf.  
 506. At the Sick Bed. (Loaded by National Gallery of Berlin.)  
 Velten, Wilhelm, Munich.  
 507. Out Guard.  
 508. Courier.  
 Volcker, Hans, Berlin W.  
 509. Old Ferry near Stralsund.  
 Volkmann, Hans von, Karlsruhe.  
 510. Return of the Flock.  
 511. Autumn.  
 512. Going to the Fair.  
 513. The Shepherd's Rest.  
 514. The Kahl Valley near Grolsch.  
 Volz, Wilhelm, Munich.  
 515. Maria.  
 Vorgang, Paul, Berlin.  
 516. After the Storm.  
 517. Evening at the Lake.  
 Warthmüller, R., Berlin.  
 518. Evening (Andromeda).  
 Wansleben, Arthur, Düsseldorf.  
 519. Landscape (Swamp).  
 Weichberger, Eduard, Weimar.  
 520. Summer Evening.  
 521. Forest-Pond.  
 Weishaupt, Victor, Munich.  
 522. Mount Otter.  
 Wenglein, Prof. Josef, Munich.  
 523. Chalkstone Gattifiers in the Isar. (Loaded by the State of Bavaria.)  
 Wentscher, J., Berlin.  
 524. Baltic Coast (Ragern).  
 525. Surf on the Baltic Coast.  
 Werner, Prof. Al. von, Berlin.  
 526. The Congress of Berlin.  
 Werner, Prof. Fritz, Berlin.  
 527. Female Sutler. (Loaded by National Gallery of Berlin.)  
 Wessel, Ludwig, Düsseldorf.  
 528. Inquiring Prebendary.  
 Wielandt, Manuel, Karlsruhe.  
 529. Italian Coast Scenery.

## Paintings in Water Colors and Engravings

Exhibit No.	Exhibit
192.	Hay Time. Looschen, Hans, Berlin.
193.	Deiters, H., Düsseldorf.
194.	At the Millbrook. Looschen, Hans, Berlin.
195.	Village in Westphalia. Looschen, Hans, Berlin.
196.	Doepfer, Professor, Berlin.
197.	"The Beginning of the End." (Loaned by the National Gallery of Berlin.) Döring, Willy, Charlottenburg.
198.	Portrait. (Pastel.) Eckenbrecher, Th. v., Berlin.
199.	Street in Cairo. Eckenbrecher, Th. v., Berlin.
200.	On the Bosphorus. Eitner, Ernst, Hamburg.
201.	Afternoon Sun. Falat, T., Berlin.
202.	Italian Thicket. Fehr, Conrad, Berlin.
203.	Plous Monk. (Pastel.) Gleichen-Russwurm, Ludwig, Freiligrath, Weimar.
204.	Orchard. Haber, Rudolf von, Dresden-Neustadt.
205.	Autumn Landscape. Haber, Rudolf von, Dresden-Neustadt.
206.	Still Life. Hein, Franz, Karlsruhe.
207.	"Spring." Herzmann, Hans, Berlin.
208.	"Sweet-tooth." Herzmann, Hans, Berlin.
209.	Dutch Harbor Scenery (Loaned by the National Gallery of Berlin.) Hertel, Prof. Albert, Berlin.
210.	The "Lindengracht" at Amsterdam.
211.	The "Singel" at Amsterdam.
212.	Rapallo. Herweg, V. M., Munich.
213.	Gastein Nassfeld. Herweg, V. M., Munich.
214.	Evening on the Nassfeld near Gastein. Herweg, V. M., Munich.
215.	View from Monte Pincio. Herweg, V. M., Munich.
216.	Mentone and the Campo Santo. Herweg, V. M., Munich.
217.	Harbor of Mentone. Herweg, V. M., Munich.
218.	On the Rhine (Lowland). Herweg, V. M., Munich.
219.	The Temple of Antony. Herweg, V. M., Munich.
220.	View from Mount Palkin. Herweg, V. M., Munich.
221.	Kallmorgen, Prof. Friedr., Karlsruhe.
222.	Grandfather's Pets. Klimsch, Prof. Eugen, Frankfurt-am-Main.
223.	A Fan. Kubierschky, Erich, Munich.
224.	Spring (River Rhine). Leistikow, W., Berlin.
225.	Autumn (River Rhine). Leistikow, W., Berlin.
226.	Twilight. Leistikow, W., Berlin.
227.	A Winter Day in the Mountains. (Pastel.) Leistikow, W., Berlin.
228.	Autumn. Leistikow, W., Berlin.
229.	Summer. Leistikow, W., Berlin.

## Paintings in Water Colors, Engravings and Etchings, Prints.

Exhibit  
No.

- Looschen, Hans, Berlin.  
 596. A Tavern in the Wood.  
 Lutteroth, Prof. Ascan, Hamburg.  
 597. The Titus-arch at Rome.  
 598. Mount Palatine at Rome.  
 599. Castel St. Angelo, St. Peter at Rome.  
 Maunchen, Adolf, Halle a-S.  
 601. In the Cloister.  
 602. Potato Dumplings.  
 Menzel, Prof. Adolf, Berlin.  
 603. A Squirrel.  
 604. Tree Trunk with Bird.  
 605. A Cacatoo.  
 606. The Blue Aras.  
 607. Chinese Women with Pheasants.  
 608. Designs for a Table Set for their R.H.  
 the Crown Prince and Crown Princess.  
 608a. Portrait of Dr. Puhlmann.  
 Nos. 603-608a loaned by the National  
 Gallery of Berlin.  
 608b. Confectioner on the Morning Promen-  
 ade at Kissingen.  
 608c. Study.  
 608d. Beergarden at Kissingen.  
 608e. Bakery at Kissingen.  
 Normann, A., Berlin.  
 609. Evening, Norwegian Coast. (Pastel.)  
 Pohle, Herm. Emil, Dusseldorf.  
 610. Four in Hand Eloping.  
 Reinecke, René, Munich.  
 611. In the Waiting-room (Central Station,  
 Munich).  
 Rogge, Prof. Theod., Weimar.  
 612. Portuguese Coast.  
 Schnee, H., Berlin.  
 613. Summer Morning.  
 Seliger, M., Berlin.  
 614. Parrots. (Fan.)  
 615. Ells and Night-fires. (Fan.)  
 Skarbina, Prof. Franz, Berlin.  
 616. Christmas Fair.  
 617. Conversation. (Loaned by the National  
 Gallery of Berlin.)  
 Stiechart, Alexander, Dresden-Strehlen.  
 618. Spooks.  
 Teschendorff, Prof. E., Berlin.  
 619. Old Peasant from Meran.  
 Volcker, Hans, Berlin.  
 620. Straits of Gibraltar.  
 Weichberger, Eduard, Weimar.  
 621. Village Garden in May.  
 Woltze, Prof. Berth., Weimar.  
 622. A Cotquean, (Pastel.)

## GROUP 143.

## Engravings and Etchings, Prints.

## WITH GROUP 144, DRAWINGS.

In Upper Gallery Alcoves 163, 164.

Exhibit  
No.

- Barenfanger, Max, Munich.  
 623. John Chambers, Physician in Ordinary  
 to King Henry VIII of England. En-  
 graving after Holbein.  
 624. Portrait of a Young Wife. Wood-  
 engraving after Franz Hals.  
 Behmer, Herm., Weimar.  
 625. Portrait of the poet Gust. Kasper.  
 Berlepsch, Hans Ed von, Munich.  
 626. Indian Ink Drawings.  
 Böttcher, F., Steglitz, near Berlin.  
 627. The Ascension. (After von Gebhard  
 Burger, Johann, Munich.)  
 628. Aurora. (After Guido Reni.)  
 Eilers, Prof. G., Berlin.  
 629. Saint Cecil. (After Rubens.)  
 630. Portrait of Joachim.  
 631. Portrait of Menzel.  
 Erdmann, Max., Munich.  
 632. Maderno on Lake Garda.  
 633. Near Döten (Moonlight).  
 634. Near Berchtesgaden.  
 Feldmann, W., Berlin.  
 635. Evening in Westfalia.  
 636. The Castle "Em."  
 637. Six Drawings in Indian Ink.  
 Fichard, Max von, Baden Baden.  
 638. Three Etchings.  
 Heim, Heinz, Darmstadt.  
 639, 639a. A Series of Studies from Life.  
 Horte, Max, Berlin.  
 640. Columbus Scoffed by the Council.  
 Salamanca.  
 Jahnke, Karl, Munich.  
 641. The Death of "Renard."  
 Koeppling, Prof. C., Berlin.  
 642. Picture of an Old Man. (After Rem-  
 brandt.)  
 643. Summer Idyl.  
 Kohnert, H., Berlin.  
 644. Autumn Evening.  
 645. Spring Morning.  
 Krauskopf, Prof. Wilh., Karlsruhe.  
 646. Portrait.  
 647. Landscape.  
 Krostewitz, F., Berlin.  
 648. Landscape.  
 Kruger, A., Berlin.  
 649. Eight Etchings After Ancient Masters.  
 Menzel, Prof. Adolf, Berlin.  
 649a. Muzzle. (Pen drawing.)  
 649b. 12 Studies. (Pencil.)

Paintings in Water Colors, Architecture.

Armon.  
Armon. Pen drawings.  
Armon. Pen drawings.  
Helmet.  
649b lent by the National  
in.  
is, Berlin.  
graving. (War).  
s (The Dance of Death).  
rl Theod., Munich.  
chings.  
Munich.  
s With Pencil Drawings.  
s, Berlin.  
otten. (After Gallait).  
of the Rhineland, and  
seldorf.  
ruggle.  
Cyrolian.  
n the Erf.  
Love.  
s.  
wyer.  
neral.  
Munich.  
r Rembrandt.  
n, Weimar.  
chings.  
rnberg.  
Church at Nurnberg.  
cht, Munich.  
y Penny. (After Titian).  
Munich.  
enell Drawings.  
Wimmer-Marl.  
Destinies.  
nich.  
Weimar.  
Drawing.  
rawing.  
DUPS 139-145J  
itecture.  
t. Drawings and Designs  
leaves, 102-108-109.  
ery Alcoves, 159-162.  
Berlin.  
Glogau, Silesia, built  
See 744.  
ber, Berlin.  
Circus at Berlin.  
burg University.)

Exhibit  
No.  
Busse, A., Berlin  
675. Plans for the Imperial Institute for  
Patents, at Berlin. (See also 743.)  
676. Plans for the Imperial Insurance In-  
stitute, at Berlin. (See also 745.)  
Dollinger, Prof. C., Stuttgart.  
677. Façade of the Court House at Tubin-  
gen, built 1435, restored 1871.  
Durm, Dr. Joseph. (See Karlsruhe.)  
Eggeft. (See Strassburg University.)  
Ende & Bockmann, Berlin.  
678. Parliament House at Tokio.  
679. Ministry of Justice at Tokio.  
680. Court Houses at Tokio.  
681. Office Building of the Bank for Com-  
merce and Industry, Berlin.  
682. Landeshaus at Danzig.  
683. Office Building at Danzig.  
Erwin. (See Weltzien.)  
Frankfort a-M., Department of Public  
Works.  
684. Opera House at Frankfort a-M., built  
1873-1880, from designs by R. Lucas.  
685. Willenur-Frankenstern School.  
Graf, Jacob. (See Royal Direction.)  
Haller, M., Hamburg.  
686. Office Building of the Hamburg-  
American Packet Company, Hamburg.  
687. The Dovenhof, at Hamburg—office  
building.  
Hase, Prof. C. W., Hannover.  
688. Church at Georg's Marienhütte, West-  
phalia.  
689. Façade of the Central Depot at  
Oldenburg.  
Hanbriesser, Prof. G., Munich.  
690. Court House at Weisbaden, built 1884-  
1890.  
691. Villa Näher, at Lindau.  
692. Herz Jesu Church.  
Hehl, Christoph, Hannover.  
693. Project for restoring the dome (Cath-  
edral) at Bremen.  
694. St. Mary's, at Hannover.  
695. Garrison Church at Hannover.  
696. Court House at Harburg on the Elbe,  
built 1889-1892.  
697. High altar of St. Mary's, Hannover.  
Heim, L., Berlin.  
698. Hotel Monopol, at Berlin.  
699. Hotel Continental, at Berlin.  
Heinqvetter, Hans, Munich.  
700. Project for an exhibition building,  
combined with theater, circus, ball and  
concert rooms.  
Hofmann, K., Worms.  
701. Water Tower at Worms, built 1889-  
1890.  
702. Storehouse at Worms.

## Architectural Exhibits.

Exhibit  
No.

- Horst, Christian, and V. von Wetzlar,  
Darmstadt.
703. Clinical Institute at Giessen, built  
1897-1899.
704. Lunatic Asylum at Giessen.
705. Designs and View, of the Villa And-  
race.
706. View of the Essighaus at Frankfurt  
a-M.
- Huber, Franz, Neustadt a-M.
707. Album of Architectural Designs.
- Imperial Ministry of Public Works, Berlin.
708. Cathedral at Schleswig.
709. Reformed Church at Instertburg.
710. Luther Church at Stettin.
711. Church at Alt Geltow.
712. Church at Lütgen Dortmund.
713. Grace Church at Berlin.
714. Physical Science Institute on the Tele-  
graphenberg near Potsdam, with map of  
situation.
715. Museum of Physics at Berlin.
716. Mineralogical Museum of the Uni-  
versity at Kiel.
717. New buildings for the Clinical Insti-  
tute of the University at Breslau.
718. Surgical Clinic at Breslau.
719. New buildings for the Clinical Institute  
of the University at Göttingen.
720. Physical Institute of the University at  
Halle.
721. Pathological Institute of the Univer-  
sity at Breslau.
722. Pathological Institute of the Univer-  
sity at Göttingen.
723. Court House at Cologne.
724. Court House at Aix-la-Chapelle.
725. Court House at Crefeld.
726. Court House at Bochum.
727. Court House at Neuß.
728. Court House at Kempen.
729. Court House at M. Gladbach.
730. Court House at Frankfurt on the  
Main.
731. University at Marburg.
732. Gymnasium at Sigmaringen.
733. Augusta School at Berlin.
734. Archives at Aachen.
735. Morgue at Berlin.
736. Skylight Court in the Court House  
at Cologne.
737. Government Building at Hildesheim.
738. Government Building at Münster.
739. Reception Hall and Building at the  
Depot at Düsseldorf.
740. Reception Hall and Building at the  
Depot at Halle.

Exhibit  
No.

741. Reception Hall and Building at the  
Depot at Priemkau.
742. Penitentiary at Gross-Strellitz.
- Imperial Ministry of the Interior, Berlin.
743. Model of the Imperial Institute for  
Patents, Berlin. A. Busse architect.  
lin. (See 675.)
744. Model of the Parliament House  
Berlin, built 1884-1885. Paul Weg  
architect, Berlin. Richard Berger, Sculp-  
tor, Berlin.
745. Model of the Imperial Insurance In-  
stitute at Berlin. A. Busse, archi-  
(See 676.)
- See Strassburg University  
Jacobsthal.
- Karlruhe, Archiducal Direction of Public  
Works. (Dr. Joseph Durm, Karlsruhe.)
746. Archiducal Palace.
747. Empress Augusta Baths.
748. Churches at Schöpfungheim and Baden-  
weiler.
- Kayser & von Grossheim, Berlin.
749. Office Building of the Book Trade  
Leipzig, built 1886-1888.
750. Hotel Domhof at Cologne, built  
1893.
- Klingenberg, E., Freesburg, in the Harz.
751. Project for a Dome (Cathedral) at  
Berlin.
752. Project for the enlargement of the  
Museums at Berlin.
- Kramer, Prof. Th., Nuremberg.
753. Museum of Industry at Nuremberg.
- Kreyszig, E., Mainz.
754. The Stadthalle at Mainz, built  
1883.
- Lambert & Stahl, Stuttgart.
755. National Museum at Berlin.
- Levy, Prof. L., Karlsruhe.
756. Synagogue at Karlsruhe, built  
1883-1886. (Interior decoration by  
tave Ballin, from Frankfurt a-M.)
- Licht, H., Director, Leipzig.
757. Project for a Town Hall, Leipzig.
758. Police Court at Leipzig.
759. Enlargement of the Museum at Leip-  
zig.
- Linse, E., Aix-la-Chapelle.
760. An Album of Designs for Private  
Houses, with examples of interior decora-  
tion.
- Luche, R. (Sao Frankfurt.)
- March, O., Charlottenburg.
761. Town Festival Hall at Wilmersdorf,  
1888-1889. (Facade and view of  
with equipment for opera and play  
the people.)

## Architecture.

ee Weltzien.)

Frankfort a-M.

Image Church, St. Rochus, near  
n the Rhine.

er, Professor. (See Royal Pho-  
Institute.)

n, Prof. Skjold, Stuttgart.

um of Industry at Stuttgart

c Library at Strassburg.

rsity at Strassburg.

and von Kauffmann, Frankfort

Pflugensberg, near Eisenach.  
Office Building at Frankfort-on-  
built 1890-1892.

Prof. A., Karlsruhe.

Altenstein, near Lichtenstein,  
gia, built for the Duke of Saxe

Johannes, Berlin.

ed Church at Wiesbaden.

Church at Berlin.

, Bremen.

ement of Council Hall at Bre-

ion of the State Railways of  
unich.

Depot at Munich (one view  
twings), built 1876-1883 by Ja-

etric Institute, Prof. Meyden-

ty-three (43) photographs,  
nd one reproduction.

Leipzig.

of the University at Leipzig.  
See Strassburg University.)

emen.

uction of the Cathedral at

hardt, Berlin, Charlotten-

for a National Monument to  
William I.

A., Munich.

ehl, built 1882-1883.

agogue at Munich, built 1884-

Munich.

Freiherr H. von, Munich.

at Darmstadt.

H Tower at Passau.

ction of St. Catharine's at  
nished 1892.

Berlin.

a National Monument to  
am I.

Exhibit

No.

Schmitz, Franz, Strassburg.

821. Reconstructions, Strassburg, Cathed-  
ral.

Schreiterer & Schreiber, Cologne.

822. Reconstruction of the Town Hall Cel-  
lars at Halle a-S.

Schwarz, G., Hildesheim.

823. Reconstruction of the Town Hall at  
Hildesheim, 1883-1888.

Schwechten, Franz, Berlin.

824. Model of the Emperor William Me-  
morial Church at Berlin.

Seeling, C. H., Berlin.

825. Project for a Theater at Stockholm.

826. Project for a University Library at  
Leipzig.

827. Project for a Kur-Trinkhalle at Wies-  
baden.

Solf, Berlin.

828. Villa in the Grünewald, near Berlin.

Spitta, Prof. V., Berlin.

829. Model of the Grace Church at Berlin.

Strassburg University.

830-832. Several new buildings for the  
University of Strassburg. Architects:  
Worth, Eggert, Isleiber, Salomon, Jacobs-  
thal, Brion.

Strigler, Ph., Frankfort a-M.

833. Catholic Church at the Gartenfeld,  
Mainz.

Tiede, Prof. Aug., Berlin.

834. Project for a Museum for Classical  
Art.

Tornow, P., Metz.

835. Reconstruction of the Cathedral at  
Metz.

836. The Liebfrauen Church at Metz.

Tüshaus & von Abbema, Düsseldorf.

837. The Drachenburg, near Königswinter.

Wagner, Prof. H. von. (See Weltzien.)

Wallot, Paul. (See 744.)

Walther, Prof. C., Nuremberg.

838-841. The von Tucher Brewery at Ber-  
lin. (Four drawings.)

Welb, C. & C.

842, 843. Residence in a Park.

Weltzien, Prof. V. von. (See Horst.)

Weltzien, Prof. V. von, Prof. H. Wagner,  
Erwin and Marx, Darmstadt.

844-846. Buildings of the Grand Ducal  
Technical High School at Darmstadt.

Winkler, C., Colmar.

847. Reconstruction of St. Theobaldus  
Church at Thann, Alsatia.

Wolff, Felix.

848. Apartment House in Vienna, Perspec-  
tive.

849. Elevation of the Same.

Worth, Prof. (See Strassburg University.)



# GREAT BRITAIN.

President of the Royal Commission.

H. R. H. THE PRINCE OF WALES, K. G.

Secretary of the Royal Commission.

SIR HENRY TRUMAN WOOD, R. A.,

Victoria House, Jackson Park.

Superintendent of the Fine Arts Section.

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WILFRED H. CALDERON, R. A.

R. PHILIP CUNLIFFE-OWEN, K. G. B., K. C. M. G., C. I. E.

HENRY WILLIAM BANKS DAVIS, R. A.

R. JOHN GILBERT, R. A.,

President of the Royal Society of Painters in Water Colors.

SEYMOUR HADEN, P. R. P. E.

EXANDER HENDERSON.

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WILLIAM CUTHBERT QUILTER, M. P.

FREDERIC STAGPOOLE, A. R. A.

ROBERTUS STONE, R. A.

HAMO THORNYCRAFT, R. A.

W. L. OF WHARFCLIFFE.

Information regarding exhibits for sale apply at desk in Gallery 18.

## GREAT BRITAIN.

## Sculpture, Paintings in Oil.

## GROUP 139.

## Sculpture.

In South Court and Gallery 18.

Exhibit  
No.

- Allen, Charles J., London.  
1. Repulsed.  
Brown, Miss B. A. M., Beckenham.  
4. The Pearl. (Marble group.)  
Dressler, Conrad, London.  
5. Bacchante.  
6. "Mewling and Puking in the Nurse's Arms."  
7. Girl Tying on Her Sandals.  
Drury, Alfred, London.  
8. The First Reflection.  
Fehr, H. C., London.  
9. Morning.  
Ford, E. Onslow, A. R. A., London.  
10. Statue of Henry Irving as "Hamlet."  
11. Right Hon. W. E. Gladstone.  
12. General Gordon on Camel.  
Frampton, George, London.  
13. Caprice. (Lent by C. Mitchell, Esq.)  
14. Singing Girl. (Lent by Arthur Leslie Collie, Esq.)  
15. St. Christina.  
Holiday, Henry, London.  
17. Sleep.  
John, W. Goscombe, London.  
18. Morpheus.  
19. Study of a Female Head.  
Joy, Albert Bruce, R. H. A., London.  
20. The Marquis of Salisbury.  
21. The Archbishop of Canterbury.  
22. Mrs. Mary Anderson Navarro.  
Lee, Thomas Stirling, London.  
23. Kiss of Dawn.  
24. Bronze Medallion.  
Leighton, Sir Frederick, Bart., P. R. A., London.  
25. Needless Alarm. (Lent by Sir John E. Millais, Bart, R. A.)  
26. The Sluggard.  
MacLean, T. Nelson, London.  
27. Tragedy.  
28. Comedy.

Exhibit  
No.

29. La Source.  
Montalba, Miss Henrietta S., Venice.  
30. Boy Catching a Crab.  
Moutford, Horace, London.  
31. Threatened Reprisals.  
32. The Birth of Venus.  
Moore, Miss E. M., London.  
33. Bust of a Child.  
34. A Ruffian.  
Palmer, Miss Ada M., Chigwell.  
35. The Pied Piper of Hamelin.  
Pomeroy, F. W., London.  
36. Dionysius. (Lent by H. Pfungst, Esq.)  
37. Giotto.  
Rhodes, Roland, Newcastle.  
38. Egyptian Harpist.  
39. Youth's First Recognition of Love.  
Swan, John M., London.  
40. Lioness.  
41. Tigress.  
42. Panther.  
Thornycroft, Hamo, R. A., London.  
43. The Mower.  
44. Teucer. (Lent by the Art Institute, Chicago.)  
45. Edward I.  
46. Putting the Stone.  
Toft, Albert, London.  
47. The Right Hon. W. E. Gladstone.  
Watts, G. F., R. A., London.  
48. Clytie.  
Woolner, Thomas, R. A. (the late).  
49. Bust of Lord Tennyson.  
50. Bust of Carlyle.  
51. Bust of Cardinal Newman.  
52. Bust of Right Hon. W. E. Gladstone.  
53. Medallion Portrait of Lord Tennyson.  
Nos. 49-53 lent by Mrs. Woolner.

## GROUP 140.

## Paintings in Oil.

In Galleries 12, 13, 14, 15, 17, 18.

- Allen, Robert W., R. W. S., London.  
54. Lowlands of Holland.  
55. Pilgrims Resting, India.

## Paintings in Oil.

**Miss Anna, London.**

**L., R. A., London.**

tion to Bacchus. (Lent by  
y Mr. E. Gambart, Spanish

ce at Agrippa's. (Lent by  
Esq.)

ture Gallery. (Lent by  
lloch, Esq.)

**Mrs., London.**

and Shuttlecock. (Lent by  
en, Esq.)

ncies. (Lent by E. H. Van

lcome. (Lent by Merton  
Esq., F. R. G. S.)

n regarding British Exhi-  
y at desk in Gallery 18.

**l. S. A., London.**

ne of the Early Christian

**A., London.**

omological Sale.

**London.**

(Lent by Mrs. Lees Evans.)  
ce. (Lent by J. Walker,

**l., London.**

Wood.

**, London.**

Walls of Queen Victoria.  
last of England's wooden  
off Portsmouth dockyard,  
e "Britannia," of 120 guns,  
e flagship of the port; the  
g the "London," of 92  
central three-decker, dry-  
he "Queen," of 110 guns;  
me left lies the fast-sail-  
e thusa." (Lent by E. S.  
J. P.)

**l., London.**

Worte." } (Lent by Will-  
p. } iam Yeats Bak-  
er, Esq.)

**London.**

**e New Forest.**

**R. W. S., Brighton.**

t. (Lent by J. B. Sudher-

**V., London.**

the Life of the Dauphin  
a Revolution, 1788.

Exhibit

No.

**Bartlett, W. H., London.**

76. Practising for the Swimming Match.  
(Lent by Henry Whitehead, Esq.)

77. The Village Billiard Players. (Lent by  
E. de la Penha, Esq.)

78. A Wrack Harvest. (Lent by E. Stain-  
ton, Esq.)

**Bates, David, Birmingham.**

79. The Sphinx.

**Bayliss, Wyke, P. R. B. A., London.**

80. Interior of Amiens Cathedral.

81. Interior of St. Peter's, Rome.

**Beadle, James Prinsep, London.**

81. Masquerade.

83. In the Pas de Calais. (Lent by General  
Beadle.)

**Beavis, Richard, A. R. W. S., London.**

84. A Stampede in the Highlands.

**Belgrave, Percy, London.**

85. Combe Valley, near Morwenstow.

**Bigland, Percy, London.**

86. Portrait of the Countess Cairns. (Lent  
by Countess Cairns.)

**Boughton, G. H., A. R. A., London.**

87. Dancing Down the Hay. (Lent by Sir  
Edward H. Carbutt, Bart.)

88. Winter Sunrise.

89. Love in Winter.

**Bourdillon, Frank W., Dorking.**

90. On Board the Revenge.

91. "Twas in '55." (Lent by John Lewis,  
Esq.)

**Bramley, Frank, Penzance.**

92. A Hopeless Dawn. (Lent by T. Harry  
Eve, Esq.)

93. "For of Such Is the Kingdom of  
Heaven." (Lent by George McCulloch,  
Esq.)

**Brangwyn, Frank, London.**

94. The Convict Ship.

95. Pilots, Peurta de Passages.

**Brett, John, A. R. A., Putney.**

96. The Highland Summer.

97. The Promise of a Wild Night.

98. "Some Fall on Stony Ground."

**Brown, Ford Madox, London.**

99. Romeo and Juliet. (Lent by James  
Leathart, Esq.)

100. Wicliff on Trial. (Lent by Henry  
Boddington, Esq.)

**Brown, Frederick, London.**

101. "When the Evening Sun is Low."

**Burgess, J. B., R. A., London.**

102. The Spanish Letter-Writer. (Lent by  
Joseph Pulley, Esq.)

103. The Church Door. (Lent by Sir Julian  
Goldsmid, Bart., M. P.)

## Paintings, in Oil.

Exhibit  
No.

104. "Maidens, Like Moths, Are Ever Caught with Glare." (Lent by George McCulloch, Esq.)  
**Butler, Lady.**  
 105. The Roll Call. (Lent by Her Majesty, the Queen.)  
**Calderon, W. Frank, London.**  
 106. "Fire."  
**Calderon, P. H., R. A., London.**  
 107. Farewell. (Lent by the Fine Art Society.)  
**Caldecott, Randolph (the late).**  
 108. Hunting Scene. (Lent by Messrs. Thos. Agnew & Sons.)  
**Calkin, Lance, London.**  
 109. "The Campbells are Coming."  
**Calthrop, Claude, London.**  
 110. Attempted Assassination of William the Silent, Prince of Orange.  
**Cameron, Hugh, R. S. A., Largo, Scotland.**  
 111. Kilmeny Coming Back from Fairyland. (Lent by James Lindsay, Jr., Esq.)  
 112. Buttercups and Daisies.  
**Canziani, Madame Louisa Starr, London.**  
 113. Two Little "Home Rulers," the Hons. Dudley and Archie Gordon, sons of the Earl of Aberdeen. (Lent by the Earl of Aberdeen.)  
**Carter, William, London.**  
 115. Portrait of Wm. Sheppard Hoare, Esq. (Lent by W. S. Hoare, Esq.)  
 116. Portrait of G. Trenchard Cox, Esq. (Lent by E. A. Cox, Esq.)  
**Charles, James, Bosham.**  
 117. In Memory Of.  
 118. Left in Charge.  
 119. A Frosty Morning.  
 Nos. 117-119. (Lent by John Maddocks Esq.)  
 120. Jack at Home. (Lent by John W. Smith, Esq.)  
**Charlton, John, London.**  
 121. The Royal Jubilee Procession Passing Through Trafalgar Square. (Lent by Her Majesty the Queen.)  
 122. Incident in the Charge of the Light Brigade.  
**Childers, Miss Milley, London.**  
 123. The Last Survivor of Trafalgar.  
**Clark, James, London.**  
 124. The Favorite.  
 125. Early to Bed.  
**Clark, Joseph, London.**  
 126. The Sick Child. (Lent by H. J. Turner, Esq.)  
 127. Walls and Strays. (Lent by Chas. B. Clarke, Esq.)  
 128. Playmates.

Exhibit  
No.

- Clausen, George, R. I., Newport.**  
 129. Ploughboy. (Lent by Alex. Young, Esq.)  
 130. Brown-eyes. (Lent by C. N. Luxmore, Esq.)  
 131. Woman of the Field. (Lent by J. Dunnachie, Esq.)  
 132. The Breakfast Table.  
 133. Ploughing. (Lent by Messrs. Bousod, Valadon & Co.)  
**Cohen, Miss Ellen G., London.**  
 134. A Little Refugee from Russia.  
**Coke, Alfred Sacheverel, Isle of Wight.**  
 135. Hagar.  
**Cole, Vicat, R. A. (the late).**  
 136. Abingdon. (Lent by George McCulloch, Esq.)  
 137. Ripening Sunbeams. (Lent by the Lord Brassey.)  
**Collier, The Hon. John, London.**  
 138. The Death of Cleopatra. (Lent by the Corporation of Oldham.)  
 139. Circe. (Lent by Elliott Lees, Esq. M. P.)  
**Corbet, Mrs. M. Ridley, London.**  
 140. On the Coast near Pisa.  
**Corbet, M. Ridley, London.**  
 141. The Carrara Mountains.  
 142. The Mouth of the Arno. (Lent by Mrs. Devitt.)  
**Crane, Walter, A. R. W. S., London.**  
 143. Freedom.  
**Davis, H. W. B., R. A., London.**  
 144. "Now Came Still Evening On." (Lent by George McCulloch, Esq.)  
 145. A Gleamy Day, Picardy. (Lent by George McCulloch, Esq.)  
 146. The Western Highlands.  
**Dawson, Nelson, London.**  
 147. The Sunset Breeze.  
**Detmold, H. E., Hastings.**  
 148. A Glimpse of Future Seas.  
**Dicksee, Frank, R. A., London.**  
 149. The Passing of Arthur. (Lent by Stephen G. Holland, Esq.)  
 150. The Redemption of Tannhauser. (Lent by Thomas D. Galpin, Esq.)  
**Dobson, W. C. T., R. A., R. W. S. Petworth.**  
 151. The Wandering Minstrel.  
**East, Alfred, R. I., London.**  
 152. An Angry Dawn. (Lent by George McCulloch, Esq.)  
 153. The Arms of Peace.  
**Ellis, Edwin, London.**  
 154. Full Summer, Flambro'. (Lent by W. E. Hartshorn, Esq.)  
**Emalie, A. E., London.**  
 155. Saving the Shipwrecked.

## Paintings in Oil.

uit of the Rev. James Martineau,  
L.L.D.

Miss L., London.

folk Dyke.

ard H., R. I., London.

it View of Florence, Looking  
no.

ether Pool, a Nibble.

in.

Joseph, London.

ing West.

emple of Karnak.

David, London.

he Storm, Glenlyon. (Lent by  
Esq.)

felton, London.

mer Night.

ice, London.

ard Players.

lay Rest.

riely, London.

of Death.

ndford, Enfield.

l.

Stanhope, London.

itch. (Lent by George McCul-

hope A., A. R. A., London.

the Anchor } (Lent by George  
and Sailors } M'Culloch, Esq.)

R. A., London.

ce for Wealth, a series of five  
es, lent by Maurice Newton,

der and The Flies.  
der at Home.

it.

ion.

hn, R. I., London.

Palace. (Lent by the Corpo-  
ricester.)

s W., London.

Gray.

Brown Riding Habit.

ugh de T., London.

mpereur. (Napoleon I, Find-  
Asleep on Duty.)

rick, R. A., London.

ea of Galilee.

Offering. (Lent by Merton  
s, Esq., F. R. G. S.)

Dulwich.

t of the Ebb; Great Yar-  
Breydon Water.

e Sun Sets and the Moon

## Exhibit

No.

Gotch, T. C., London.

187. My Crown and Sceptre.

Gow, A. C., R. A., London.

188. Queen Mary's Farewell to Scotland.

(Lent by George McCulloch, Esq.)

Grace, A. F., Steyning.

189. Working Late in Valley of the Arun.

190. The Valley of the Cuckmere. (Lent  
by the Corporation of Brighton.)

Grace, James E., Godalming.

191. An Isle of Wight Pastoral.

192. A Surrey Pond.

Graham, Peter, R. A., London.

193. Caledonia Stern and Wild. (Lent by  
George McCulloch, Esq.)

194. The Hamlet on the Cliff—a Rocky  
Coast. (Lent by George McCulloch, Esq.)

Graham, T., London.

195. The Last Boat.

Grey, Alfred, R. H. A., Dublin.

196. An Irish Harvest Field; Peasants  
Loading Corn.

Hacker, Arthur, London.

197. Christ and The Magdalen.

198. Portrait of Miss W.

199. Fire Fancies.

Hague, Anderson, R. I., Llandudno, Wales.

200. Gyrffn Old Mill.

Hall, Fred., Penzance.

201. Adversity.

202. The Result of High Living.

Halswelle, Keeley (the late).

203. A Breezy Common. (Lent by Messrs.  
Arthur Tooth & Sons.)

Hare, St. George, London.

204. The Victory of Faith.

205. Reflections.

Hargitt, Edward, R. I., Basingstoke.

206. The Isle of Skye from the Mainland,  
near Plockton.

Hartley, Alfred, London.

207. Trafalgar Square.

Hayes, Edwin, R. H. A., R. I., London.

208. Hard a Port.

209. Saved.

Hayes, Claude, Addlestone.

210. Across a Surrey Common. (See also  
596.)

Haynes-Williams, J., Southampton.

211. Gallery of Francis I, Palace of Fon-  
tainebleau.

Helcke, Arnold, London.

212. Sandbanks.

Herkomer, Prof. H., R. A., Bushey.

213. The Last Muster. (Lent by W. Guth-  
bert Quilter, Esq., M. P.)

214. Miss Katharine Grant.

215. Entranced. "In some diviner mood  
of self-oblivious solitude."

## Paintings in Oil.

Exhibit  
No.

- Herkomer, Herman G., London.**  
 216. Portrait of Professor Hubert Herkomer, R. A.  
 217. David Bisphan in "La Bosche."  
**Hitchens, A., London.**  
 218. Fisherwomen Awaiting the Boats, Holland.  
**Holiday, Henry, London.**  
 219. Aspasia.  
 220. Street of Tombs, Pompeii.  
**Holl, Frank, R. A. (the late).**  
 221. Portrait of Sir John Tenniel. (Lent by William Agnew, Esq.)  
 222. Samuel Cousins, R. A. (Lent by Mrs. Frank Holl.)  
 223. The Earl Spencer, K. G. (Lent by The Earl Spencer, K. G.)  
 224. Portrait of the late J. S. Morgan. (Lent by Pierpont Morgan, Esq.)  
 225. Portrait of Major-General Sir Henry Rawlinson, Bart., G. C. B., F. R. S. (Lent by Sir H. Rawlinson, Bt., G. C. B.)  
**Holloway, C. E., London.**  
 226. The Old Town of Rye. (Water color). (Lent by Robert Riddick, Esq.)  
**Hook, J. C., R. A., Farnham.**  
 227. Wreckage from the Fruiter.  
 228. "Little to Earn and Many to Keep." (Lent by Messrs. Thos. Agnew & Sons.)  
**Hopkins, Arthur, A. R. W. S., London.**  
 229. "Springtime, The Only Pretty Ring-Time."  
**Horsley, John Callicott, R. A., London.**  
 230. Hide and Seek.  
 231. Finishing Touches.  
**Horsley, Walter C., London.**  
 232. The Captive.  
 233. Fortune Teller—Cairo.  
**Hunt, Alfred W., R. W. S., London.**  
 234. From Peak to Peak in Cloudland. (Lent by W. S. Caine, Esq., M. P.)  
**Hunter, Colin, A. R. A., London.**  
 235. The First Plunge of Niagara.  
 236. Fishers of the North Sea.  
 237. The Island Harvest. (Lent by the Fine Art Society.)  
**Hunter, G. Sherwood, London.**  
 238. Carrying the Viaticum, Finisterre, France.  
 239. Funeral of a Fisherman's Child, Volendam, Zuyder Zee.  
**Huson, Thomas, R. I., Liverpool.**  
 240. "Mists Hung Wide O'er Moor and Fell."  
**Ingram, W. Ayerst, Falmouth.**  
 241. Surt.  
**Jacomb-Hood, G. P., London.**  
 242. Summer.

Exhibit  
No.

- Jay, W. S., Arundel.**  
 243. Early Primrose, Herald of Spring.  
**Jenkins, Miss Blanche, London.**  
 244. A Water Nymph.  
**Johnson, C. E., R. I., London.**  
 245. The Slopes of Ben Nevis.  
**Johnson, Cyrus, R. I., London.**  
 246. A County Boundary.  
**Jolley, Gwilt, London.**  
 247. Consolatrix Afflictorum.  
**Jones, Sir Thomas A., P. R. H. A., Dublin.**  
 248. Loreli.  
**Jopling-Rowe, Mrs. Louise, London.**  
 249. "Dear Lady Disdain."  
 250. Salome.  
**Joy, G. W., London.**  
 251. Lady Daffodil.  
 252. Danaids.  
**Kennedy, C. N., London.**  
 253. Perseus.  
**Kennington, T. B., London.**  
 254. The Curse of the Family.  
 255. The Fair Harpist. (Lent by Mrs. Palmer.)  
**King, Edward, Petersfield.**  
 256. A Frolic.  
**King, Yeend., R. I., London.**  
 257. Autumn Wooing.  
 258. The Lass That Loved a Sailor. (Nos. 257, 258 lent by George McCulloch, Esq.)  
 259. A Gray Day in July.  
**Knight, Joseph, R. I., Llandudno, Wales.**  
 260. A Turnip Field. (Lent by Col. W. W. Mawson.)  
**Knight, J. W. Buxton, London.**  
 261. Sunday Morning, Hadley Church. (Lent by J. Maddocks, Esq.)  
 262. Plymouth. The Home of the English Settlers in America. (Lent by Henry Bonger, Esq.)  
**Laidlay, W. J., London.**  
 263. The Approach.  
 264. Moonrise on Hoxsey Mere.  
**La Thangue, L. H., Bosham.**  
 265. Leaving Home. (Lent by Isaac Smith, Esq., M. P.)  
 266. A Gaslight Study. (Lent by John Maddocks, Esq.)  
**Lavery, John, Glasgow.**  
 267. Katherine and Esther, Daughters of Lord McLaren. (Lent by Lord McLaren.)  
 268. An Esquetricienne.  
**Lawson, Cecil (the late).**  
 269. The Hop Garden. (Lent by Mrs. Cecil Lawson.)  
**Leader, B. W., A. R. A., Shere.**  
 270. Conway Bay and the Camarvonshire Coast. (Lent by George McCulloch, Esq.)

## Paintings in Oil

is Set. (Lent by George Esq.)  
London.

er and the Flowers (Long.

ederick, Bart., P. R. A.,

Wrestling with Death for  
ceastes. (Lent by Sir Ber-  
on, Bart., M. P.)  
the Hesperides. (Lent by  
loch, Esq.)  
d Andromeda.  
Captain Burton.  
ir, London.

Lent by T. J. Hirst, Esq.  
oved the King. Botocaccio.  
n Russell Cotes, Esq., F. R.

Betchwerth.  
the Barley.

A. Wallingford.

Chickens. (Lent by E. H.

1.)

weet Home." (Lent by

gnew & Sons.)

of Abingdon.

London.

inset. (Lent by M. Lindner,

(Lent by Henry Roche,

late).

arvest. (Lent by Samuel

M. P.)

s D., P. R. I., London.

Lent by C. Jacoby,

tion.) Esq.

R. S. A., London.

rd. (Lent by the Trustees

ree Library.)

ohn Polson, Esq. (Lent by

1.)

ondon.

ember.

e City.

the Public Garden.

ering, South of France.

A. (the late).

l.

rdine, from Sir Walter

" (Nos. 295, 296 lent by

new & Sons.)

ndon.

ank-offering.

ndon.

Cornwall.

## Exhibit

No.

Lucas, Seymour, A. R. A., London.

300. St. Paul's. (Lent by W. George King,

Esq.)

301. Louis XI. (Lent by John Chatham,

Esq.)

Lucas, Mrs. Seymour, London.

302. Henry VI.

Lund, Niels M., London.

303. A Scotch River.

Macallum, Hamilton, R. I., London.

304. "Rocked in the Cradle of the Deep."

(Lent by J. P. Heseltine, Esq.)

305. Return from Lance Fishing.

Macartney, Carlisle, H. M., London.

306. Moorland. (Lent by F. Scores, Esq.)

Macbeth, Robert W., A. R. A.

307. Stag Hunting in a Sea Fog.

308. The Fen Farm. (Lent by Messrs.

Thos. Agnew & Sons.)

Macbeth-Raeburn, H., London.

309. Nurse Ann, a Portrait.

310. Lewis, Walters, Esq., a Portrait.

Macgregor, Miss J., London.

311. In the Reign of Terror. (Lent by the

Corporation of Liverpool.)

312. The Mistletoe Bough. (Lent by Mrs.

Miers.)

Maclaren, Walter, London.

313. Fruit Harvest-time in an Orange

Garden, Capri, Italy.

Macwhirter, John, R. A., London.

314. "Fairy of the Glen." (Lent by Henry

Evans, Esq.)

315. Corrie-Arran.

316. "Hail, Gentle Spring." (Lent by W.

Margetson, W. H., London.)

317. Pygmalion.

Marks, H., Stacy, R. A., London.

318. The Gentle Craft. (Lent by E. Homan,

Esq.)

Mason, G. H. (the late).

319. Girls Dancing by the Sea. (Lent by

Lord Wantage, K. C. B., V. C.)

320. The Harvest Moon. (Lent by Alex.

Henderson, Esq.)

321. Return from Ploughing. (Lent by Her

Majesty, the Queen.)

322. Only a Shower. (Lent by Thomas L.

Devitt, Esq.)

McCulloch, George, London.

323. Caliban and Ariel.

McLachlan, T. Hope, London.

324. Mists in Early Autumn.

325. A Wind on the Hill.

Merritt, Mrs. Anna Lea, Andover.

330. Eve. (Lent by Alfred Waterhouse,

Esq., R. A.)

## Paintings in Oil.

Exhibit  
No.

**Millais, Sir John Everett, Bart., R. A., London.**

331. The Ornithologist.  
332. Halcyon Weather.  
333. The Last Rose of Summer.  
334. Sweet Emma Morland.  
335. Lingering Autumn. (Lent by George McCulloch, Esq.)

336. Shelling Peas. (Lent by Sir Frederick Leighton, Bart., P. R. A.)

337. Bubbles. (Lent by Messrs. Pears.)

**Miller, P. H., London.**

338. The Old Arm Chair.

**Millet, F. D., Worcestershire.**

339. How the Gossip Grew. (Lent by Robert Dunthorne, Esq.)

**Montalba, Miss Clara, R. W. S., Venice.**

340. A Thames Barge Off Chelsea.

**Moore, Albert, London.**

341. A Reverie. (Lent by Henry Moore, Esq., A. R. A.)

**Moore, Henry, R. A., London.**

342. Storm Brewing.

343. St. Alban's Race.

344. Sunset after a Storm.

**Morgan, Fred, London.**

345. The Favoured Swain.

**Morris, P. R., A. R. A., London.**

346. Sons of the Brave. (Lent by James Dole, Esq.)

347. Fête Dieu, Dieppe, Normandy. (Lent by Franklin Browne, Esq.)

348. Edward I Demanding the Oath of Allegiance to the First Prince of Wales.

**Moscheles, Felix, London.**

349. Reciter in a Arab Café, Cairo.

**Mottram, C. S., London.**

350. A Winter Sea on the Yorkshire Coast, Morning. (Water color.)

**Moynau, R. T., R. H. A., Dublin.**

351. Military Manœuvres.

**Murray, David, A. R. A., London.**

352. The River Road. } Lent by George

353. A Mangold Field. } McCulloch, Esq.

354. Season of Mists and Mellow Fruitfulness.

**Nicol, J. Watson, London.**

355. "The good old rule, the simple plan,  
That they should take who have  
the power,

And they should keep who can."

**Noble, Robert, Prestonkirk.**

356. September.

**Normand, Ernest, London.**

357. Death of Pharaoh's First Born.

**Norris, H. L., London.**

358. Twilight.

Exhibit  
No.

**North, J. W., A. R. A., R. W. S., Tamworth.**

359. "Seest how fresh my flowers bespread,  
In lily-white and crimson-red."—Spenser.  
(Lent by Col. North.)

**Olivier, Herbert, London.**

360. Portrait of the Venerable Archdeacon

Farrar. (Lent by Archdeacon Farrar)

**Orchardson, W. Q., R. A., London.**

361. A Portrait Group.

**Osborn, Miss E. M., London.**

362. Summer Shroud.

"When nature's dying face is veiled"

**Osborne, Walter, R. H. A., Dublin**

363. The Ferry.

**Oules, W. W., R. A., London.**

364. Portrait of T. S. Cooper, Esq., R. A.  
(Lent by T. S. Cooper, Esq.)

365. Portrait of Sir Donald Smith, K.C.M.G.  
(Lent by Sir Donald Smith.)

**Overend, W. H., London.**

366. "Victory!" The Prize Crew Taking Possession.

**Palin, W. M., Milford.**

367. Orphans.

**Parker, John, R. W. S., London.**

368. Cockle Gatherers.

**Parsons, Alfred, R. I., London.**

369. In a Cider Country.

370. The Flowers Appear on the Earth.

371. "The Voice of the Turtle is Heard in the Grove."

372. The Daylight Dies.

**Parton, Ernest, London.**

373. When Daylight Dies.

374. Misty Morn. (Lent by Arthur Parton, Esq.)

375. The Night Ferry.

**Pash, Miss Florence, London.**

376. Over the Way.

**Peppercorn, A. N., Leatherhead.**

377. The Cornfield.

378. A Surrey Village.

**Perugini, Mrs. Kate, London.**

379. Tomboy. (Lent by John Brickwood, Esq.)

380. Happy and Careless. (Lent by Mrs. Mackie.)

**Perugini, C. E., London.**

381. Crossing the Torrent.

382. A Summer Shower.

383. Clare.

**Pettie, John, R. A. (the late), London.**

386. Monmouth Pleading for His Life Before James II. (Lent by Messrs. The Agnew & Sons.)

**Phillips, Laurence B., R. P. E., London.**

388. A Mill in Kent.

**Pickering, J. L., London.**

389. An Autumn Gust.

## Paintings in Oil.

- World House.  
 A. (the late).  
 digal Son. (Lent by James  
 3.)  
 iles. (Lent by David Jardine,  
 R. A., London.  
 e Sea Wall. (Lent by W.  
 lter, Esq., M. P.)  
 rrace. (Lent by Max Waech-  
 ne.  
 oses.  
 ondon.  
 ., A. R. A., London.  
 en Idol.  
 R. I., Colchester.  
 Hill on the Thames.  
 rd, A. R. W. S., London.  
 Lent by H. R. H. the Duchess  
 s.  
 easant.  
 (Mrs. E. Normand), Lon-  
 .  
 wood, R. S. A., Glasgow.  
 ctobor on the Forth.  
 Eve, Kintyre. (Lent by R.  
 son, Esq.)  
 gilvie, R. S. A., Edinburgh.  
 ler's Tale.  
 ra M., London.  
 ent by A. W. Barradale, Esq.)  
 rket Place.  
 London.  
 e of the "Mermaid's Wed-  
 . (Lent by J. S. Forbes, Esq.)  
 ens. See 489.  
 R. A., London.  
 it.  
 Lent by Thomas H. Ismay,  
 ician's Doorway. (Lent by  
 Quilter, Esq., M. P.)  
 ry Robert, London.  
 oughman Homeward Plods  
 ay.  
 London.  
 b's Coveting. (Lent by Mer-  
 otes, Esq., F. R. & S.)  
 dventuring.  
 dy, London.  
 I Joan. (Lent by John Ashby,  
 Exhibit  
 No.  
 418. Lea Roachers. (Lent by H. L. Lefevre,  
 Esq.)  
 Sant, James, R. A., London.  
 419. Oliver Twist. "He Walks to London."  
 420. My Lady Dorothy.  
 Schloesser, Carl, London.  
 421. Moliere Reading to his Servant "La  
 Foret."  
 Schmalz, Herbert, London.  
 422. Christiane ad Leones.  
 423. Topsy.  
 Schmiechen, H., South Kensington.  
 424. Portrait of Mrs. Bloomfield Moore.  
 Shannon, J. J., South Kensington.  
 425. Portrait of Mrs. Hitchcock.  
 426. Portrait of G. Hitchcock, Esq. (Lent  
 by G. Hitchcock, Esq.)  
 427. Portrait of Mrs. Charlesworth.  
 Small, William, R. I., London.  
 428. Love Laughs at Rain.  
 429. Returning from Market, Connemara;  
 Rough on Biddy.  
 Smallfield, Frederick, R. W. S., London.  
 430. Colonel Newcome in Charterhouse;  
 Grace After Meat.  
 Smart, John, R. S. A., Edinburgh.  
 431. A Glen Without a Name, Ben Crua-  
 chan.  
 Smythe, Lionel P., London.  
 432. Boulogne Shrimpers. (Water color.)  
 433. Harvest of the Sea, Boulogne. (Nos.  
 432, 433 lent by the late Sir George Find-  
 lay.) (See also 682, 683.)  
 Solomon, Solomon J., London.  
 434. Orpheus.  
 Stacey, Walter S., London.  
 435. Rough Courting.  
 Starling, Albert, London.  
 436. Saved From the Sea. (Lent by Charles  
 Lucas, Esq.)  
 Steer, P. Wilson, London.  
 437. Bathers.  
 438. The Sofa.  
 Stephens, W. Reynolds, London.  
 439. Summer.  
 Stokes, Adrian, London.  
 440. The Setting Sun. (Lent by George  
 McCulloch, Esq.)  
 441. Through the Morning Mist.  
 442. Roman Campagna, Sunset.  
 443. Early Spring, Roman Campagna.  
 Stokes, Mrs. Adrian, London.  
 444. Hail, Mary.  
 445. "Go; Thou Must Play Alone, My Boy."  
 (Lent by Mrs. P. Hearst).  
 Stone, Marcus, R. A., London.  
 446. The Gambler's Wife. (Lent by George  
 McCulloch, Esq.)

## Paintings in Oil.

## Exhibit

- No.  
 447. The Passing Cloud. (Lent by Arthur Lucas, Esq.)  
 448. Two's Company, Three's None. (Lent by Messrs. Frost & Reed).  
 Storey, G. A., A. R. A., London.  
 449. The Padre, A Spanish Interior.  
 Stott, Edward, Amberley.  
 450. Peaceful Evening. (Lent by Andrew Muir, Esq.)  
 451. The Bathers. } Lent by John Mad-  
 452. The Horse Pond. } docks, Esq.  
 453. In an Orchard.  
 Stott, William, Oldham, London.  
 454. Kissing Ring.  
 Swan, John M., London.  
 455. The Fallen Monarch.  
 456. Maternity. (Lent by Hon. C. M. Lawrence).  
 Swan, Mrs., London.  
 457. The Chorister.  
 458. The Duet.  
 Swynerton, Mrs. Annie L., London.  
 459. Mater Triumphales.  
 460. Portrait of Miss Jane Atkinson.  
 Symonds, W. R., London.  
 461. Mignon.  
 Symonds, W. Christian, Mayfield.  
 462. The Figure Head of the Cupid.  
 463. Diana and Endymion. (Nos. 462, 463 lent by R. Le Brasseur, Esq.)  
 Taylor, A. Chevalier, London.  
 464. The Enclave. "Home, Sweet Home."  
 465. The Peckler.  
 Thomson, Leslie, London.  
 466. The Homeless Sea.  
 Thornley, Charles, East Moulsey.  
 467. Fishing Boat.  
 Townend, William Holt Yates, Balham.  
 468. The Methodist, St. Ives, Cornwall.  
 469. The Dogs.  
 470. Frank W. W., R. I., London.  
 471. The Wife of King, v. 1-2. (Lent by Robert Romer).  
 472. Henry S., Hanwell.  
 473. Soldiers Playing Cards.  
 Walker, J. Hanson, London.  
 474. A Portrait, "May."  
 475. Mrs. Frank Grimwood, of Manipur.  
 Walker, Francis S., R. H. A., London.  
 476. The Convent Garden. (Lent by the Corporation of Leeds).  
 Walker, Mrs. Mary L., London.  
 477. The Card Dealer. (Lent by W. B. Roadhead, Esq.)  
 Walker, S. E., London.  
 478. One-and-twenty. (Lent by George McCulloch, Esq.)  
 479. The Empty Saddle. (Lent by O. H. J. Lewis, Esq.)

## Exhibit

- No.  
 Walton, E. A., A. R. S. A., Glasgow.  
 478. Girl in Brown.  
 Walton, Frank, R. I., Dorking.  
 479. Wreck of Spanish Armada Ship  
 Ward, Mrs. E. M., London.  
 480. Mrs. Fry Visiting Newgate in 1818.  
 481. The Ugly Duckling.  
 Waterhouse, J. W., A. R. A., London.  
 482. Mariamne Leaving the Praetorium  
 (Lent by W. Cuthbert Quilter, Esq., M.I.)  
 Waterlow, Ernest A., A. R. A., London.  
 483. Over the Sandhills, Bristol Channel.  
 484. The Misty Moon, Isle of Arran.  
 485. The Night Before Shearing.  
 See also 707.  
 Watts, G. F., R. A., London.  
 486. Love and Life.  
 487. Love and Death.  
 488. Paolo and Francesca.  
 489. The Genius of Greek Poetry.  
 490. Portrait of Robert Browning.  
 491. Portrait of Walter Crane.  
 Weguelin, J. R., London.  
 492. The Maidens' Race. (Lent by the M. of Eldon).  
 Wehrschmidt, Daniel A., Bushey.  
 493. Finding the Head of Orpheus (Lucas).  
 Wetherbee, G., London.  
 494. Fishermen's wives. (Lent by J. Mitchell, Esq.)  
 495. Glad Spring.  
 White, John, Axminster.  
 496. Our Village. (Lent by John Ure, Esq.)  
 497. Beer Head, Devon. (Lent by J. Homan, Esq.)  
 Wilkinson, Hugh, Brockenhurst.  
 498. A Cloudy Morning.  
 Williams, Alexander, R. H. A., Dublin.  
 499. The Port of Dublin—Sunset. (Lent by color).  
 Wirtgman, T. Blake, London.  
 500. Portrait of Miss Appleby.  
 501. Portrait of Mrs. Wirtgman.  
 Wood, Miss E. Stewart, London.  
 502. Autumn.  
 Woods, Henry, R. A., Venice, Italy.  
 503. On Steps at Scuola, San Rocco. (Lent by Stephen G. Holland, Esq.)  
 Wortley, Archibald Stuart, London.  
 504. Mrs. H. Grenville Wells.  
 505. Miss Maud Waller.  
 506. Miss Clare Davis.  
 Wright, Miss E., London.  
 507. Pierrette Incroyable. (Pastel).  
 Wyllie, W. L., A. R. A., Rochester.  
 508. The German Emperor and Prince Wales inspecting the White Star Steam "Teutonic" at Southampton, August 4, 1914. (Lent by T. H. Ismay, Esq.)

## Paintings in Oil and Water Colors.

Liner "Ormuz" off the Eddye-  
ster color.) (Lent by Messrs.  
& Co.)  
of London. (Lent by the Fine  
Arts Society.)  
Jones' Locker.  
W., London.  
Limning River.  
Eighty Fallen. (Lent by S. N.  
P. R. A., London.  
of War. 1805.

## GROUP 141.

Paintings in Water Colors.

Rooms 16 and 18 and Alcove 89.

W., R. W. S., London.  
Maza, Arran.  
India.  
W., R. W. S., London.  
Duckling.  
L., R. A., London.  
The Worshipers.  
Miss Anna, London.  
Drawing Room, Townshend  
R. I., London.  
Charm, Sussex.  
P. R. B. A., London.  
of Westminster Abbey.  
Chester.  
er.  
ard F., R. W. S., London.  
and Evangelist.  
on's Cave.  
wald W., R. W. S., Lon-  
the Prince of Wales' R. V.  
ne," upon the Royal  
on at Cowes, August, 1886.  
he Prince of Wales, Com-  
Royal Yacht Squadron and  
ames Yacht Club, starting  
ht Race round the United  
Southend, June 14, 1897.  
lent by H. R. H., the  
es.  
Black Prince" (Lent by the  
H. the Duke of Edin-  
A. R. W. S., London.  
Oranges for the Packers,

## Exhibit

- No.  
Bulleid, G. Lawrence, A. R. W. S., Glas-  
tonbury.  
529. In Doubt.  
530. A Custodian.  
531. At The Temple Gate.  
Callow, William, R. W. S., F. R. G. S.  
Great Missenden.  
532. On the Lake of Como, Looking Toward  
Menaggio.  
Collier, Thomas, R. I. (the late).  
533. Two Green Roads. (Lent by James  
Orrock, Esq., R. I.)  
Coutts, H., Windermere.  
534. A Sheep Farm in the Duddon.  
Crane, Walter, London.  
535. Church of Rievaulx Abbey.  
536. Refectory, Rievaulx Abbey.  
Dadd, Frank, R. I., Blackheath.  
537. The Captain of the Troop.  
Dealy, Miss Jane M., R. I., Blackheath.  
538. A Fresh Breeze and Away.  
539. "One foot up and one foot down,  
That's the way to London town."  
Dillon, Frank, R. I., London.  
540. The Temple of Gertasse, Nubia.  
Dobson, W. C. T., R. A., R. W. S., Pet-  
worth.  
541. Ada with the Golden Hair. (Lent by  
W. Howard, Esq.)  
542. Summer Roses. (Lent by L. Blum-  
field, Esq.)  
Duffield, Mrs. William, R. I., London.  
543. Japanese Roses.  
Du Maurier, George, London.  
544. Time's Revenge.  
Earle, Charles, London.  
545. Evening in the Forum at Rome.  
546. Arance Dolce Amalfi.  
East, Alfred, R. I., London.  
547. Early Night.  
548. Northampton.  
Elgood, George S., R. I., Leicester.  
550. "Down where the Garden grows Gay  
as a Banner." (Lent by W. Baldwin, Esq.)  
551. Sunflowers. (Lent by E. C. A. Leigh,  
Esq.)  
Ellis, Tristram, London.  
552. The Acropolis, Athens, from the Hill  
of the Nymphs.  
Evershed, Arthur, A. R. P. E., London.  
553. The Quay, Bawdsey, Suffolk.  
554. An Essex Barn.  
Foster, Birket, R. W. S., Withey.  
555. Ben Nevis. (Lent by John H. Foster,  
Esq.)  
Fowler, Robert, R. I., Liverpool.  
556. The Tempest. (Lent by Joseph Duck-  
worth, Esq.)  
557. The Witch of Atlas.

## Paintings in Water Colors.

## Exhibit

No.

- Fripp, Charles E., A. R. W. S., London.**  
 558. Steps of Kurodani Temple on a Fête Day, Japan.  
 559. Afternoon in a Japanese Village.  
 560. Shrine at Seta, Japan, After Rain.  
**Fulleylove, John, R. I., London.**  
 561. Hampton Court Palace. (Lent by John Carbery Evans, Esq.)  
 562. Magdalen Tower and Bridge, Oxford. (Lent by Gaspard Farrer, Esq.)  
**Gilbert, Sir John, R. A., Blackheath.**  
 563. Richard II Resigning the Crown to Bolingbroke. (Lent by W. Y. Baker, Esq.)  
 564. Conspiracy. (Lent by Edward Priestman, Esq.)  
**Goodall, Edward A., R. W. S., London.**  
 565. Interior of the Mosque of Sultan Hassan, Cairo.  
 566. Bab Zo'aleh, one of the Gates of Cairo.  
**Gotch, T. C., London.**  
 567. A Letter from America.  
**Gow, Andrew C., R. A., London.**  
 568. Requisitionists. (Lent by W. Cuthbert, Quilter, Esq., M. P.)  
**Gow, Miss Mary L., London.**  
 569. The Story of the Willow Pattern.  
 570. Beggar My Neighbour. (Lent by Messrs. J. & W. Vokins.)  
**Grace, A. F., Steyning.**  
 571. Maytime on Downs; Isle of Wight, Portsmouth in Distance.  
 572. Old Farmhouse, Sussex.  
**Green, C., R. I., London.**  
 573. Nell and Her Grandfather.  
 574. The Pickwick Club. (Nos. 573, 574 lent by William Lockwood, Esq.)  
**Green, Towneley, R. I., London.**  
 575. A Way they Have in the Army.  
**Greenaway, Miss Kate, London.**  
 576. Title-page, "Marigold Gardens."  
 577. Little Phyllis, "Marigold Gardens."  
 578. My Little Girlie, "Marigold Gardens."  
 579. Mulberry Bush, "Children's Games."  
 580. Game Play, "Hyacinth's Language of Flowers."  
 581. Girl Drawing Chaise with Two Children.  
**Gregory, Chas., R. W. S., Ripley.**  
 582. Luther's Abstraction.  
 583. The Sorcerer.  
 584. In Winchester.  
**Haag, Carl, R. W. S., London.**  
 585. One of Our Ancestors.  
 586. A Dramatic Novice.  
 587. A Bridal Procession at Damascus.  
 588. The Schoene Brunnen at the Market Place of Nurnberg.

## Exhibit

No.

- Hague, Anderson, R. I., Llandudno, Wales.**  
 589. Winter. (Lent by Robert F. Riddick, Esq.)  
**Hall, Oliver, R. P. E., London.**  
 590. The Duddon Valley from Above Leathwaite.  
 591. A Windy Day.  
**Hargitt, Edward, R. I., Basingstoke.**  
 592. The Undercliff, Isle of Wight.  
 593. Eridge Park, Kent.  
**Hatherell, W., R. I., London.**  
 594. Quarter Deck of a P. & O. Steamer.  
 595. Monaco and Monte Carlo, from Roquebrune.  
**Hayes, Claude, Addlestone.**  
 596. Moonrise. (Oil painting.)  
**Hayes, Edwin, R. H. A., R. I., London.**  
 597. Fishing Smack Leaving Port.  
**Henshall, J. Henry, R. W. S., London.**  
 598. "Merry Goes the Time when the Heart Is Young." (Lent by John Carbery Evans, Esq.)  
 599. In Wonderland. (Lent by the Corporation of Birmingham).  
**Hine, Harry, St. Albans.**  
 600. Durham: The Castle, Town and Cathedral.  
 601. Lincoln.  
**Hine, Henry George, V. P., R. I., London.**  
 602. Durlstone Head, Dorsetshire. (Lent by Joseph King, Jr., Esq.)  
**Hodson, Samuel J., R. W. S., London.**  
 603. Piazza dei Signori, Verona.  
 604. Corner of the Ducal, Venice.  
 605. Cordo, Verona.  
**Holiday, Henry, London.**  
 606. Sunset and Moonlight on the Atlantic.  
**Holloway, C. E., See 226.**  
**Hopkins, Arthur, A. R. W. S., London.**  
 607. Outward Bound.  
 608. Saturday Evening on the Quay.  
**Hunt, Alfred W., R. W. S., London.**  
 609. Summer Sunshine, Capel Curig.  
 610. A November Rainbow.  
 611. Robin Hood's Bay, North Yorkshire Coast.  
 612. Twixt Sea and Land, North Wales. Nos. 609-612 lent by W. S. Caine, Esq., M. P.  
**Johnson, Cyrus, R. I., London.**  
 613. The Sun Inn, Dedham.  
**Kilbourne G. Goodwin, London.**  
 614. Good Accommodation for Man and Beast.  
 615. A Difficulty.  
**Knight, Joseph, R. I., Llandudno, Wales.**  
 616. Twilight. (Lent by Col. W. W. Mason).

## Paintings in Water Colors.

R., R. I., London.  
End of the Prologue.  
Valter, R. I., Penzance.  
ster. (Lent by J. C. Holder, Esq.)  
rture of the Fleet. (Lent by  
edges, Esq.)  
James D., P. R. I., London.  
doned. (Lent by J. T. Wigzell,

1, R. W. S., London.  
Boat, Ahoy. (Lent by F. H.  
e, Esq.)  
Last Load. (Lent by Charles  
(.)

Hamilton, R. I., London.  
pri Boy. (Lent by E. Ho-  
t by the Tide. } man, Esq.)  
Percy, R. I., London.  
amunicated.

Thomas R., R. I., London.  
mpen, Holland.  
Carriers, Spain.  
rcia, Spain.

rs., London.  
dar Trees, Boyle Farm, Thames  
rrey.  
Fex, Engadine, Switzerland.  
Communale Nebbiolo, Lago di

Miss Edith, A. R. W. S., Lon-

et Music.  
vorite Doll.  
g Peas.

Bingham, R. H. A., Dublin.  
n Castle, Loch Awe.  
an's Bridge, Nuremberg,  
r, R. A., London.  
Morning After a Breeze.  
ingen; Waiting for the Shrimp

Miss Clara, R. W. S., Venice.  
k's, Venice.  
ian Ferry.  
Storm, Venice.  
3. See 350.  
id, A. R. A., A. R. W. S.,

. (Lent by Col W. W. Pilk-

R. I., Chiswick.  
r Morning.  
r Sunset, Ben Nevis.  
nted Chamber.  
Gale.  
, R. I., A. R. S. A., Edin-  
land, Sunset.

Exhibit  
No.

- Norman, Philip, London.  
648. Courtyard of The White Hart Inn  
(now destroyed).  
649. Interior of Barnard's Inn, Holborn  
(now dismantled).  
650. The Courtyard of the George Inn,  
Southwark.  
Orrock, James, R. I., London.  
651. Cardross Moss, Perthshire. (Lent by  
Alderman Boothroyd.)  
652. Rough Sea off the Isle of Arran. (Lent  
by John Crossfield, Esq.)  
Parker, John, R. W. S., London.  
653. The Village Rendezvous.  
Parsons, Alfred, R. I., London.  
654. Bodenham Church.  
655. Somersetshire Hills.  
Phillip, Colin B., A. R. W. S., London.  
656. Evening in the Glen.  
657. A Summer Day, Loch Etive, Argyll-  
shire, N. B.  
Pilleau, H., R. I., London.  
658. Amalfi, South Italy.  
659. Entrance to The Ducal Palace, Venice.  
Pilsbury, Wilmot, Taunton.  
660. An Old Village Cross.  
661. A Duckpool.  
662. A Farmstead.  
Poynter, E. J., R. A., R. W. S., London.  
663. In a Garden.  
Radford, Edward, A. R. W. S., London.  
664. Nausicaa. (Lent by S. K. Muspratt,  
Esq.)  
665. Eros. } Lent by William Croxford,  
666. Hero. } Esq.  
Rainey, W., Chichester.  
667. The Old Vrouw.  
668. The City Wall.  
Rigby, Cuthbert, A. R. W. S., Kendal.  
669. An October Flood. (Lent by Theo: R.  
Fothergill, Esq.)  
670. Summer Days.  
671. The Falls Above Coniston. (Lent by  
C. T. Arnold, Esq.)  
Richardson, John I., R. I., London.  
672. Snowstorm in Glencoe. (Lent by J.  
Carbery Evans, Esq.)  
673. Carting Faggots, Sussex.  
Rivers, Leopold, London.  
674. Harvest Home.  
Robertson, Arthur, London.  
675. Minerva.  
Rooke, T. M., London.  
676. North Transept, Troyes Cathedral.  
Severn, Arthur, R. I., Herne Hill.  
677. Florence, from San Minimo.  
678. Waves Breaking, near Kilkee, Wex  
Coast of Ireland.

## Paintings in Water Colors, Engravings and Etchings.

Exhibit  
No.

- Smallfield, Frederick, R. W. S., London.  
 679. The Velvet Hat.  
 680. Prato, Tuscany, The Ringhiera of Donatello Outside the Duomo.  
 Smith, Carlton A., R. I., London.  
 681. A Corner of the Studio.  
 "Oh! woman in our hours of ease,  
 Uncertain, coy and hard to please."  
 Smythe, Lionel P., London.  
 682. The Field of the Cloth of Gold. (Lent by the late Sir George Findlay.)  
 683. Summer Holidays. (Oil painting.)  
 (Lent by W. L. Wyllie, Esq., A. R. A.)  
 See also 432.  
 Squire, Miss Alice, R. I., London.  
 684. Springtime.  
 685. An Autumn Afternoon.  
 686. A Quiet Stream.  
 Steer, H. R., R. I., Hinckley.  
 687. Oliver Goldsmith's Social Gatherings, Green Arbour Court, 1759. (Lent by F. Newcombe, Esq.)  
 688. "Long was the Good Man's Sermon." (Lent by Mrs. Crompton.)  
 Stevens, A., Chiswick.  
 689. Durham.  
 Stillman, Mrs., Rome.  
 690. Fra Currado d' Offidi.  
 Stock, Henry J., R. I., London.  
 691. Immortality's Sunrise. (Lent by D. Dyce Brown, Esq., M. D.)  
 692. A Youth in the Flames of First Love! (Lent by D. Dyce Brown, Esq., M. D.)  
 Thomas, William L., London.  
 693. Once Upon a Time.  
 694. Frame of Drawings of Highland Scenery.  
 Thornycroft, Miss Helen, London.  
 695. Orchids.  
 696. Shirley Poppies.  
 697. Azalea, with Bronze Figure of "The Mower."  
 698. Orchids.  
 Topham, Frank W. W., London.  
 699. Recruiting for Savonarola; "Ye Can not Serve God and Mammon."  
 Waite, R. Thorne, R. W. S., London.  
 700. The Blue Wagon. (Lent by James Orrock, Esq., R. I.)  
 701. Between the Showers.  
 Walker, W. Eyre, A. R. W. S., London.  
 702. "The Brief Silence of an Hour Reigns o'er the Fields."  
 703. Moonrise on the Lowther.  
 Walton, E. A., A. R. S. A., Glasgow.  
 704. Phyllis.  
 Walton, Frank, R. I., Dorking.  
 705. Focisdale, Kintyre.  
 706. Arran, From Carradale.

Exhibit  
No.

- Waterlow, Ernest A., A. R. A., A. R. W. S., London.  
 707. The Evening Hour. (Oil painting.)  
 Weatherhead, William, H. R. I., London.  
 708. Chelsea Pensioners. (Lent by J. C. bery Evans, Esq.)  
 Weedon, A. W., R. I., London.  
 709. Near Sandwich, Kent.  
 710. Evening Shadows, Richborough, Kent.  
 Wetherbee, G., London.  
 711. A Fisher Maiden. (Lent by H. W. Hill, Esq.)  
 Whaite, H. Clarence, R. W. S., London.  
 712. Legendary Castle of Arran.  
 Whitley, Miss Kate Mary, R. I., Leicester.  
 713. Ammonite and Minerals.  
 Williams, Alexander. See 499.  
 Wollen, W. B., London.  
 714. "It May be for Years, It May be Forever."  
 715. Capture of French Guns by the Union Brigade, at Waterloo.  
 Wyllie, W. L. See 509.  
 Yeames, William, F. R. A., London.  
 716. The Law's Delay, Barnard Court.  
 Youngman, Miss A. M., R. I., Greenwich.  
 717. Pelargoniums.  
 718. Rhododendrons.

## GROUP 143.

## ENGRAVINGS AND ETCHINGS.

In Upper Gallery Alcoves 120, 121, 122

- Allbon, Charles F., London.  
 719. On the Sands, Schevevingen.  
 720. Antwerp.  
 721. Lago Di Como.  
 722. Venice.  
 Appleton, T. G., Shalford.  
 723. Rembrandt, en officer.  
 724. The Beautiful Catherine Clements.  
 725. The Sisters.  
 Ball, Wilfrid, London.  
 727. Venice.  
 728. Evening Light.  
 Baskett, Charles E., Colchester.  
 729. A Mend by the Way.  
 730. An Old Stackyard, Winter.  
 731. Stratford, St. Mary Bridge.  
 732. Donyland Wood, Winter.  
 Bigland, Percy, London.  
 733. The Rt. Hon. W. E. Gladstone. (Monotint.)  
 Burgess, Walter W., London.  
 734. Bits of Old Chelsea.  
 735. Bits of Old Chelsea.  
 736. Bits of Old Chelsea.  
 737. From Waterloo Bridge.

## Engravings and Etchings.

terbury Cathedral.  
wich.

, D. Y., Glasgow.  
me of Etchings.  
me of Etchings.

Edward W., A. R. P. E., Ring-

uning the Pichard Boats, Cornwall.  
sters in Harbor.

mps.

hampton.

airing the Coast Road.

Old Harbor.

R. S., F. R. P. E., Birmingham.  
Holt.

lars.

Moorhen.

ampstead Heath.

t Furnaces.

Robert S., Watford.

Jew Merchant. (After Rembrandt.)

Viscountess Crosbie. (After Sir  
eynolds.)

G., London.

t Violets. (After F. Dicksee.)

T. Irving, London.

Eastern Procession, Northern

Mayor, Fuentenabia.

l.

et.  
erbert, London.

ories.

gress.

lajesty.

underer.

ram, A. R. P. E., London.

Golden Horn. (Artist's proof.)

Midnight Sun, North Cape. (Ar-  
s proof.)

chael's Mount, Cornwall. (Artist's  
of.)

rnier of the Parthenon, Athens.  
ist's proof.)

ein Djami, Constantinople. (Ar-  
s proof.)

"Victory," Portsmouth. (Artist's

Arthur, A. R. P. E., London.

subjects, drawn directly on cop-  
nature.

Outdoor Etchings, drawn directly  
from nature.

ower of London.

, Liverpool.

of Rydal.

tures Green and Quiet Waters.

Biscombe, Haslemere.

engravings (artist's proofs).

Exhibit  
No.

Gascoyne, George, London.

774. Ploughing.

775. A Wayfarer.

Haden, Francis Seymour, P. R. P. E.,  
Alresford.

776. Morning, near Swanage, Dorset.

777. Evening, near Swanage, Dorset.

778. Durlleston Head, Dorset Coast.

779. Undercliff, Dorset Coast.

780. Corfe Common, Dorset.

781. A Village Street in Corfe, Dorset.

782. An Inn Kitchen in Corfe, Dorset.

783. Study of Oaks, Chesterfield, Derby-  
shire.

Haig, Axel H., Haslemere.

785. The Portals of Reims.

786. The Aisles of Chartres.

Hall, Oliver, R. P. E., London.

788. A Study of Trees.

789. A Windy Day on Angerton Moss.

790. A Windy Day.

Heseltine, J. P., London.

791. Six Etchings from Nature.

Hole, William, R. S. A., Edinburgh.

792. The Wood Sawyers.

793. The Jumping Horse. (After John Con-  
stable.)

794. He is Coming. (After Matthew Mario.)

795. Don Gaspar de Gusman, Count of  
Oliveze. (After Velasquez.)

796. Mill on the Yare. (After J. Crome.)

Huson, Thomas, R. I., R. P. E., Liver-  
pool.

797. Heralds of a Storm.

Law, David, London.

798. Water Meadows. } Lent by the Fine  
799. Silver Birches. } Art Society.

800. Arundel Castle. (Lent by Messrs.  
Dowdeswell.)

801. Birthplace of Burns. (Lent by Robert  
Dunthorne, Esq.)

Lewis, C. W. Mansel, Llanelly.

802. Counting the Flock,

803. A Welsh Hat.

804. A Vagrant.

Lowenstam, Leopold, London.

805. In a Rose Garden.

806. A Favorite Author.

807. Harvest Festival.

Macbeth-Rachurn, H., London.

808. Portrait. (After Vandyske.)

809. The Cello Player. (After H. M. S. S.)

810. Wind on the Wold. (After Mason.)

Macbeth, Robert W., A. R. A., London.

811. The Garden of Love. (After Titian.)

812. The Spinners. (After Velasquez.)

813. Alozo Cano. (After Velasquez.)

814. Bacchus and Ariadne. (After Titi

## Engravings and Etchings.

## Exhibit

No.

815. The Cast Shoe, Lynn Ferry. (Original etching.)  
 816. Harbour of Refuge. (After Fred Walker.)  
 817. Plough. (After Fred Walker.)  
 818. Spring. (After Fred Walker.)  
 819. Autumn. (After Fred Walker.)  
 820. Fen Farm. (Original etching.)  
 Nos. 817-820 lent by Messrs. Thomas Agnew & Sons.  
**Martyn, Miss Ethel King, London.**  
 821. Illustrations to Milton's "Lycidas."  
**May, W. Holmes, London.**  
 822. The Garden Front, Haddon Hall  
 823. Sunrise on the Welsh Coast.  
**Menpes, Mortimer, R. P. E., London.**  
 824. Banquet of the Officers of the Archers of St. Adrian. (After F. Hals.)  
 825. A Captive Persian. (Original dry point.)  
 826. Dorothy. (Original dry point.)  
 827. Dry Point.  
**Murray, Charles O., London.**  
 828. Haymakers.  
 829. The Patriarch.  
 830. The Great Frost of 1891, on the Thames.  
 831. The Virgin Porch, Oxford.  
**Paton, Hugh, Manchester.**  
 832. A Reef in the Foresail.  
 833. A Cheshire Lane.  
 834. Highland Pasturage.  
**Phillips, Laurence B., R. P. E., London.**  
 835. A Brittany Castle.  
 836. The Piazzetta, Venice (After Rain).  
**Piper, Miss Elizabeth, London.**  
 837. The Chelsea Homes of Carlyle, Rossetti, Turner and George Eliot.  
 838. Le Musee De Cluny, Paris.  
 839. Old Chelsea Church.  
 840. The Spinning Wheel.  
 841. The Cloisters, Bristol Cathedral.  
**Pratt, Joseph B., London.**  
 842. Daniel's Answer to the King. (After Briton Riviere, R. A.)  
 843. Trim. (After Sir E. Landseer.)  
 844. Stolen Kisses. (After Briton Riviere, R. A.)  
 845. After a Storm in the Highlands. (After Rosa Bonheur.)  
**Robertson, Arthur, London.**  
 846. "I Won't Sit." (After J. G. Cotman.)  
 847. The Villa d'Este, Tivoli.  
**Robertson, Henry Robert, London.**  
 848. Ulysses Deriding Polyphemus.  
 849. An Upland Farm.  
 850. "The Ploughman Homeward Plods his Weary Way."  
**Robertson, Percy, Godalming.**  
 851. Winchester.

## Exhibit

No.

852. A Wet Day, Witley.  
 853. But One.  
**Robinson, Gerald, Leatherhead.**  
 854. Queen Henrietta Maria.  
 855. The Burgomaster.  
 856. Earl Spencer, K. G.  
 857. The Parson's Daughter.  
**Sherborn, Charles Wm., London.**  
 858. Seymour, Haden, Esq.  
 859. Oliver Cromwell.  
 860. Shakespeare.  
 861. Archbishop of Canterbury.  
 862. Frame of Book Plates.  
 863. Frame of Book Plates.  
**Short, Frank, London.**  
 864. Diana and Endymion. (After G. F. Watts, R. A.)  
 865. Per Horse Power Per Hour. (Original mezzotint.)  
 866. Swiss Pass. (After J. M. W. Turner, R. A.)  
 867. A Sussex Down. (After John Constable, R. A.)  
 868. Low Tide and the Evening Star. (Original etching.)  
 869. Rye Pier. (Original aquatint.)  
**Slocombe, Fred., London.**  
 870. A Yorkshire Lane.  
 871. Going Home.  
 872. A Hunting Morn.  
 873. Wharfedale.  
 874. The Avon at Salisbury.  
**Slocombe, Edward, Watford.**  
 875. The Matterhorn.  
 876. The Grand Place, Antwerp.  
**Spread, William, R. P. E., London.**  
 877. A Street in Bruges.  
 878. En Normandie.  
 879. An Old Shop, Vitre, France.  
 880. Faubert's Place, Regent Street, London.  
**Stacpoole, F., London.**  
 881. "They say the lion and the lioness keep the Courts where Jamshyd glorieth and drank deep." (After Briton Riviere, R. A.)  
 882. The Night Watch. (After Briton Riviere, R. A.)  
**Sternberg, Frank, Bushey.**  
 883. A Bacchante. (After G. F. Watts, R. A.)  
 884. Dr. Butler. (After Professor Heilmann, R. A.)  
 885. Canon Ellison. (After Professor Heilmann, R. A.)  
 886. Pauline. (After G. P. Jacob-Henry.)  
 887. Napoleon. (After Greuze.)  
 888. In Fairyland. (After C. E. Hall.)  
**Thomas, Percy, London.**  
 894. The Old Tabard Inn, Southwark.

gs in Water Colours, Chalks, Charcoal, Pastel and Other Drawings.

ite Hart Inn, Southwark.  
l., R. P. E., London.  
on-Thames.  
ods in Winter.  
Field.  
e Cottages.

les J., London.  
Walk, Chelsea, 1889.  
1, Gloucestershire.  
es, Lisieux.  
ne du Mont, Paris.  
noiesse, Paris.  
Martin, Bayeux.  
Daniel A., Bushey.  
e Letter. (After Luke Fildes).

of Dufferin and Ava. (After  
R. A.)  
Sir Herbert Stewart. (After  
R. A.)  
Yarborough. (After Frank

(After P. H. Calderon, R.

nd Watkin, M. P. (After H.  
A.)

#### GROUP 144.

coal, Pastel and Other  
Drawings.

t Gallery Aloove 123.  
London.  
ing Catastrophe.  
e Accident.  
rge of Lancers at Military

el!  
ill: A Slippery Pavement.  
ry Examination.  
Devil and the Deep Sea."  
Ride of the Seventeenth.

ow; Fearless Horses Trot-  
is at a Meet of the Coaching  
rk.  
r the Queen, Rotten Row.  
ing.  
e Devon and Somerset Stag-

Christmas Number (Sledg-  
by the proprietors of the  
London.  
nptin. of Labdr. (Artist's  
leut.)

#### Exhibit No.

928. The Legend of the Goose and Golden  
Eggs. (Lent by W. Prettyman, Edge-  
water, Ill.)

929. 1. Fortune.

929a. 2. Misfortune.

Du Maniez, George, London.

930. Six Pen and Ink Sketches—Originals  
of Cuts in "Punch."

Gardner, W. Biscombe, Haslemere.

931. Palace of Fontainebleau.

Granby, The Marchioness of, London.

932. The Lady Susan Keppel.

933. The Speaker of the House of Com-  
mons.

Hare, St. George, London.

934. Captives.

Keene, Charles (the late).

935. Polo for the People.

936. Round the Studios.

937. Impracticable.

938. The Haunted Room.

939. Wages.

940. A Hungry Claimant.

941. The Pictures.

942. Reprisals.

943. Overpressure.

944. The Last Resource.

945. Little Wife.

946. Art.

947. Directions.

948. Bon Chienie.

949. Irresistible.

950. Oppression.

951. Railway Risks.

952. Our Village Industrial Competition.

953. Deceivers Ever.

954. Extremes Meet. (Lent by Harry  
Keene, Esq.)

Linton, Sir James D., P. R. I., London.

955. Twelve Illustrations to Shakespeare's  
"Henry VIII." (Lent by Messrs. Cassell  
& Co.)

Overend, W. H., London.

956. Sir Richard Greville in the "Revenge."

"Sink me the ship, Master Gunner,

Sink her, split her in twain,

Let us now fall into the hands of God,  
Not into the hands of Spain."

Five Illustrations to "In a Conning  
Tower."

957. The Shannon Disabled Returning  
Home.

958. Shell Bursting in "Majestic's" Battery.

959. The Midshipman Watching the Tor-  
pedo.

960. The Wounded Captain in the Conning  
Tower.

961. The "Majestic" Ramming the Ene-  
Ship.

## Paintings in Water Colors, Architecture.

Exhibit  
No.

- Stacey, Walter S., London.  
 962. In Greek Waters. (Lent by Messrs. Blackie & Son.)  
 963. Drawings for the "Strand Magazine." (Lent by Geo. Newnes, Esq., M. P.)  
 Stott, William, of Oldham, London.  
 964. Portrait of a Child.  
 965. The Eiger.  
 966. The Jungfrau.  
 Swan, John M., London.  
 967. Tigress Drinking.  
 968. Puma (female).  
 969. Lioness Walking.  
 970. Indian Leopards.  
 971. Polar Bear.  
 972. Lioness Walking.  
 Tenniel, John, London.  
 973. A Waiting Game.  
 974. The Queen of the May.  
 975. Innings Closed.  
 976. When Greek Meets Greek.  
 977. The Political "Johnny Gilpin"—The Start.  
 978. The Political "Johnny Gilpin"—The Finish.  
 979. "William the Wheelman."  
 980. "Will They Work."  
 981. Back.  
 982. The White Elephant.  
 Weguelin, J. R., London.  
 983. Illustrations to Anacreon.  
 984. Illustrations to Catullus.  
 Nos. 983, 984 lent by Messrs. Laurence & Bullen.  
 Wright, Miss E. (See 509.)

## FROM VARIOUS GROUPS.

## Architecture.

In Upper Gallery Alcoves 123 and 124.

- Adams, Maurice B., F. R. I. E. A., London,  
 Glen Ridge, New Jersey, U. S. A.  
 986. Bungalow, Nine-Mile Ride, Berks,  
 England.  
 987. Mausoleum, near Sydney, Australia, in  
 Memory of the Hon. John Fraser.  
 Atchison, Prof. George, A. R. A., London.  
 988. Royal Exchange Assurance, 29 Pall  
 Mall, S. W.  
 989. The Arab Hall. (Lent by Sir F.  
 Leighton, Bart., P. R. A.)  
 990. Drawing Room. (Lent by Sir Wilfrid  
 Lawson, Bart., M. P.)  
 991. Small Drawing Room. (Lent by Sir  
 Wilfrid Lawson, Bart., M. P.)  
 992. Ceiling. (Lent by Sir Sydney Water-  
 low, Bart., M. P.)

Exhibit  
No.

993. Drawing Room. (Lent by Eustace  
 Smith, Esq., M. P.)  
 994. The Hall. (Lent by the Right Hon.  
 Lord Leconfield.)  
 995. New Drawing Room, London.  
 Anderson, R. Rowand, LL. D., Edinburgh.  
 996. New Medical School, Edinburgh  
 University.  
 997. Catholic Apostolic Church, Ed-  
 burgh.  
 998. Dumblane Cathedral.  
 999. Govan Parish Church.  
 1000. Central Station Hotel, Glasgow.  
 1001. Scottish National Portrait Gall-  
 ery, Edinburgh.  
 1002. St. Paul's Church, Greenock.  
 Ashlin, George C., R. H. A., Dublin.  
 1003. Exterior View of St. Colman's Cat-  
 hedral, Queenstown.  
 1004. Interior View of St. Colman's Cat-  
 hedral.  
 1005. Exterior View of the O'Connell Me-  
 morial Church, Caherciveen, County Ket.  
 1006. Interior View of the O'Connell Me-  
 morial Church.  
 Aston-Webb and E. Ingress Bell, Lon-  
 don.  
 1007. Victoria Courts, Birmingham.  
 1008. Metropolitan Life Assurance  
 Society's Offices.  
 1009. Completion of South Kensington  
 Museum.  
 1010. Peverey, Shropshire.  
 Belcher, John, London.  
 1011. Design for South Kensington  
 Museum, Exterior View.  
 1012. Design for South Kensington  
 Museum, Interior View.  
 Binyon, Brightwen, Ipswich.  
 1013. Sunderland Town Hall, View of  
 Exterior.  
 Blomfield, Reginald, M. A., London.  
 1014. Drawing of 20 James Street, S. W.  
 1015. House and Grounds at Brockenhurst,  
 Hants.  
 1016. Proposed English Church at Broom-  
 field, Essex.  
 Brooks, James, V. P. R. I. B. A., London.  
 1017. Interior Looking East, Liverpool  
 Cathedral.  
 1018. West Exterior View, Liverpool  
 Cathedral.  
 1019. Southeast Exterior View, St. Mary's,  
 Woolwich.  
 1020. Extension Northeast view, St. Mary's,  
 Hornsey.  
 1021. Southwest View, Holy Innocent's,  
 Hammersmith.  
 1022. Mansions, Runda Bord, Cape Town.  
 Campbell, Douglas and Morrison, Glasgow.  
 1023. Carnegie Free Library, Ayr, Scotland.

Architecture.

**J. D., London.**  
John the Evangelist, Stanstead.  
Interior.

Sepulchre's, Holborn, Design for  
elphi Bank New Buildings, Castle  
Liverpool.  
sign for Bronze Doors.

**rs, Basil, London.**  
rrow School  
nshfield College, Oxford.  
oxley," Holmbury, near Dorking.

Mary Star-of-the-Sea Church,  
.

**Chatfield, & Son, London.**  
v Buildings on the Duke of West-  
estate, South Audley, London.  
ck of New Buildings on the Duke  
minster's Estate, Nos. 285 to 297  
treet, London.

New Bishopsgate Girls' School  
el, recently built in Spital Square,  
ate Street.

**omas W., F. R. I. B. A., London.**  
pture Gallery, Avery Hill,  
ard Room, Avery Hill.  
aissance Gallery, Avery Hill.  
are Gallery, Avery Hill.  
ving Room, Avery Hill.  
case, Avery Hill.

ish Bath Room Avery Hill.  
untry House, W.  
rridor.

rd and Billiard Room.

**Thomas N. & Son, Dublin.**  
ation of Design for the Imperial

**F. S. A., F. R. I. B. A., London.**  
itutional Club, Northumberland

Constitutional Club, Piccadilly.  
lescent Home and Hospital.

**ge, & Peto, London.**  
gham Gardens Houses, S. W.  
Hill, Ramsgate.

keley Square, Interior.  
ke on Thames, Interior of Hall.  
ke on Thames, Exterior of Hall.

**hur R. G., London.**

atthew's Church, Blackburn,

atthew's Church, Blackburn,

ul's Church, Oswaldtwistle,

uke's Church, Winnington,

Exhibit

No.

1058. St. Luke's Church, Winnington,  
Cheshire.

**Goddard, Paget, & Goddard, Leicester.**

1059. An Architect's Home.

1060. Houses, Regent Street, Leicester.

**Gribble, Herbert A., A. R. I. B. A.**

1061. Interior of the Oratory Church,  
Brompton.

1062. Altar of St. Philip Neri, the Oratory,  
Brompton.

**Honeyman, John, & Keppie, Glasgow.**

1064. Premiated Design for Glasgow Art  
Galleries, Perspective View.

1065. Design for Glasgow Art Galleries,  
Part of Elevation to Large Scale.

**Horsley, Gerald C., London.**

1066. Design for a Country Museum and  
Institute.

1067. A Small Country House.

1068. New Organ, Bottesford.

**Jackson, Thomas G., A. R. A., London.**

1069. New Front of Brasenose College, in  
the High Street of Oxford.

1070. New Campanile for the Cathedral of  
Zara, in Dalmatia.

1071. New Tower and Spire for St. John's  
Church, Wimbledon.

1072. The New Examination Schools and  
Buildings for Non-Collegiate Students in  
the High Street of Oxford.

1073. Decorated Case of a Grand Piano-  
forte.

**Leiper, William, F. R. I. B. A., A. R. S. A.,  
Glasgow.**

1074. A Scotch Mansion.

**Neale, James, F. S. A., F. R. I. B.  
A., London.**

1075. Reredos and Altar, St. Peter's Church,  
Bushey Heath.

1076. Frogna! Gardens, Hampstead.

1077. St. Alban's Abbey, Herts.

1078. New Residences, Tunbridge Wells,  
Kent.

**Nevill, Ralph, F. S. A., London.**

1079. Snowdenham, Surrey. Two views.

1080. Snowdenham, Surrey, Interior of  
Hall and Stairs.

1081. Lodge and Cottages, Warley.

1082. Cottage Block.

1083. House in Dartmoor.

**Pearson, John L., R. A., London.**

1084. View of the Cathedral of Truro, When  
Completed—from the Southwest.

1085. The North Transept of Westminster,  
as Now Restored.

**Robson, E. R., F. S. A., London.**

1086. Cross Erected in Memory of the La-  
John Wichcord.

## Architecture.

Exhibit  
No.

1087. Exterior of the People's Palace at the East End of London.  
 1088. Interior of the Library and Reading Room of the People's Palace.  
 1089. Interior of the Queen's Hall of the People's Palace.  
 1090. Clock Tower at the People's Palace.  
 1091. View of the Royal Institute of Painters in Water Colors, Piccadilly, London.  
 Scott, J. Oldrid, F. S. A., F. R. I. B. A., London.  
 1092. Design for the New Town Hall at Hamburg by the late Sir G. G. Scott and Mr. J. Oldrid Scott.  
 1093. Design for the New Town Hall at Manchester.  
 1094. Lahore Cathedral.  
 1095. Tower and Spire, Stoke Newington.  
 1096. Glasgow University, Central Tower.  
 1097. Falkland Island Cathedral.  
 1098. Sunningdale Parish Church.  
 1099. St. Paul's, Manchester.  
 1100. Organ, Halifax Parish Church.  
 Simpson, Fred. M., London.  
 1101. Staircase.  
 Spiers, R. Phene, London.  
 1102. No. 7 Chelsea Embankment.  
 1103. Mansion at Impney, in Worcester Built in association with E. Tronquois, of Paris.  
 Stevenson, John J., London.  
 1104. Kensington Court.  
 1105. St. Leonard's Church, Perth.  
 1106. Kenhill, Norfolk.  
 Stokes, Leonard, London.  
 1107. Corpus Christi Priory Church, Manchester, Exterior.  
 1108. Corpus Christi Priory Church, Manchester, Interior.

Exhibit  
No.

1109. New Church, Fellingstone.  
 1110. Broxwood Court, Hereford.  
 1111. St. Clare's Church, Liverpool Street, Arthur E., London.  
 1112. Frame of Designs.  
 Street, G. E., R. A. (deceased).  
 1113. Kingstone Church, Dorset.  
 1114. Northwest Porch, Bristol Cathedral.  
 1115. North Aisle, Bristol Cathedral.  
 Tree, Philip Henry, F. R. I. B. A., Leonard's-On-Sea.  
 1116. Church Schools and Parsonage.  
 1117. Estate Cottages at Lunsford, Near St. Leonard's-on-Sea.  
 1118. Highland Mansions—Entrance, Front.  
 1119. Highland Mansions—The Garden, Front.  
 1120. House and Offices at Battle, Sussex.  
 1121. Proposed New Workhouse, Hastings.  
 1122. New Wesleyan Church, St. Leonard's Waterhouse, Alfred, R. A., London.  
 1123. Natural History Museum, South Kensington.  
 1124. National Liberal Club, Thames Embankment.  
 Watson, T. L., F. R. I. B. A., Glasgow.  
 1125. Offices of the Glasgow Evening Citizen Newspaper.  
 1126. Royal Clyde Yacht Club, Hunter's Quay.  
 1127. Design for Glasgow Municipal Buildings.  
 Webb, George W., Reading.  
 1128. The "Roebuck" Hotel on the Thames, Maple-Durham.  
 1129. Memorial Fountain, Reading.  
 Young, William, London.  
 1130. Gosford House, N. B.

# HOLLAND.

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Royal Commissioner of Fine Arts,

H. W. MESDAG,

The Hague, Holland

---

Acting Royal Commissioner of Fine Arts,

HUBERT VOS,

816 Pullman Building.

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General Manager of the Holland Art Exhibit.

A. PREYER,

17 East Forty-third Street.

For information may be obtained regarding exhibits that are for sale  
Office at the entrance to the Holland Section, West Court.

# HOLLAND.

## Paintings in Oil.

### GROUP 140.

#### Paintings in Oil.

West Court, Galleries 25-26-27; Alcoves 99-100-101.

Exhibit  
No.

**Abrahams, Miss A., The Hague.**

1. Still-life.
2. Flowers.

**Apol, Louis, The Hague.**

3. Autumn; Sunset.
4. Near the Water-mill.
5. Winter Morning.
6. Thaw, on the River Ysel.

**Artz, D. A. C., deceased 1890, The Hague.**

7. Girl Knitting
8. The Pet Lamb.
10. Idle Hours on the Dunes.
11. Girl Sleeping on the Dunes.

**Bakhuyzen, Miss G. J. van de Sande, The Hague.**

12. Plums.
13. Roses.

**Bakhuyzen, Julius J. van de Sande, The Hague.**

14. Summer Morning.
15. Driving the Cattle Homeward.
16. Sunset in Drenthe.

**Bastert, N., Amsterdam.**

17. The Fall on the River Vecht.
18. The Bridge at Nederhorst.
19. Little Breeze on the Vecht.
20. The White Sail.

**Berg, Joan, Paris.**

21. Spring.

**Bilders van Bosse, Mrs. M., The Hague.**

22. Littlewood Near Oosterbeek.

**Bisschop-Swift, Mrs. K., Scheveningen.**

23. Motherly Cares.

**Blommers, B. J., Scheveningen.**

24. At Breakfast.
25. Washing Day.
26. On the Beach.
27. Fishing for Shrimps at Scheveningen.

**Bock, Theophile de, The Hague.**

28. Rising Moon.
29. Beech Trees.
30. Summer Evening.

Exhibit  
No.

**Boks, E. J., Antwerp.**

31. Surprised.

**Bosboom, J. dec'd 1891, The Hague.**

32. Dutch Reformed Church, Haarlem.
33. Synagogue, Amsterdam.

**Breitner, G. H., Amsterdam.**

34. Dutch Artillery.
35. Dutch Cavalry.

**Calissendorf, A., Ryswyk.**

36. In the Alms House at Ryswyk.
37. Lawn-tennis.

**Cate, S. J. ten, Paris.**

38. Night Scene at Havre.
39. The Thames, Floodtide.
40. The Thames, Lowtide.

**Chattel, Fred J. du, The Hague.**

41. Dutch Landscape.
42. The Lake in the Wood.
43. On the River (Vecht).

**Chattel, Fred J. du, The Hague.**

44. A Bright Day.

**Dommershuizen, Chr., The Hague.**

45. The Maas near Rotterdam.

**Eerelman, O., The Hague.**

46. Horse Fair at Rotterdam.
47. Winter in Holland.

**Essen, Jan Van, Scherpenzeel.**

48. St. Bernard Dog.
49. Going Homeward.
50. A Dutch Farmhouse.

**Flier, H. F. vander, Baarn.**

51. Flock of Sheep; Afternoon.

**Frankfort, Ed., Amsterdam.**

52. Writing of Divorce.

**Gabrel, P. J. C., Scheveningen.**

53. Windmills at the Moerdyk (Holland).
54. The Harvest near Utrecht.

**55. A Corner in the Village, Veenendaal.**

56. A Windmill in the Lowlands.

**Haas, J. H. L. de, Brussels.**

57. Landscape with Cattle.
58. Donkeys on the Shore (Picardy).
59. Cows on the Dunes.

**60. Cows Resting.**

**61. Cows Resting.**

**Haaxman, P., The Hague.**

62. Summertime.
63. A Pleasant Correspondence.

## Paintings in Oil.

V., Rolde.  
est Time.

ck van Beest, J. E. van, The

ie Zuyder Zee.

erke, Voorburg.

Benevolent Society, "Dorcas."

"Regenten."

Knitting School.

Distillery.

ch Peasant.

s' Jacob, Mrs. A. van, The

n Papendrecht, J., Amsterdam.

ry Review at Utrecht.

, Miss A., Amsterdam.

Heath.

ef, The Hague.

in the World.

women at Zandvoort.

Home.

r Day on the Shore.

f a Fisherman.

W., Amsterdam.

Docks (Amsterdam).

t Amsterdam.

en, The Hague.

ie Window at Christmastide.

ohan M. ten, The Hague.

Zuyder Zee, Isle of Marken.

Out.

H., Amsterdam.

arden.

Greedy-Gut.

K., Amsterdam.

Amsterdam (Sunset)

dge at Amsterdam.

ower at Amsterdam.

Alkmaar.

ander, The Hague.

r Woman from Haarlem.

, Amsterdam.

Girl.

The Hague.

Mills.

the Hague and Delft.

t, Sun Effect

hells.

Rotterdam.

n, Voorburg.

: Willows.

Time.

Calf.

isture.

nd.

Exhibit  
No.

Martens, W. J., Berlin.

104. The original of "Love's Dream."

Martens, Willy, the Hague.

105. A Cozy Corner.

106. At the Well.

107. Housework.

Mauve, Anton (1888), Laren.

108. Woodcarts on the Heath.

109. Cows Going Home.

110. Pasture Near the Dunes.

111. Ploughing the Fields (Drenthe).

Melis, H. J., Clarlois, near Rotterdam.

112. Neighborhood of Rotterdam.

113. Washing Day.

Mesdag, H. W., The Hague.

114. At Anchor.

115. Morning on the Shore at Scheveningen.

116. Ready to Sail Out.

117. Summer Morning at Scheveningen.

118. In Danger.

Mesdag van Houten, Mrs. S., The Hague.

119. Still Life.

120. Moonlight on the Heath.

121. Cottage.

122. On the Heath (Evening Effect).

Mesdag, Kz. T., Scheveningen.

123. Water Mill at Ruurlo (Gelderland).

124. View on The Hague from Scheveningen.

125. In the Dunes.

126. Sheepcot at Logenen (Gelderland).

Mesdag van Calcar, Mrs. G., Scheveningen.

127. The Village Road (Vries, Drenthe).

128. Street at Hattum.

Meulen, F. P. ter, The Hague.

129. A Sandy Road.

130. At the River Side.

131. Winter.

Moes, Miss Wally, Amsterdam.

132. Praying Together.

Muller, Gerard, Amsterdam.

133. Disappointed.

134. Afternoon Tea.

Nakken, W. C., The Hague.

135. Farmhouse in Limburg.

136. Farmhouse in Welsden.

Neuhuys, Albert, The Hague.

137. A Sober Meal.

138. The Mother's Delight.

139. Dutch Woman and Child.

140. Can I Have It, Mother?

141. Rocking the Cradle.

142. Sunlight.

Nibbrig, F. Hart, Amsterdam.

143. In the Tulip Fields near Haarlem.

Offermans, T., Laren.

144. The Village Carpenter.

## Paintings in Oil and Water Colors.

Exhibit  
No.

- Oppenoorth, W., The Hague.  
 145. The Pond in the Wood of The Hague.  
 146. A Mill in the Swamp.  
 Poggenebeek, George, Amsterdam.  
 147. Between Two Dikes.  
 148. Sunset.  
 149. In the Meadows of Holland.  
 150. Near the River.  
 Roelofs, W., The Hague.  
 151. Mills near Rotterdam.  
 152. A Dutch Canal.  
 153. Pasture Grounds near the Dunes.  
 Ronner, Mrs. Henriette, Brussels.  
 154. Coquetry.  
 155. Mischief.  
 156. In Confidence.  
 Roosenboom, Mrs. Marguerite, Voorburg.  
 157. A Garland of Roses (upright).  
 158. A Garland of Roses (oblong).  
 Sadee, Ph., The Hague.  
 159. On the Beach at Scheveningen.  
 160. Shrimp Fishing at Scheveningen.  
 Schwartz, Miss Therèse, Amsterdam.  
 161. The Orphan Girls at Amsterdam.  
 162. Portrait of My Mother.  
 163. Portrait of Myself.  
 Tholen, W. B., The Hague.  
 164. Through the Woods.  
 165. Skating.  
 166. Autumn.  
 Valkenburg, H., Amsterdam.  
 167. Will You Give Me a Flower?  
 168. Pleasant Gatherings.  
 Veder, Hendrik, Rotterdam.  
 169. View at the Harbor of Flushing.  
 Verveer, Elchanon, The Hague.  
 170. Here They Are.  
 171. Expecting the Return of the Boats.  
 172. Gazing into the Horizon.  
 Veth, Bas, Dordrecht.  
 173. On the River in December.  
 Vogel, J. G., Voorburg.  
 174. In the Cornfields (Drenthe).  
 Vos, Hubert, London.  
 175. Portrait of H. M. Wilhelmina Queen of the Netherlands.  
 176. A Room in a Brussels Almshouse.  
 177. Pauvres Gens. (Poor People).  
 178. The Angelus on the Zuyderzee.  
 179. A Breton Interior.  
 180. Study of a Russian Peasant.  
 Vrolyk, Jan, The Hague.  
 181. Evening near the Farmhouse.  
 182. Cow Resting.  
 Weele, H. J., van der, The Hague.  
 183. Ploughing (Summer).  
 184. Ploughing (Spring).  
 Weissenbruch, J. Hendrik, The Hague.  
 185. Village Interior.

Exhibit  
No.

- Wysmuller, J. H., Amsterdam.  
 186. A Dutch Town.  
 187. Winter Evening (Monnikendam).  
 188. Winter Evening (Amsterdam).  
 188a. Scene in Amsterdam.  
 Zilcken, Ph., The Hague.  
 189. Golden Leaves.  
 Zwart, W. de, The Hague.  
 190. Father's Darling.  
 191. A Village Corner.

## GROUP 141.

## Paintings in Water Colors.

- Apol, Louis, The Hague.  
 196. Winter Night.  
 197. A Snowy Road.  
 Artz, D. A. C., deceased, 1890, The Hague.  
 198. A Fishwoman.  
 199. Sorrow.  
 200. Sorrow (first sketch).  
 Bakhuyzen, Miss G. J. van de Sande, The Hague.  
 201. White Roses.  
 Bastert, N., Amsterdam.  
 202. Near the Farm.  
 203. Winter.  
 Bilders van-Bosse, Mrs. M., The Hague.  
 204. Under the Beeches.  
 205. An Alley of Beech Trees.  
 Blommers, B. J., Scheveningen.  
 206. The Frugal Meal.  
 207. Mother's Darling.  
 Bock, Theophile de, The Hague.  
 208. Mill and River.  
 209. Landscape.  
 Borselen, J. W. van., deceased 1892, The Hague.  
 210. Dutch Landscape.  
 211. A Nook of the Farm.  
 Bosboom, J., deceased 1891, The Hague.  
 212. Church Interior.  
 213. Farm Interior.  
 214. Landscape in the Dunes.  
 Cate, S. J., ten, Paris.  
 215. La Rue de la Chapelle, Paris.  
 216. Eight different Views of Paris.  
 217. Six Different Views of Paris.  
 218. Summer Evening (Finistere).  
 Chattel, Fred J. du, The Hague.  
 219. Autumn Evening.  
 220. The Fisherman's Home.  
 Donders Grandmont, Mrs. Hubrecht, Taormina, Sicily.  
 221. A Tired Nurse.  
 222. Worn Out. (Crayon).  
 Eerelman, O., The Hague.  
 223. Little Pugs.

## Paintings in Water Colors.

- J. C., Scheveningen.  
White House near Deventer.  
utch Mill.  
kerke, Voorburg.  
onfidence.  
ksmith Shop.  
of Delft's Haven.  
Miss C. Pruyt van der, The  
interesting Novel.  
ref, The Hague.  
erly Cares.  
A. Hygendorp, The Hague  
santhemam.  
Jong, P. de, The Hague.  
nn.  
Barge.  
ten, The Hague.  
nbardment.  
Chickens, Isle of Marken.  
Johan M. ten, The Hague.  
Coffee-Call.  
e Shore.  
H., Amsterdam.  
ittle Sister.  
ld Gardener.  
oung Gardener.  
K., Amsterdam.  
at Amsterdam.  
at The Hague.  
., Haarlem.  
ast Autumn Leaves on The  
ilwarks of Haarlem.  
on The Maas at Maastricht.  
van der, The Hague.  
Altar.  
The Hague.  
d Nurse.  
am, Voorburg.  
Pigs.  
Charlois, near Rotterdam.  
mother and Granddaughter.  
ints.  
W., The Hague.  
ger.  
Beach at Scheveningen, Twi-  
Dutch Coast.  
Houten, Mrs. S., The Hague.  
ght.  
e.  
T., Scheveningen.  
arvest.  
eende (Noord Brabant).  
alcar, Mrs. G., Scheveningen.
- Exhibit  
No.  
Moulen, F. P., The Hague.  
260. Sheep Grazing.  
261. In the Snow.  
Moes, Miss Wally, Amsterdam.  
262. In a Village Church.  
263. Just Awakened.  
Nakken, W. C., The Hague.  
264. Farmhouse in Limburg.  
265. Farmhouse in Zuyd-Holland.  
Neuhuys, Albert, The Hague.  
266. The Mother and Her Children.  
Offermans, T., Lagen.  
267. On the Threshold.  
268. In the Herthouse.  
Oppenoorth, W., The Hague.  
269. Cut Trees.  
270. Dutch Pasture Ground.  
Poggenbeek, Geo., Amsterdam.  
271. The Duck Pool.  
Rochussen, C., Rotterdam.  
272. Before the Races.  
Roelofs, W., The Hague.  
273. Mill at Abcoude (Holland).  
274. Water Gulls in the Swamps (Holland).  
Roelofs, W., Jr., The Hague.  
275. Still-life.  
Roosenboom, Mrs. Marguerite, Voorburg.  
276. A Branch of Roses.  
277. Iris.  
278. Helianthus.  
Sadée, Ph., The Hague.  
279. After the Storm.  
Schutz, W. J., Middelburg.  
280. Low Tide on the Westerschelde.  
Stortenbeker, P., The Hague.  
281. Under the Trees.  
282. Milking-time.  
Valkenburg, H., Amsterdam.  
283. Mother and Child.  
284. Neighbors.  
285. Woman Reading.  
Veder, Hendrik, Rotterdam.  
286. View of the Maas.  
287. View of the Old Harbor of Flushing.  
Verveer, Elchanon, The Hague.  
288. To the Market.  
289. Happy Family.  
Veth, Bas, Dordrecht.  
290. Discharging a Steamer.  
291. River Scene in December.  
Voerman, J., Hattem.  
292. Still-life.  
293. Violets.  
Vos, Hubert, London.  
293a. Home-Rulers. (Pastel).  
Vrolyk, Jan, The Hague.  
294. Cow-herders.  
295. Cow House.

## Paintings in Water Colors, Engravings and Etchings, Prints.

Exhibit  
No.

- Weele, H. J. van der, The Hague.  
 296. Sand Cart.  
 297. In the Snow.  
 Weissenbruch, J. Hendrik, The Hague.  
 299. Landscape (Holland).  
 300. A Sunny Day (Holland).  
 301. A Young Artist.  
 302. At the Dutch Coast.  
 Wismuller, J. H., Amsterdam.  
 303. Saw-mills at Amsterdam.  
 304. A Dutch Landscape.

## GROUP 148:

## Engravings and Etchings, Prints.

- Croiset van der Kop, Miss J., The Hague.  
 313. Two Still-lives in one frame.  
 314. Two after H. W. Mesdag in one frame.  
 315. Japanese Bronzes.  
 316. Two Figures and Boats at Scheveningen in one frame.  
 316a. Two Studies of a Boy.  
 Dake, Prof. C. L., Amsterdam.  
 317. Portrait of H. M. the Queen of Holland.  
 318. Portrait of Ludwig van Beethoven.  
 Houten, Miss B. E. van, The Hague.  
 319. After Jules Dupre.  
 320. After Eugène Delacroix.  
 321. After J. F. Millet.  
 322. After Blommers.  
 323. Study of Birds.  
 324. Six etchings in one frame.  
 325. Three etchings in one frame.  
 326. Four etchings in one frame.  
 Koster, A. L., Haarlem.  
 327. Ten original etchings (artist's proofs) picturesque views along the canal from The Hague to Delft.  
 328. Etching after the picture of Beguin, "The Quarry" in the museum "Maurits-huis", at The Hague. (Artist's proof.)

Exhibit  
No.

- Storm van Gravesande, C. N., Bransch.  
 329. Boats on the Meuse.  
 330. Breakwater.  
 331. The Pier.  
 332. Flushing.  
 333. The Meuse off Dordrecht.  
 334. A Dead Calm.  
 Weele, H. J., van der, The Hague.  
 335. A Sandy Road, after A. Manver. (Unpublished; plate for sale.)  
 Zilcken, Ph., The Hague.  
 336. The Bridge. (After J. Maris.)  
 337. J. L. Motley. (After C. Bisschop.)  
 338. Evening. (After H. W. Mesdag.)  
 339. Primavera. (After M. Maris.)  
 Zwart, W. de, The Hague.  
 340. Eight Etchings in one frame.  
   *a* Landscape.  
   *b* Landscape.  
   *c* Figure.  
   *d* Landscape.  
   *e* Figure.  
   *f* Workmen.  
   *g* Man and Boat.  
   *h* Mill.  
 341. Four Etchings in one frame.  
   *j* Landscape (Drenthe).  
   *k* Landscape.  
   *l* Landscape.  
   *m* Near The Hague.  
 342. Seven Etchings in one frame.  
   *n* Landscape.  
   *o* Rotterdam.  
   *p* Farmhouse.  
   *q* Child.  
   *r* Milking Time.  
   *s* Landscape.  
   *t* Street.  
 343. Three Etchings in one frame.  
   *u* Digging Sand.  
   *v* Canal at The Hague  
   *w* Baru.

# JAPAN.

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## JAPAN.

GALLERY 24, ALCOVE 98, AND UPPER GALLERY EAST, SOUTH AND WEST OF ROTUNDA.

## Sculpture, Paintings.

## GROUPS 139 and 145.

## Sculpture and Modern Carving.

Exhibit

No.

**Asahi Gyokzan.**

1. A skull. (Ivory.)

**Asahi (Okioka) Eizo.**

2. Ikkyu—a Japanese Great Thinker. (Teakwood.)

**Asahi Meido (Hats.)**

3. A Japanese Boy with a dove and a cat. (Ivory.)

**Fujita Bunzo.**

4. Temptation. (Plaster.)

5. Victory. (Plaster.)

**Ishikawa Mitsuaki.**

6. Sekiza Kannon. (Wood.)

**6a. Kannon (Ivory.)****Mrakami Jetsudo.**

6b. Nitta yoshisada, a royalist.

**Nishimra Biun.**

7. Hana Kannon.

**Okazaki Sessei.**

8. An Eagle. (Bronze.)

9. Kongoriki. (Bronze.)

10. A pair of Dragons, in clouds over water. (Bronze.)

11. Benten. (Bronze.)

**Otake Norikini.**

12. A Rooster with long tail on plum tree; hen with chickens below. (Bronze.)

**Shimamra Shummei.**

13. Kamatari, a Japanese warrior. (Ivory.)

**Suzuki Chokichi, Artist.**

14. An Eagle. (Bronze.)

15. A set of Twelve Falcons. (Bronze.)

Hayasaki Jadamasa, exhibitor.

Groups of Turtles; Nishio Kisabro.

**Takamra Koun.**

16. An Old Monkey with feathers of an eagle. (Cherry wood.)

**Takenouchi Kyuichi.**

17. Gigeiten—a Buddhist mythological being. (Wood; colored.)

18. Yuima, a philosopher. (Wood.)

Exhibit

No.

18a. Shoki—devil driver. (Wood.)

**Yamada Kisai.**

19. Heichi Monogatari—a military procession of the olden time. (Wood.)

20. A Wrestler. (Wood.)

## GROUPS 140 and 141.

## Paintings.

**Aeaki Kampo.**

21. Rooster and hen among banana plants by the water side.

**Asae Ryukyo.**

22. Peacock on cherry tree.

**Fujii Gyoksho.**

23. Bird and Flowers.

**Hada Gesshu.**

24. Kinkakji—a temple.

**Hara Ryutaro.**

25. Falcon on pine.

**Hasegawa Gyokjun.**

26. Kinkakji—a temple.

**Hashimoto Gaho.**

27. Landscape.

**Hashimoto Chikanob.**

28. Customs (Beauties) in the Tokugawa period.

**Ikeda Keisen.**

29. A group of Ducks.

**Ikeda Shinsai.**

30. Kawanakajima Battle.

**Imao Keinen.**

31. A group of Carps.

32. Monkey fleeing from an Eagle.

**Kael-Yama Toksabro.**

33. Hakkok—Rice, wheat peas, etc.

**Kano Tomonob.**

34. Heichi Battle.

**Kawabata Gyoksho.**

35. A Toy Seller.

**Kawa Mitate.**

36. A battle of Nan-Bok (south and north) Courts.

## Paintings in Oil, Architectural Models, Works of Decorative Art.

Jobun.  
group of herons along bank with  
etc.  
Hikdo.  
Tiger.  
fight between kite and crow.  
Naohiko.  
landscape.  
Irei.  
autumnal landscape. (Historical.)  
Osaki.  
great Japanese teacher, Shotok-tashi.  
Beisen.  
eagles to take a rabbit.  
Tokyo.  
Eks.  
Gyoksen.  
in Hotz-gawa.  
a Sobun.  
group of Stags.  
Nagak.  
watching for his prey from fir

Okden.  
these Pheasants.

Is.  
y flowers and birds.  
Ho.  
romo—a classical dance.  
a Keizan.  
nn Flowers in Moonlight.  
i Koshu.  
Field and Rising Sun.  
i Soske.  
up of Fujisan above cloud. (Clois-  
hout wire.)  
kok.  
up of Carps.  
kyo.  
cape.  
scape—Rice fields, etc.  
ko.  
ival of Sanno, at Yedo.  
sho.  
cape.  
en.  
scene.  
Scenery.  
Ryuzabro.  
d Flowers.  
eiho.  
ape.

cs.  
aichi (Shunrin).  
on pomegranate tree.

Exhibit  
No.

**Taniguchi Kokyo.**  
55. Cherry-Flower Picnic in the Middle  
Ages.  
**Tasaki Sakan.**  
56. The top of Fjisan above cloud.  
**Tsulzawa Tanshin.**  
57. Oshokun (a Chinese court lady).  
**Ujii Yajiro.**  
58. A group of Carps.  
**Suzuki Kason.**  
59. Scene at Nikko.  
60. Scene at Nikko.  
61. Scene at Nikko.  
62. Scene at Nikko.  
63. Scene at Nikko.  
64. Scene at Nikko.  
**Watanabe Seitei.**  
65. Roosters on a cart.  
**Yamamoto Shunkyo.**  
66. A Snow Scene.  
**Yuki Masaaki.**  
67. Maeda Inuchiyo—a battle scene.

## Paintings in Oil.

**Ando Chutaro**  
68. Cherry-Flowers Sight Seers.  
69. A temple.  
**Kobayashi Mango.**  
70. A Shiba Temple.

## GROUP 148.

## Prints.

**Kokka-sha.**  
71-73. Colored prints from wood-cuts in  
three frames.  
74. Xylographs in monthly magazine.  
75. Xylographical boards.

## ARCHITECTURAL MODELS.

**Isogaya Risōji.**  
76. Sengen Palace in Shizuoka.  
**Niwa Keiske.**  
77. Yasaka Pagoda.  
**Tanaka Soyu.**  
78. Higurashi Gate of Nishi-Honganji (tem-  
ple) Kyoto.  
**Yuga Seibei.**  
79. Kondo (Golden Hall) Tennoji Temple,  
Osaka.

## Cloisonne.

**Kawade Shibatarō.**  
79a. Hotei (a god of fortune) with a child,  
(Panel).  
**Kawaguchi Ryutarō.**  
79b. A small incenser with birds, etc.

## Works of Decorative Art.

Exhibit  
No.**Namikawa Soske.**

(See No. 44.)

79a. Chicken.

**Namikawa Yasuyuki.**

80. A Pair of Vases.

**Suzki Shirōzaimon.**

81. Three large vases.

**Pottery, Porcelain, etc.****Higchi Halzane,**

81a. A flower vase.

**Ito Tozan** (See 192-291).

Exhibited by Hayashi Tadamasa.

**Kato Tomataro.**

82. Vase—landscape.

**Miyagawa Kozan.**

83. Vase—Dragons in waves.

84. A Pair of Vases—groups of various kinds of pottery, porcelain, etc.

85. Peach blow vase—Flying Dragon.

86. Peach blow vase—Crawling Dragon.

87. A pair of vases—Dragon in waves.

88-187. A private collection of 100 pieces, exhibited by Hayashi Tadamasa.

188. A Pair of Vases.

189. Vase—with plum blossoms.

**Taizan Yohei.**

191. Vase—Chrysanthemums.

**Takemoto Hayato.**

191a. A vase—brownish striped.

191b. A vase—polychromatic.

192-291. A collection of 150 pieces, exhibited by Namikawa Soske.

**Seiji-gaisha.**

291a. A pair of flower vases.

291b. Incenser.

**Seihu Yohei.**

292. Celadon vase.

293. Vase—white, with tree peony.

**Watano Kichiji.**

294. A pair of vases—hydrangea.

295. A censer with peacock top—landscape.

**Lacquer Work.****Asano Sozabro.**

296. Lacquered box decorated with round fans on black grounds.

**Igarashi Tajiro.**

297. Table. } Exhibitor, Hirasawa.

298. Writing case. } Kisabro.

299. Ryoshi-Suzri—box and writing case.

Exhibitor, Yokoyawa Ryubei.

300. Gold lacquer box—Kakgatar (Ryoshi-baco.)

**Ikeda Taishin.**

301. Enoshima Scenery. (Panel.)

**Kawanobe Itcho.**

302. Gold lacquer box, double—Flowers.

Exhibit  
No.**Matsuoka Kichihei.**

303. Small box—Noshimegata.

304. Writing case.

305. Writing case.

**Morimra Itchitaro.**

306. Lacquered cabinet.

**Morishita Morihachi.**

307. Box, decorated with butterflies, etc.

308. Box, decorated fans on black grounds.

308a. A small box, lacquered.

308b. A small rectangular box.

**Nihon Makie Gaisha.**

309. Cake box.

310. Cake box.

311. Writing case.

**Sawada Jiro.**

312. Double box, lacquered with chrysanthemums.

**Embroideries, Textile Fabrics and Velvets.****Iida Shinbichi.**

313. Wall hanging of cut velvet—Boudoir articles.

314. Wall screen, embroidered, birds and flowers.

315. Ranzan Rapids. (Panel.)

**Kawashima Jimbei.**

316. Wall hanging (Kawashima Tsuzure)—Flower Basket.

317. Wall hanging (Kawashima Tsuzure)—Nikko festival procession.

**Moriyama Yoshihei.**

318. Textile Fabric—Flower pattern.

**Nishimura Sozaemon.**

319. Kyoto Higeshiyama scenery—Six-leaved screen, decorated with embroidery etc.

320. Panel of Embroidery—Waterfall, the source of Hotsugawa (a river).

321. Wall hanging (embroidery)—Peacock on pine.

322. Four seasons—Six-leaved screen, with embroidered front and Yuzen cut and sewn velvet back.

323. The eight sceneries of Omi—Wall hanging of Yuzen cut velvet.

324. Screen of Yuzen cut velvet—ducks among reeds.

**Omura Wakichiro.**

325. A pair of embroidered Curtains—Peacock and chrysanthemums.

325a. Cranes—a pair of embroidered screens.

**Sasaki Seihichi.**

326. Gion (a Kyoto temple) Festival—Textile fabric.

**Shiino Shobei.**

327. Panel of Embroidery—landscape, Fujisan.

## Works of Decorative Art.

nel of Embroidery—landscape,  
nel of Embroidery—a bird on a plum  
el of Embroidery—a Ho-o (phoenix)  
a Kiri (Pawlonius) tree.

**GROUP 145.****Metal Work.**

sami.  
ng scenery with cherry blossoms  
receiver.  
yoshi.  
er (cherry) and birds—Card re-

-dance—Red copper vase.  
atsunhiro.  
s by bank of water—A pair of  
eys playing with insects.

u.  
e—Landscape (after Sesshu).  
osabro.  
11 table Screen—A landscape on  
and moon and bamboo on the

o.  
—Hérons by the reeds.

Exhibit  
No.

**Miyamoto Kats.**

339. Incense box.

**Namekawa Sadakats.**

340. Globular Iron Censer—Carps and Tur-  
tle top.

**Sawada Gijimiro.**

341. Sixteen Rakans (Arhats)—on incense  
box.

**Shōami Katsuyoshi.**

342. Plaque—a bird (Hiyo) on Nandia in  
snow scene.

342a. Spring plants and fowls—Incenser.

342b. Autumn Chrysanthemum—Incense  
box (Stand, lacquered).

**Tsukada Shukyo.**

343. Herons by lotus—Card receiver.

344. An eagle on rock by water—Incense  
box.

**Unno Shōmin.**

345. An Arhat with a dog of Fo—Tablet, in  
a medallion.

346. Frog hermit—Tablet, in a medallion.

347. Tablet—Kanjogak (a classical dance).

347a. Three Vases—on card receiver.

**Yoshida Shinzo.**

348. Cherry Flowers (of Yoshino) and Ma-  
ple Leaves (of Tatsuta River)—Cigar box.

Sguira, Artist; **Otsuka Takzō**, exhibitor.

348a. A pair of vases—Court ladies.

**Funakoshi Shummin.**

348b. Peacocks by peony—on box.

# MEXICO.

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Commissioner General,

**MIGUEL SERRANO,**

Lexington Hotel.

Office, 5038 Washington Ave.

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Commissioners for Fine Arts,

**JOSE Ma VELASCO,**

1328 Michigan Ave.

**FRANCISCO VELASCO,**

1328 Michigan Ave.

**NATAL PESADO,**

5038 Washington Ave.

## MEXICO.

LOCATION--IN UPPER GALLERY, ALCOVES 116-119.

Sculpture, Paintings in Oil.

## GROUP 189.

## Sculpture.

Jose Maria, Puebla.  
 Esteban Antunano.  
 Francisco Morales.  
 Jesus, City of Mexico.  
 the President of the Republic,  
 Porfirio Diaz.  
 of the Ex-President, Benito

General Felipe Berriozabal.  
 ast." (A head.)  
 oriel, City of Mexico.  
 kery of Cupid." (Group.)  
 the President of the Republic,  
 orfirio Diaz.  
 General Carlos Pacheco.  
 General Manuel Gonzalez

Leandro Fernandez, Civil En-

he Holy Virgin Mary.  
 Christ.

## GROUP 140.

## Paintings in Oil.

nacio, City of Mexico.  
 izapan.  
 ening."  
 mas, Zacatecas,  
 ng of Saint Peter.  
 Drizaba.  
 Chapultepec.  
 l of the National Museum of

he Quemada.  
 acatecas.  
 of the "Noche Triste." (Cor-  
 ror wove under this tree.)  
 f the Tepyac.  
 no Ma., Queretaro.  
 of the Humming-Bird.  
 alio, Queretaro.

Exhibit  
No.

26. Mater Dolorosa.
27. Balvanera, Valerio, Queretaro.
27. "The Chase."
- Bribiesca, Alberto, City of Mexico.
28. The Good Samaritan.
29. Ruth.
- Bastamante, Felipe, Queretaro.
30. Mexican Boy Orchestra.
- Carrasco, Gonzalo, City of Mexico.
31. Job.
32. Saint Luis Gonzaga.
- Coto, Luis, City of Mexico.
33. View of Toluca.
34. View of Chapultepec.
35. View of "Molino del Rey."
- Gomez, Miguel, Durango.
36. Country scene.
- Gutierrez, Rodrigo, City of Mexico.
37. The Senate of Tlaxcala.
- Herrera, D. Alberto, City of Mexico.
38. Cuauhtemoc Monument.
- Hernandez, Jose D., Queretaro.
39. The Senator.
- Ybarraran, Jose Ma., City of Mexico.
40. Christian Charity.
41. The Dream of the Martyr.
- Yzaguirre, Leandro, City of Mexico.
42. Columbus at the Rabida.
43. Torment of Cuauhtemoc.
44. Episode of the Foundation of the City  
of Mexico.
- Jara, Jose, City of Mexico.
45. Episode of the Foundation of the City  
of Mexico.
46. "Un Veldrio," a Mexican funeral cus-  
tom.
- Jimenez, Agustin, City of Mexico.
47. Pictures.
- Martinez, Ysidro, City of Mexico.
48. The Blind.
49. The Resurrection of the Princess Pap-  
antzin. Aztec legend.
- Mendoza, Francisco, Saltillo.
50. La Viosna, branch of the Oise, Fran

## Paintings in Oil, Water Colors, Engravings, Etchings, Prints, Drawings, Etc.

Exhibit  
No.

- Monroy, Luis, City of Mexico.  
 51. Atala.  
 52. The Roman Daughter.  
 Montenegro, J. G., City of Mexico.  
 53. Pandora.  
 Obregon, Jose, City of Mexico.  
 54. Hochtli Presenting the Pulque to the King Tepalcatzin.  
 Ocadiz, Felipe, City of Mexico.  
 55. Margarete.  
 Parra, Felix, City of Mexico.  
 56. Galileo.  
 Pastrana, Manuel, Zacatecas.  
 57. Pictures.  
 Pesado, Natal, Orizaba.  
 58. A part of the Church of Asis.  
 59. The Hunter.  
 60. Cloister.  
 61. Cloister.  
 62. General Bravo forgiving the Spanish prisoners after having received a letter informing him that his father had been assassinated by the Spaniards.  
 Pina, Jose, Salome, City of Mexico.  
 63. Flower Girl.  
 Ramirez, Manuel, City of Mexico.  
 64. The Aztec Baptism.  
 Rios, Andres, City of Mexico.  
 65. The Return from "Santa Anita."  
 Rivera, Carlos, City of Mexico.  
 66. The glen of Metlac.  
 67. The Grove of Chapultepec.  
 68. The River of Jalapa.  
 Sanchez Lima, Ramon, Queretaro.  
 69. View of Queretaro.  
 70. The Hercules Mills.  
 71. Mater Dolorosa.  
 72. View of the City of Queretaro.  
 Tenorio, Adolfo, City of Mexico.  
 73. The Square of Guadalupe Hidalgo.  
 74. View of Puebla.  
 75. View of Cordoba.  
 Tovilla, Jose, Aguascalientes.  
 76. Pictures.  
 Unsuetu, Adrian, City of Mexico.  
 77. Ophelia.  
 78. The Offer of the Crown to Moctezuma.  
 79. Ishmael.  
 Valdez, Pablo, City of Mexico.  
 80. The Supper at the Pharisee's House.  
 Velasco, Jose Ma., City of Mexico.  
 81. The Volcano of Orizaba, viewed from Cordoba.  
 82. The Valley of Oaxaca.  
 83. The Town of Guetlaton.  
 84. The Valley of Mexico, from the hill of Santa Ysabel.

Exhibit  
No.

85. The City of Mexico, from the hill of Santa Ysabel.  
 86. The Herd.  
 87. View of Chimalhistac.  
 88. The Valley of Mexico.  
 89. Glen of Metlac.  
 90. Pitahaya.  
 91. Petuni del los Baños (Natural Hot Springs).  
 92. View of Chimalpan.  
 93. Volcanos Tzacuahuatl and Popocatepetl.  
 94. The Tree of the "Noche Triste."  
 95. The City of Mexico, from the hill of Atzacualco.

## GROUP 141.

## Paintings in Water Colors.

- Alcerrec, Ygnacio, City of Mexico.  
 96. A Head.  
 Secilla, Manuel S., City of Mexico.  
 97. Water Colors.

## GROUP 143 and 144.

Engravings and Etchings: Prints.  
Drawings.

- Balvanera, Jesus Ma., Queretaro.  
 98. Baby.  
 Balvanera, Rosalia, Queretaro.  
 99. The Storm.  
 Belmont, Andres, City of Mexico.  
 100. Basket of Flowers. (Pen drawing.)  
 Campa, Luis, City of Mexico.  
 101. Aztec Flower Girl. (Etching.)  
 102. The Tlaxcalteca Guard.  
 Pesado, Natal, Orizaba.  
 103. Portrait of the King of Italy.  
 Portillo, Miguel, City of Mexico.  
 104. Columbus before the Catholic Kings.  
 Sanchez, Lima, Queretaro.  
 105. Three Heads.

## GROUP 145.

## Antique and Modern Carvings; Engravings in Medallions or in Gems.

- Cisneros, Luis, City of Mexico.  
 106. Medal of Christopher Columbus.  
 Galaviz, Antonio H., City of Mexico.  
 107. Medals and Engravings.  
 Pastrana, Guillermo R., City of Mexico.  
 108. Seals and Monograms.  
 Pantoja, Felipe, City of Mexico.  
 109. The Spring. (Ivory).  
 Sanchez, Jose, Toluca.  
 110. Metal Seal.

# NEW SOUTH WALES.

Executive Commissioner,

HON. DR. ARTHUR RENWICK, M. L. C.

Australia House, Jackson Park.

# NEW SOUTH WALES.

LOCATION—IN UPPER GALERY, ALCOVE 185.

Sculpture, Paintings in Oil and Water Colors.

## GROUP 139.

### Sculpture.

Exhibit  
No.

Simonetti, A., Sydney.

4a. Portrait bust in marble of the Hon. A. Kenwick, M. D., M. L. C.

## GROUP 140.

### Paintings in Oil.

Part of a Loan Collection exhibited by the Trustees of the National Art Gallery of New South Wales, Sydney.

Ashton, J. R.

51. The Prospector.

Lister, W. Lister.

52. After the Shower.

Spence, Percy.

53. "The Ploughman Homeward Plods His Weary Way."

Piguenit, W. C.

54. The Upper Nepean.

Mahoney, Frank P.

55. Rounding up a Straggler.

Hunt, C. H.

56. Sydney from the North Shore, Evening.

Condor, C.

57. Departure of the "Orient."

Mahoney, Frank P.

58. "As in the Days of Old."

Roberts, Tom.

60. Aboriginal Head.

Stoddart, Mary.

61. "From Earth and Ocean."

Fullwood, A. H.

62. The Station Boundary.

## GROUP 141.

### Paintings in Water Colors.

Part of a Loan Collection exhibited by the Trustees of the National Art Gallery of New South Wales, Sydney.

Exhibit  
No.

Minns, B. E.

216. Crescent Head, Point Plomer.

Fullwood, A. H.

219. Jervis Bay, Shoalhaven River.

Ashton, J. R.

221. The Shoalhaven River at its Junction with the Broughton.

Lister, W. Lister.

222. Stonehenge, New England.

223. Graham's Valley, New England.

Hern, C. E.

224. Govett's Leap.

Commons, Donald.

225. The Coast, near Ben Buckler.

Bevan, E.

226. "A Preliminary Puff."

Hanson, Albert J.

227. Silvery Seas.

NOTE.—Under the authority of the Director General of the Exposition, the works of art from New South Wales, for which space could not be found in the Art Palace, were placed in the New South Wales Government Building, Australia House, Where they may be inspected between the hours of 9 A. M. and 6 P. M.

For information regarding exhibits for sale apply to the Executive Commissioner, Australia House.

# NORWAY.

MINISTER.

Royal Commissioner General.

**CHR. RAVN,**

Hyde Park Hotel.

Commissioner of Fine Arts.

**OTTO SINDING,**

Hyde Park Hotel.

Information regarding exhibits for sale apply to Miss Annette Faugner  
at desk in Gallery 71.

# EXHIBITION

## NORWAY.

### Sculpture, Paintings in Oil.

#### GROUP 139.

##### Sculpture.

Exhibit

No.

Sinding, Johanna, Copenhagen.

1. By the Shore.

2. A Child.

Svor, Anders, Christiania.

3. David.

4. A Farmer.

5. A Little Girl.

Tønnesen, Ambrosia, Bergen.

6. Hjørdis.

Visdal, T., Christiania.

7. Bust of Mr Knudsen.

#### Class 822.

Skeibrok, Mathias, Christiania.

8. Bust of Bjørnstjerne Bjørnson.

#### GROUP 140.

##### Paintings in Oil.

H. R. H. Prince Eugen.

9. Lake.

10. Landscape.

Arbo, P. N.

11. Valkyrie.

Backer, Harriet, Christiania.

12. From Tannum Church.

Berg, Gunnar, Svolvær.

13. From Lofoten.

Borgen, Fr., Christiania.

14. From Gudbrandsdalen.

15. Landscape (Autumn).

16. From Southern Norway.

17. Norwegian Landscape.

18. From Ojer.

Bratland, Jac., Christiania.

19. A Commission for Tax Assessment.

Collett, Fredrik, Christiania.

20. Winter.

21. After Sunset.

22. Thawing Weather.

23. The Devil's Hole.

24. Mesna, Lillehammer.

Exhibit  
No.

Diriks Edvard Christiania.

25. On the Norwegian Coast.

26. Winter.

Falsen, Mimi, Christiania.

27. In Thought.

Gloersen, Jacob, Christiania.

28. After Sunset.

Grimelund, Johs., Paris.

29. At the Entrance of the Hardanger-fjord.

Grøenvold, Bernt., Bergen.

30. Summer Day in Norway.

31. An Old Man.

Gude, Nils., Christiania.

32. Heartsick.

33. Portrait. (Henrik Ibsen.)

Hansteen, Nils., Christiania.

34. Norwegian Fjord.

35. Norwegian Landscape.

36. Marine. (Pilot.)

37. From Oresund.

38. From Hornbak. (Denmark.)

39. Winter Day at Skagen. (Denmark.)

Heyerdahl, Hans, Christiania.

40. Oui ou Non.

41. Bathing Boys.

42. Fishers.

43. By the Shore.

44. Birch Woods.

45. From Aasgaardstrand.

46. Portrait of Mr. Sivert Nielsen, President of the Storting. (Norwegian Congress.)

47. Portrait of Mrs. Laura Gundersen.

Hjerlow, Ragnvald, Christiania.

48. Springtime in Paris.

Hjersing, Arne, Christiania.

49. From Asker.

Holmboe, Thorolf, Christiania.

50. In the North Sea.

51. Nocturne.

52. Autumn.

53. Marine.

54. Snow Storm.

Jørgensen, Sv., Drammen.

55. Want of Employment.

Kaulum, H., Laurkullen.

56. Herringfishery at Hvaløerne.



## Engravings and Etchings, Prints, Pastel Drawings, Medallions.

Exhibit  
No.

135. Woovers.  
136. The Wise Bird.  
137. Frightened.  
138. Three Princesses.  
139. The Serpent.  
140. The Child and the Angel.  
141. The Wicked Stepmother.  
142. The Song.  
143. The Hell Horse.  
144. The Buck's Bruse.

## GROUP 143.

## Engravings and Etchings.

Nordhagen, Joh., Christiania.

145. Five Etchings.

## GROUP 144.

## Chalk, Charcoal, Pastel and Other Drawings.

Exhibit  
No.

- Nielsen, Eivind, Christiania.  
146. Drawings in a Frame.  
Thaulow, Fr.  
147. By the River. (Winter.)  
148. In March.  
Werenskiold, Erik, Christiania.  
149. Drawing.  
150. Drawing.  
151. Drawing.  
152. Drawing.  
153. Drawing.

## GROUP 145.

## Antique and Modern Carvings; Engravings in Medallions or in Gems, Cameos, Intaglios.

- Thorndsen, Fuar, Kongsberg.  
154. Medallions.

GROUP 141.

Printings in Water Colors.  
Munthe, C. Th. Sandviken, Christiania.

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1991 1992 1993

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2702 Michigan Avenue.

F. KAMENSKY.

01. 1991

4)  $u_1 = 1, u_2 = 0$ 

Information regarding exhibits for sale apply in Gallery 20, South Court.

## RUSSIA

EXHIBIT OF THE IMPERIAL ACADEMY OF FINE ARTS.  
IN GALLERIES 19 AND 20.

## Sculpture, Paintings in Oil.

## GROUP 189.

## Sculpture.

Exhibit

No.

- Beklemisheff, Vladimir Alexandrovitch.**  
1. A Runaway Slave. (A Group in Plaster.)  
**Dillon, Maria, Luovna.**  
2. Caprice. (Plaster.)  
3. Bliss. (Statue in Bronze.)  
**Gunzbourg, Ilia Jakovlevitch.**  
4. The First Music. (Statue in Bronze.) (Property of the Academy.)  
5. Count L. Tolstoi.  
6. Statuette, Mr. J. J. Schlschkine.  
7. Statuette Mr. A. T. Rubenstein.  
8. Statuette Mr. P. T. Tchaikoffsky.  
9. Statuette Mr. V. V. Vereschaguine.  
11. Statuette, Mr. V. V. Stasoff.  
12. Bust of the Count L. Tolstoi.  
13. Bust of the possessor, D. D. Mendeleieff.  
14. The Bathing Boys. (A Group in Plaster.)  
15. An Interesting Story.

## GROUP 140.

## Paintings in Oil.

- Aivazovsky.** See 106-124a.  
**Alexeieff.** See 125, 126.  
**Asknazy, Isaak Luovitch.**  
16. The Parents of Moses.  
17. Celebration of the Sabbath.  
18. The Bridegroom (A Talmudist) on Probation.  
**Bobroff, Victor Alexeievitch.**  
20. Erzkus Herzke—A Jew from Kovna. (1886.)  
**Bodarevsky, Nicolay Kornilovitch.**  
21. A Wedding in Little Russia.  
**Bronnikoff Feodor Andreievitch.**  
22. Christian Martyr. (1878.) (Property of the Academy.)

Exhibit

No.

- Bruni, Nicolay Alexandrovitch.**  
23. The Candle-bearer. (Property of the Academy.)  
**Dmitrieff-Orenbursky, Nicolay Dmitrievitch.**  
24. A Drowned Man in a Country Place.  
25. The Military: Studio of an artist.  
26. Sunday in a Village.  
**Ducker, Eugeny Eduardovitch.**  
27. Noon. (Property of the Academy.)  
**Endoguroff, Ivan Ivanovitch.**  
28. The Early Spring. (Property of the Academy.)  
29. A Heavy Rain. (Property of the Academy.)  
30. A Winter Evening in a Village.  
**Fedders, Iuliy, Ivanovitch.**  
31. My Villa. (Property of the Academy.)  
**Frentz, Rudolf Feodorovitch.**  
32. An Inn. (Property of the Academy.)  
**Galimsky, Vladislav Mihailovitch.**  
33. Forest.  
**Graedkovsky.**  
34. In the Swing.  
**Golumsky Vasily Andrievitch.**  
35. The Mushroom Gatherers Taking a Rest. (1888.) (Property of the Academy.)  
**Jacoby Valerian Ivanovitch.**  
36. The Ice Palace. (1881.) (Property of the Academy.)  
**Shuravleff, Firs Sergeievitch.**  
37. Hay Makers at Rest.  
38. He Loves Me—He Loves Me Not.  
39. The Family of a Street Musician.  
**Kivshenko, Alexei Danilovitch.**  
40. The Military Counsel at Fily, in 1812. (Property of the Academy.)  
41. A Wolf Caught Alive. (Property of Academy.)  
42. Assorting Feathers.  
43. At the Crater of Ledgy.  
**Klagis, Feodor Andreievitch.**  
44. Interior View of the Church of the Saviour at Moscow.  
**Klever, Julie Iulievitch.**  
45. Forest. (Property of the Academy.)

Paintings in Oil and Water Colors, and Modern Carvings.

Paintings in Oil.

on Jurgensburg, Baron Mikhail Con-  
inovich. (Property of the Academy.)  
e Czar's Bounty. (Property of the Academy.)  
Constantine. (Property of the Academy.)  
ish Girls. (Property of the Academy.)  
king Tea. (Property of the Academy.)  
n, Alexey Ivanovich. (Property of the Academy.)  
Evening before the Wedding. (Property of the Academy.)  
sant life. (Property of the Academy.)  
sky, Pavel Osipovich. (Property of the Academy.)  
vation in Rome. (1878.) (Property of the Academy.)  
y, Ivan Nicolaievitch. (Property of the Academy.)  
rait of Mr. Solovitch. (Property of the Academy.)  
rait of the Artist's Daughter. (Property of the Academy.)  
vsky Josif Evstafievitch. (Property of the Academy.)  
New Moon. (Property of the Academy.)  
ly Morning. (Property of the Academy.)  
y, Constantine Yakovlevitch. (Property of the Academy.)  
Heat over a Fresh Breeze blow-  
89.) (Property of the Academy.)  
Work. (Property of the Academy.)  
ght in Little Russia. (Property of the Academy.)  
alageia Petrovna. (Property of the Academy.)  
dscape. (Property of the Academy.)  
Nicolay Dmitrievitch. (Property of the Academy.)  
stics of the Rens. (1888.) (Property of the Academy.)  
Garden. (1889.) (Property of the Academy.)  
interrupted Breakfast. (Property of the Academy.)  
arl Vikentievitch. (Property of the Academy.)  
it Girls. (Property of the Academy.)  
Day in a Convent. (Property of the Academy.)  
ro, Alexander Dmitrievitch. (Property of the Academy.)  
dian Ambassador, Calvudi d'Am-  
Favorite Falcons of the Czar, Mihailovitch. (Property of the Academy.)  
Constantin Egorovitch. (Property of the Academy.)  
de's Attire. (Property of the Academy.)  
of a Lady. (Property of the Academy.)  
and Juliet. (Property of the Academy.)  
Vladimir Egorovitch. (Property of the Academy.)  
nblers' Quarrel. (Property of the Academy.)  
gard. (Property of the Academy.)  
Market in Moscow. (1879.) (Property of the Academy.)  
yfarer. (Property of the Academy.)  
ssians Smoking. (Property of the Academy.)  
Arseny Ivanovich. (Property of the Academy.)  
va Roads. (1886.) (Property of the Academy.)  
xander Ivanovich. (Property of the Academy.)  
ndry of Omutings. (Property of the Academy.)

Exhibit No.

Missoidoff, Gregoriy Gregoriavitch.  
77. The Escape of Gregoriy Otrepieff near the Frontier of Lithuania. (Property of the Academy.)  
78. The Harvest; a copy of the Picture belonging to the Emperor. (Property of the Academy.)  
Novoskelsen, Alexander Nicolaievitch.  
79. Head of a Negro. (Property of the Academy.)  
80. The Last Minutes of the Metropolitan Phillip. (Property of the Academy.)  
Navoski, Vasily Ivanovich. (Property of the Academy.)  
81. A Free Dining-room. (Property of the Academy.)  
Paaternak, Leonid. (Property of the Academy.)  
82. Going Home. (Property of the Academy.)  
Pelevin, Ivan Andrieievitch. (Property of the Academy.)  
83. The First Borna. (Property of the Academy.)  
Peroff, Vasily Grigoriavitch. (Property of the Academy.)  
84. The Fishermen. (1873.) (Property of the Academy.)  
84a. Pugatchoff, the personator of Peter III of Russia. (Property of the Academy.)  
Pimonenko, Nicolay Karlovitch. (Property of the Academy.)  
85. Easter Halloween. (Property of the Academy.)  
Polenoff, Helena. (Property of the Academy.)  
86. After the Bath. (Water color.) (Property of the Academy.)  
87. Before the Examination. (Property of the Academy.)  
Repine Elias Evimovitch. (Property of the Academy.)  
88. The Cossack's Answer. (Property of the Academy.)  
Savinsky, Vasily Evmentievitch. (Property of the Academy.)  
89. The Invitation of the Sick Duke Polarski to accept the Command of the Army. (Property of the Academy.)  
Savitzky, Constantin Appollonovitch. (Property of the Academy.)  
90. For Christ's Sake. (Property of the Academy.)  
Sedoff, Gregory Siemsonovitch. (Property of the Academy.)  
91. Vasilisa Melentieva. (1832.) (The Mistress of Ivan the Terrible, of Moscow.)  
Schischkin Ivan Ivanovich. (Property of the Academy.)  
92. A Forest. (Property of the Academy.)  
Siemiradsky, Henry Hippolytovitch. (Property of the Academy.)  
93. Christ in the House of Lazarus. (1887.) (Property of the Academy.)  
94. Phryne. (1887.) (Property of the Academy.)  
Stepanoff, Alexei. (Property of the Academy.)  
95. The Hunt. (Property of the Academy.)  
Svertchkoff, Nicolay Egorovitch. (Property of the Academy.)  
96. The Pony that Killed a Wolf. (Property of the Academy.)  
Tchistiakoff Pavel Petrovitch. (Property of the Academy.)  
97. The Grand Duchess, Sophia Vitof-  
tovna, at the Wedding of the Grand Duke Vasilie II "The Dark," (1433) Tearing off Demetrie Donskoy's Belt from the Duke

## Paintings in Oil and Water Colors, Antique and Modern Carvings.

Exhibit  
No.

- Vasilie, "The One-Sighted," (1882.) (Property of the Academy.)  
**Tvoroshtnikoff, Ivan Ivanovitch.**  
 98. A Lay Brother Selling Images. (1888.) (Property of the Academy.)  
 99. Grandmother and Granddaughter. (1889.) (Property of the Academy.)  
**Vasilieff, Feodor Alexandrovitch.**  
 100. After the Rain. (Property of the Academy.)  
**Venig, Karl Bogdanovitch.**  
 101. A Russian Girl. (1889.) (Property of the Academy.)  
**Volkoff, Efim Efimovitch.**  
 102. Morning.  
**Willewalde, Bogdan Pavlovitch.**  
 103. You To-Day and I To-Morrow. (Property of the Academy.)  
**Zagorsky, Nicolay Petrovitch.**  
 104. A Sore Heart. (Property of the Academy.)  
 105. Morning Tea.

106. **Aivazovsky, Ivan Constantinovich.**  
 The Ship "Santa Maria" on its way to America, when Columbus, during a heavy storm was surrounded by the Revolting Crew.  
 107. Columbus Landing with his suite at San Salvador.  
 108. Young Columbus Saving himself on the Mast of a Mercantile ship, set on fire by a Venetian Galley, off the Coast of Portugal.  
 109. The Farewell of Columbus in Palos, before going to Sea.  
 110. The Arrival of Columbus' Flotilla on the American Shore.  
 111. Naples, By Moonlight.

Exhibit  
No.

112. The Gondola. (In Venice.)  
 113. Saving Himself in a Boat.  
 114. Garibaldi and the Garibaldians on the Deck of a Steamer.  
 115. Yalta in the Morning.  
 116. A Storm on the Crimean Coast.  
 117. A Street in Bakhchisaray. (The Capital of Crimea, during the dominion of the Tartars.)  
 118. A Boat in a Storm.  
 119. A Lantern on the Sea of Marmora.  
 120. Constantinople.  
 121. Breakers on the Sea of Azof.  
 122. Breakers on the Coast of the Black Sea.  
 123. Yalta at Night.  
 124. Environs of Malaga.  
 124a. The Parthenon.  
**Alexeieff Alexander Hypatievitch.**  
 125. An Italian Girl. (1884.)  
 126. Head of an Italian Girl (1889).

## GROUP 141.

## Paintings in Water Colors.

## Endoguroff Sergey Ivanovitch.

127. A Quiet Day.  
 128. After the Storm.  
 129. Evening.  
**Polenoff, Helena. See 86.**  
**Wrangel, Helena Karlovna, Barocas.**  
 129a. A Winter Landscape.

## GROUP 145.

## Antique and Modern Carvings.

## Adamson.

130. The Dying Hyacinthe. (Wood carving.)  
 130a. Helpless.

# SOCIETY OF ARTISTS OF POLISH ARTISTS. POLISH ARTISTS.

Paintings in Oil.

Paintings in Oil.

Paintings in Oil.

Paintings in Oil.

Alchimowicz, K., Warsaw.

1. Glinicki, J., Warsaw.

2. A. Tyski, J., Warsaw.

3. A. Tyski, J., Warsaw.

4. Glinicki, J., Warsaw.

5. Glinicki, J., Warsaw.

6. Glinicki, J., Warsaw.

7. Glinicki, J., Warsaw.

8. Glinicki, J., Warsaw.

9. Glinicki, J., Warsaw.

10. Glinicki, J., Warsaw.

11. Glinicki, J., Warsaw.

12. Glinicki, J., Warsaw.

13. Glinicki, J., Warsaw.

14. Glinicki, J., Warsaw.

15. Glinicki, J., Warsaw.

16. Glinicki, J., Warsaw.

17. Glinicki, J., Warsaw.

18. Glinicki, J., Warsaw.

19. Glinicki, J., Warsaw.

20. Glinicki, J., Warsaw.

21. Glinicki, J., Warsaw.

22. Glinicki, J., Warsaw.

23. Glinicki, J., Warsaw.

24. Glinicki, J., Warsaw.

25. Glinicki, J., Warsaw.

26. Glinicki, J., Warsaw.

27. Glinicki, J., Warsaw.

28. Glinicki, J., Warsaw.

29. Glinicki, J., Warsaw.

30. Glinicki, J., Warsaw.

31. Glinicki, J., Warsaw.

32. Glinicki, J., Warsaw.

33. Glinicki, J., Warsaw.

34. Glinicki, J., Warsaw.

35. Glinicki, J., Warsaw.

36. Glinicki, J., Warsaw.

37. Glinicki, J., Warsaw.

38. Glinicki, J., Warsaw.

39. Glinicki, J., Warsaw.

40. Glinicki, J., Warsaw.

GEORGE SOSNOWSKI,

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W. BROCHOCKI,

Delegates of the Society of Polish Artists at the  
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# SOCIETY OF POLISH ARTISTS.

Paintings in Oil

## GROUP 140.

### Paintings in Oil.

Exhibit  
No.

**Alchimowicz, K., Warsaw.**

1. Gliniski in Prison.
2. A Traveling Merchant.
3. A Moorish Girl.
4. Gathering Mushrooms.
5. Milda (Goddess of Love).

**Bilinska, A., Warsaw.**

6. A Study.

**Brochocki, V., Warsaw.**

7. In the Park.

**Claglinski, John, St. Petersburg.**

8. A Portrait.
9. Birch Trees.

10. Reverie.

**Cichocki, F., Warsaw.**

11. Shepherd Boys.

12. Farewell.

**Chelmonski, Joseph, Warsaw.**

13. Hares.

**Daniszewska, M., Warsaw.**

14. A Warsaw Coal Seller.
15. A Warsaw Straw Mat Dealer.

**Dukszynska, E., Warsaw.**

16. Abandoned.
17. Meditation.

18. A Pet.

19. Autumn.

**Gazycz, M., Warsaw.**

20. A Study.
21. At Grochow.

22. A Buga Type.

**Geneli, M., Warsaw.**

23. A Study.
24. A Study.
25. A Model.
26. At Work.

**Gerson, W., Warsaw.**

27. Hedvige, Queen of Poland.
28. The Baptism of Lithuania.
29. King Sigismund's Vision.
30. Above the Clouds.
31. Crossing the Brook.
32. Music.

Exhibit

No.

33. Dance.

**Goscinski, W., Warsaw.**

34. At a Pond.

35. The Valley of Oicow.

**Gramatyka, A., Cracow.**

36. A Pond.

37. Environments of Cracow.

38. Environments of Cracow.

**Gryglewski, A., Warsaw.**

39. Interior of a Church.

**Guminski, W., Warsaw.**

40. The First Snow.

**Hass, J., Warsaw.**

41. Plan of the Warsaw-Vienna Railway Station.

**Jasinski, Z., Warsaw.**

42. Palm Sunday Mass.

**Kasiewicz, Marcin, Warsaw.**

43. Where Shall We Go?

**Kudzik, J., Warsaw.**

44. Reverie.

45. A Young Mother.

46. A Woman's Head.

**Kossak & Tandos, Cracow.**

47. Twenty-five Views of Cracow.

**Kedzierski, A., Warsaw.**

48. A Rustic Astronomer.

49. To Church.

50. Return from Town.

**Kostrzewski, F., Warsaw.**

51. The Itinerant Merchant.

52. The First Lesson.

53. At the Inn.

54. From the Forest.

**Malczewski, F., Cracow.**

55. Death of an Exiled Woman in Siberia.

**Malczewski, T., Warsaw.**

56. Cupids Doing Penance.

57. A Polish Fiddler.

**Maslowski, S., Warsaw.**

58. Before the Impressment.

**Maszynski, J.**

59. A Rustic Choir.

60. In the Forest.

61. In Despair.

62. A Game Dealer.

63. An Algerian Boy.

## Paintings in Oil.

histopheles' Serenade.  
John, Cracow.  
John's Night.  
Nihora relating the history of  
and prophesying her resuscitation.  
C., Warsaw.  
John's Attack.  
Finished Song.  
Consolate.  
Vski, A.  
Mountains.  
in, D.  
Hour of Rest.  
Roman's Head.  
Christian Care.  
I., Warsaw.  
ing.  
zi, I.  
est in Sandomir.  
ki, W.  
t Vita Nostra, the Four Seasons.  
ski, H.  
er.

the Ferry.  
i, A., Cracow.  
d by the Ocean's Wave.  
ing Mother.  
er Morning.  
ng.  
i, Zygmunt.  
s.  
ski, W., Warsaw.  
ance of Skeletons.  
New World, "A Street in War-

Forest.  
Garden.  
Playing Billiards.  
I., Cracow.  
he Storm.  
v of Zakopane.  
Waclaw, Warsaw.  
Gate of Chan Margli Jirej.  
i, B., Warsaw.  
s.

ki, W., Cracow.  
Secret.

Exhibit  
No.

Rosen, Paul, Warsaw.  
96. Strolling.  
Ryszkiewicz, J., Warsaw.  
97. Cossacks.  
98. Summer Night.  
Reyzner, M., Paris.  
99. Breton Peasants.  
Suchodolski, Z., Warsaw.  
100. Gypsy Camp.  
Stankiewicz, Z., Warsaw.  
101. Winter.  
102. Forest Scene.  
103. Forest.  
Stasiak, Ludwik, Cracow  
104. Sacrificed.  
105. Winter.  
106. Moonlight Night.  
107. Peasant Custom, after the Wedding.  
108. Scene from Brzesk Life.  
Styka, I., Cracow.  
107. Queen of Poland pray for us.  
Sztencel, M., Warsaw.  
108. Ophelia.  
Szwojnicki, R., Warsaw.  
109. Electioneering.  
110. In the Morning.  
111. Bailiff.  
Szydlar, P.  
112. Dolce far niente.  
Tetmayer, W., Cracow.  
113. The Penman.  
114. Wedding.  
Trembacz, M., Warsaw.  
115. The Good Samaritan.  
Wisniewski, B.  
116. Shepherd Boy.  
Wodzinowski, W.  
117. Poisonous Mushrooms.  
Zalewski, M.  
118. Interior View of a Church.  
Zarembski, M.  
119. A Somnambulist.  
Zmurko, F., Warsaw.  
120. A Lady in Fur.  
121. The Feudal Law.  
122. Children's Heads.  
123. Pieta.  
124. Evening Song.  
125. Under the Influence of Hasheesh.



# SPAIN.

1912

Delegate General,

**[E. SEÑOR DE ENRIQUE DUPUY DE LOME,**

**Hotel Metropole, Chicago.**

Commissioner for Fine Arts.

**SEÑOR DE A. G. DEL CAMPILLO,**

**82 Twenty-sixth Street, Chicago.**

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# SPAIN.

## SPAIN.

Sculpture, Paintings in Oil.

### GROUP 139.

#### Sculpture.

In West Court.

Exhibit  
No.

- Alcoverro y Amores, Jose, Madrid.**  
 1. A Duck. (Bronze group.)  
**Alsina y Amils, Antonio, Madrid.**  
 2. Child's Head. (Baked clay.)  
**Amutio, Federico, Madrid.**  
 3. A Love Story. (Bronze group.)  
**Arnau y Masent, Eusebio, Barcelona.**  
 4. Hope. (Group in plaster.)  
 4a. Ave Maria. (Group in baked clay—in Spanish Pavilion.)  
 4b. Obverse and reverse of bronze medal.  
**Campany y Santamaria, Jose, Barcelona.**  
 5. Female Bull Fighter.  
 5a. A Beauty.  
 5b. A Fop.  
 5c. Bust in Baked Clay.  
**Casanovas Gonzalez, Antonio, Madrid.**  
 6. Bust of the Countess de Pinedo.  
**Castellanas y Escola, Miguel, Barcelona.**  
 7. Bust of Monturiol.  
**Claraso, Enrique, Barcelona.**  
 8. Remorse. (Plaster.)  
**Cubero, Jose, Malaga.**  
 Painted figures in baked clay:  
 9. Smuggler.  
 9a. Smuggler.  
 9b. Smuggler.  
 9c. Dandy.  
 9d. Fish Seller.  
 9e. Fop.  
 9f. Gypsy.  
 9g. Bandit Chief.  
 9h. Guitar Player.  
 9i. Smuggler.  
 9j. Dancer.  
 9k. Fop.  
 9l. Smuggler.  
 9m. Fop.  
 9n. Three Groups of Bull Fighters.  
**Duque y Duque, Eugenio, Madrid.**  
 10. The Genius of War. (Plaster.)  
 10a. Bust of Christino Martos. (Plaster.)

Exhibit  
No.

- Estrada de Picabia, Francisco de Asis, Barcelona.**  
 11. Saint Cecilia. (Baked clay.)  
 11a. Meditation. (Portrait bust.) (Baked clay.)  
**Gandarias y Plangan, Justo de, Madrid.**  
 12. Fortune. (Plaster.)  
 12a. Japanese Woman. (Marble.)  
**Gines y Ortiz, Adela, Madrid.**  
 13. A Struggle for Life. (Plaster.)  
**Inurria Lainosa, Mateo, Cordoba.**  
 14. Santa Teresa de Jesus. (Artificial marble.)  
**Marinas y Garcia, Aniceto, Segovia.**  
 15. The Fishers Caught. (Group in plaster.)  
 15a. Model Resting. (Bronze.)  
**Monserat y Portella, Jose, Barcelona.**  
 16. The First Attempt. (Plaster.)  
**Montero y Navas, Jose, Madrid.**  
 17. The Allegory of Architecture. (Plaster.)  
**Museo Nacional de Pintura y Escultura, Madrid.**  
 18. Tradition. (Bronze.) By Augustin Querol, Tortosa.  
 18a. Child and Duck. (Bronze.) By Justo Gandarias, Barcelona.  
 19. Shipwrecked. (Plaster.) By M. Friles.  
 19a. The First Pair of Earrings. By C. Folgueras.  
 19b. Mars. By Alcoverro.  
**Nunez Fernandez, Ramon, Madrid.**  
 20. Slave in Market Place. (Plaster.)  
**Parera y Saurina, Antonio, Barcelona.**  
 21. Labor's Reward. (Plaster.)  
**Reynes, Jose, Barcelona.**  
 22. San Luis Gonzaga. (Plaster.)  
**Riera y Casanovas, Juan, Barcelona.**  
 23. Imitation of metal decorative Plaque—The Barcelona Exposition of 1888.  
 23a. Bas-relief—Music.  
**Serra, Francisco de Asis, Barcelona.**  
 24. A Nazarene.  
 24a. St. Jerome. (Busts in baked clay.)  
 24b. Child Jesus. (Busts in baked clay.)  
**Susillo.**  
 24c. Monument to Columbus at Havana.  
 Bas-relief. (Bronze.)

Sculpture, Paintings in Oil.

1. Abarca, Agapito, Barcelona.  
 2. Hunter. (Baked clay.)  
 3. Venancio, Barcelona.  
 4. Vanquishing Force. (Baked  
 5. Marti, Jose, Vall d'Areny.  
 6. al Cisneros. (Plaster.)

GROUP 144.

Paintings in Oil.

7. n Galleries 21, 22, 23.  
 8. uan, Joaquin, Valencia.  
 9. Health of the Bride.  
 10. of Charity.  
 11. Guerra, Jose, Madrid.  
 12. le.  
 13. ia, Madrid.  
 14. t Carlitos. Va. carria.  
 15. s.  
 16. Montoyo, Julia, Madrid.  
 17. eat Square.  
 18. ites, Francisco, Madrid.  
 19. ipan, Madrid.  
 20. Hurtado, Cosme, Madrid.  
 21. incisco de Asis.  
 22. mont, Cesas, Madrid.  
 23. of the War of Independ-  
 24. s, Ochoa, Madrid.  
 25. Barcelona.  
 26. it.  
 27. n, Francisco, Seville.  
 28. una of Montiel.  
 29. of Seville.  
 30. Granada.  
 31. o, Joaquín, Madrid.  
 32. to Pay?"  
 33. f Vigo.  
 34. rickán Vigor.  
 35. e de, Seville.  
 36. t at the Spring.  
 37. , Jose, Seville.  
 38. it Girl.  
 39. s, General.  
 40. pe.  
 41. eville.  
 42. andez, Rafael, Madrid.  
 43. an Dancer.  
 44. oe.  
 45. eter, Juan, Barcelona.  
 46. lation.  
 47. alza, Joaquín, Madrid.  
 48. Farewell.  
 49. ano, Barcelona.  
 50. and Women.  
 51. arcelona.  
 52. sion.

Exhibit  
 No.  
 1. Bermudez, Mateo, Jose, Madrid.  
 2. 43. Under the Awning.  
 3. 43a. In Guifol.  
 4. 43b. The Cafe Thiel.  
 5. Bernete, Aureliano de, Madrid.  
 6. 44. The Heights of Fuenfria.  
 7. 44a. Landscape at Torreldones.  
 8. 44b. The Guadarrama Mountains, from  
 Madrid.  
 9. Bilbao, Gonzalo, Seville.  
 10. 45. Return from Work.  
 11. 45a. Friday in a Cemetery in Morocco.  
 12. 45b. San Trovato, Venice.  
 13. 45c. Resting.  
 14. 45d. Orange Pickers in Andalusia.  
 15. 45e. "Come Back Soon."  
 16. Brockmann y Llanos, Elisa, Madrid.  
 17. 47. A Procession in the Cloisters of San  
 Juan de los Reyes, Toledo.  
 18. Brugada y Panizo, Luis, Barcelona.  
 19. 48. Lost!  
 20. Buxó y Tresangles, Luis, Barcelona.  
 21. 49. Court of the Gcese Cathedral of Bar-  
 celona.  
 22. Campuzano, Tomas, Madrid.  
 23. 50. Cantabrian Coast.  
 24. Casas, Ramon, Barcelona.  
 25. 51. Erik Satie.  
 26. 51a. Looking over Books.  
 27. Castelucho, A. y C., Barcelona.  
 28. 52. A Portrait.  
 29. 52a. Rest.  
 30. Checa y Delicado, Felipe, Badajoz.  
 31. 53. "Blava Had Enough."  
 32. 53a. Making Use of an Opportunity.  
 33. 53b. Flowers and Fruits.  
 34. 53c. A Flower.  
 35. Clemente y Perh, Salvador, Seville.  
 36. 54. The Summer Swallows Will Return.  
 37. 54a. Under the Vine.  
 38. 54b. Flowers.  
 39. Comba y Garcia, Juan, Madrid.  
 40. 55. Artillery Passing.  
 41. Cortes y Cordoso, Eduardo, Seville.  
 42. 56. Head of an Andalusian Woman.  
 43. 56a. Head of an Andalusian Woman.  
 44. 56b. Head of an Andalusian Woman.  
 45. Crespo Villanueva, Manuel, Madrid.  
 46. 57. Entrance to House in Which Columbus  
 Died.  
 47. Criado y Vaca, M., Madrid.  
 48. 57a. Landscape.  
 49. Cusachs y Cusachs, Jose, Barcelona.  
 50. 58. Lancers on the March.  
 51. 58a. Trumpeter of Chasseurs.  
 52. 58b. Cavalry Crossing a Ford.  
 53. Cutanda, Vicente, Madrid.  
 54. 59. A Strike in Vizcaya.

# 1912

## SPAIN.

Sculpture, Paintings in Oil.

### GROUP 189.

#### Sculpture.

In West Court.

Exhibit  
No.

- Alcoverro y Amoros, Jose, Madrid.**  
 1. A Duo. (Bronze group.)  
**Alsina y Amils, Antonio, Madrid.**  
 2. Child's Head. (Baked clay.)  
**Amutio, Federico, Madrid.**  
 3. A Love Story. (Bronze group.)  
**Arnau y Masent, Eusebio, Barcelona.**  
 4. Hope. (Group in plaster.)  
 4a. Ave Maria. (Group in baked clay—  
 in Spanish Pavilion.)  
 4b. Obverse and reverse of bronze medal.  
**Campany y Santamaria, Jose, Barcelona.**  
 5. Female Bull Fighter.  
 5a. A Beauty.  
 5b. A Fop.  
 5c. Bust in Baked Clay.  
**Casanovas Gonzalez, Antonio, Madrid.**  
 6. Bust of the Countess de Pinedo.  
**Castellanas y Escola, Miguel, Barcelona.**  
 7. Bust of Monturiol.  
**Claraso, Enrique, Barcelona.**  
 8. Remorse. (Plaster.)  
**Cubero, Jose, Malaga.**  
 Painted figures in baked clay:  
 9. Smuggler.  
 9a. Smuggler.  
 9b. Smuggler.  
 9c. Dandy.  
 9d. Fish Seller.  
 9e. Fop.  
 9f. Gypsy.  
 9g. Bandit Chief.  
 9h. Guitar Player.  
 9i. Smuggler.  
 9j. Dancer.  
 9k. Fop.  
 9l. Smuggler.  
 9m. Fop.  
 9n. Three Groups of Bull Fighters.  
**Duque y Duque, Eugenio, Madrid.**  
 10. The Genius of War. (Plaster.)  
 10a. Bust of Christino Martos. (Plaster.)

Exhibit  
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- Estrada de Picabia, Francisco de Asis, Barcelona.**  
 11. Saint Cecilia. (Baked clay.)  
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 12. Fortune. (Plaster.)  
 12a. Japanese Woman. (Marble.)  
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**Inurria Lainosa, Mateo, Cordoba.**  
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**Montero y Navas, Jose, Madrid.**  
 17. The Allegory of Architecture. (Plaster.)  
**Museo Nacional de Pintura y Escultura, Madrid.**  
 18. Tradition. (Bronze.) By Augustin Querol, Tortosa.  
 18a. Child and Duck. (Bronze.) By Justo Gandarias, Barcelona.  
 19. Shipwrecked. (Plaster.) By M. Friles.  
 19a. The First Pair of Earrings. By C. Folgueras.  
 19b. Mars. By Alcoverro.  
**Nunez Fernandez, Ramon, Madrid.**  
 20. Slave in Market Place. (Plaster.)  
**Parera y Saurina, Antonio, Barcelona.**  
 21. Labor's Reward. (Plaster.)  
**Reynes, Jose, Barcelona.**  
 22. San Luis Gonzaga. (Plaster.)  
**Riera y Casanovas, Juan, Barcelona.**  
 23. Imitation of metal decorative Plaque—  
 The Barcelona Exposition of 1888.  
 23a. Bas-relief—Music.  
**Serra, Francisco de Asis, Barcelona.**  
 24. A Nazarene.  
 24a. St. Gerome. } (Busts in baked clay.)  
 24b. Child Jesus. }  
**Susillo.**  
 24c. Monument to Columbus at Havana.  
 Bas-relief. (Bronze.)

Sculpture, Paintings to Oil.

Abarca, Agapito, Barcelona.  
on Hunter. (Baked clay.)  
Venancio, Barcelona.  
Vanquishing Force. (Baked  
larti, Jose, Vall. cia.  
al Cisneros. (Plaster)

GROUP 144

Paintings in Oil.

Galleries 21, 22, 23  
uan, Joaquin, Valencia  
Health of the Bride.  
of Charity.  
uerra, Jose, Madrid  
le.  
ia, Madrid.  
Girl from Valencia.  
Montoyo, Julia, Madrid  
at Square.  
ites, Francisco, Madrid.  
tpe, Madrid  
furtado, Cosme, Madrid.  
ncisco de Asia  
ont, Casas, Madrid.  
of the War of Independ-  
s, Girona  
i, Barcelona.  
n, Francisco, Seville  
ma of Montiel.  
of Seville.  
Granada.  
), Joaquin, Madrid.  
to Pay?"  
f Vigo.  
rket in Vigo  
e de, Seville.  
t at the Spring.  
), Jose, Seville.  
it Girl.  
s General.  
pe.  
eville.  
andez, Rafael, Madrid.  
an Dancer.  
e.  
eter, Juan, Barcelona.  
lation.  
alza, Joaquin, Madrid.  
Farewell  
ano, Barcelona.  
nd Women  
arcelona.  
sion.

Exhibit  
No.  
Bermudez Mateos, Jose, Madrid.  
43. Under the Awning.  
43a. In Guifol.  
43b. The Cafe Thief.  
Bernete, Aureliano de, Madrid.  
44. The Heights of Fuenfria.  
44a. Landscape at Torrepedones.  
44b. The Guadarrama Mountains, from  
Madrid.  
Bilbao, Gonzalo, Sevilla.  
45. Return from Work.  
45a. Friday in a Cemetery in Morocco.  
45b. San Trovato, Venice.  
45c. Resting.  
45d. Orange Pickers in Andalusia.  
45e. "Come Back Soon."  
Brockmann y Llanos, Elisa, Madrid.  
47. A Procession in the Cloisters of San  
Juan de los Reyes, Toledo.  
Brugada y Panizo, Luis, Barcelona.  
48. Lost!  
Buxó y Tresangels, Luis, Barcelona.  
49. Court of the Gecse, Cathedral of, Bar-  
celona.  
Campuzano, Tomas, Madrid.  
50. Cantabrian Coast.  
Casas, Ramon, Barcelona.  
51. Erik Satie.  
51a. Looking over Books.  
Castelucho, A. y C., Barcelona.  
52. A Portrait.  
52a. Rest.  
Checa y Delicado, Felipe, Badajoz.  
53. "Blow Hard Enough, it Stings."  
53a. Making Use of an Opportunity.  
53b. Flowers and Fruit.  
53c. A Fioleto.  
Clemente y Peru, Salvador, Seville.  
54. The Summer Swallows Will Return.  
54a. Under the Vine.  
54b. Flowers.  
Combe y Garcia, Juan, Madrid.  
55. Artillery Passing.  
Cortes y Cordero, Eduardo, Sevilla.  
56. Head of an Andalusian Woman.  
56a. Head of an Andalusian Woman.  
56b. Head of an Andalusian Woman.  
Crespo Villanueva, Manuel, Madrid.  
57. Entrance to House in Which Columbus  
Died.  
Criado y Vaca, M., Madrid.  
57a. Landscape.  
Cusachs y Cusachs, Jose, Barcelona.  
58. Lancers on the March.  
58a. Trumpeter of Chasseurs.  
58b. Cavalry Crossing a Ford.  
Cutanda, Vicente, Madrid.  
59. A Strike in Vizcaya.

## Paintings in Oil.

Exhibit  
No.

- Dapousa Bengoechea, Niceto, Madrid.  
60. Flowers.  
60a. Birds.  
Diez Frances, Jose, Barcelona.  
61. Ruined Houses.  
61a. Early Dawn.  
Dominguez, M., Madrid.  
61b. A Royal Ball.  
61c. Venetian Terrace.  
Esteban y Vivero, Enrique, Madrid.  
62. Flying Artillery.  
Fernandez Gil, Federico, Malaga.  
63. Bay of Malaga.  
Ferran, Luis, Madrid.  
63a. The May Pole.  
63b. The Palace Gate on Reception Day.  
Ferrer, Antonio de, Barcelona.  
64. Interior of a Catalan Farmhouse.  
64a. Leaving Church.  
64b. The Pilgrim.  
64c. Catalan Girl, a hundred years ago.  
Ferrer Calatayud, Pedro, Madrid.  
65. Wrecks; a Stormy Day in the Levant.  
Fierros y Alvarez, Dionisio, Oviedo.  
66. Roman Boy.  
66a. The Timid Girl.  
66b. Marine, near Cantabria.  
Frances y Arribas, Fernanda, Madrid.  
68. Crabs.  
68a. Field Flowers.  
Frances y Pascual, Placido, Madrid.  
69. Father's Advice.  
69a. In the Garden.  
Galdacaso y Avellaneda, Antonio de, Barcelona.  
70. "Here he Comes." (Scene in bull fight).  
Galofre Olier, Francisco, Barcelona.  
71. A Public Whipping; in Barcelona in the middle of the 17th century.  
Galvez, Mariano Miguel, Zaragoza.  
72. Right Bank of the Ebro, in Saragossa.  
Garcia, Cameroano, Fernando, Seville.  
73. A Lullaby.  
73a. Flowers.  
Garcia Hispaletto, Manuel, Madrid.  
74. The belle with the white mantilla.  
Garcia Prieto, Andres, Santander.  
75. The Tarantella.  
75a. War News.  
75b. One Angel More.  
75c. Ducal Palace, Venice.  
75d. Landscape, Picos de Europa.  
75e. Landscape.  
75f. Portico of Ducal Palace, Venice.  
75g. The Ginealeca Canal, Venice.  
75h. The Grand Canal, Venice.  
75i. The Campagna, Rome.  
Garcia Tome, Balbina, Seville.  
76. A Florist.

Exhibit  
No.

- 76a. A Tradeswoman.  
76b. Preparing for a Festival.  
Garcia y Rodriguez, Manuel, Seville.  
77. Summer in Seville.  
Gari Torrent, Onofre, Madrid.  
78. Fishers Casting Nets.  
Garnelo, Eloisa, Madrid.  
79. Mountain Vintagers.  
Garnelo, Jose, Madrid.  
80. The First Homage Paid to Columbus in the New World.  
80a. Suicide for Love.  
80b. Interior of St. Marc's, Venice.  
80c. "I Could Have Been a Minister."  
80d. An Englishman.  
Gartner, Jose, Malaga.  
81. The Invincible Wreck of the Spanish Armada.  
81a. Port of Malaga.  
Gasch y Blanch, Luis, Valencia.  
82. An Idyl.  
Genoves Bernat, Eulogio, Malaga.  
83. Changing the Course. An incident in the discovery of America.  
Gessa y Arias, Sebastian, Madrid.  
84. Autumnal Fruits.  
84a. Spring Flowers and Fruit.  
Gomez Salvador, Constantino, Valencia.  
85. A View of Pardo.  
Gonzalez Sevillano, Antonio, Seville.  
86. Fair Time.  
86a. The First Kiss.  
86b. Arab Festival.  
86c. The Hall of Ambassadors.  
86d. Don Miguel de Mañara, founder of La Caridad (Charity) in Seville.  
Gonzalez Simancas, Manuel, Barcelona.  
87. A Flank Attack.  
87a. After the Battle.  
Gonzalvo Perez, Pablo, Madrid.  
88. St. Marc's, Venice.  
88a. The Arabian New Tower, Saragossa.  
88b. Chapel of St. Isidoro, St. Marc's, Venice.  
Grante Tejada, Luis, Malaga.  
89. Flowers.  
Guillen Pedemonte, Madrid.  
90. The Last Blessing.  
Herrer, Cesar, Madrid.  
91. Study of Ships.  
91a. Santi Apostoli Canal, Venice.  
Hidalgo, Felix Resurreccion, Paris.  
92. Farewell to the Sun.  
92a. Twilight.  
Jadraquey Sanchez Ocaña, Miguel, Madrid.  
93. Great and Small Game.  
Jaraba Jimenez, Manuel Enrique, Malaga.  
94. Marine.  
94a. Study of a Figure.

Paintings in Oil.

n Nepomuceno, Cornelia.  
Rome.  
oad up to Panticosta.  
anda, Jose, Madrid.  
cident in the Bull Ring.  
is Fooling Whom?"  
Terrace.  
ne of Chess.  
int's Sweets.  
anda, Luis, Paris.  
pital Ward, Visit of the Chief  
oth Market in the Temple, Paris.  
ood Boy.  
overs.  
unco, Jose, Seville.  
of the Guadalete.  
the Port of Santa Maria.  
Seville.  
uardo, Castellon de la Plana.  
of the Cathedral of Toledo.  
nzalez, Jose de, Madrid.  
old Hunter.  
ustin, Madrid.  
cape.  
era, Ricardo, Seville.  
pa's Story.  
pinner.  
azy Corner.  
is and Chloe.  
ero, Manuel, Seville.  
of Ambassadors, the Alcazar,  
of Figures, Alcazar, Seville.  
ogent, Ramiro, Barcelona.  
st.  
in, Malaga.  
isian Peasants.  
rom the Nude.  
llo.  
Regina.  
arrete, Ricardo de.  
thing Hour.  
lo.  
ucia, Madrid.  
vers' Torment.  
rcel, Julia, Valencia.  
t Woman of Valencia.  
s.  
cia, Jose Maria, Barcelona.  
others.  
Hernandes, Joaquin, Maria,  
armstress' Room.  
ades, Juan, Madrid.  
ot's Burial.  
Bay.  
f Surf.

Exhibit  
No.  
110c. Breaking Waves.  
Martinez y Altes, Gabriel, Barcelona.  
111. Monks, Redeeming Prisoners in  
Tangiers, 1500.  
111a. Gamblers, XVI Century.  
111b. Tavern, XVI Century.  
Maura y Montaner, Francisco, Madrid.  
112. Alcala Street, Madrid, after the Bull  
Fight.  
112a. Twilight.  
112b. View of Palma de Mallorca.  
Maureta y Aracil, Gabriel, Madrid.  
113. Mary Stuart Just Before the Execution.  
113a. Spoiled Child.  
Meifren y Roig, Eliseo, Barcelona.  
114. Marine.  
Menocal, Armando, Habana.  
115. Embarcation of Columbus, by, orden  
of Bobadilla.  
Moragas y Torras, Tomas, Barcelona.  
116. Morocco Caravan Resting.  
Moreno Carbonero, Jose, Madrid.  
116a. Gil Blas.  
116b. Gee up, Jenny!  
116c. The Adventure of the Sheep. (Don  
Quixote.)  
Morera, Jaime, Madrid.  
117. Coast of Normandy.  
Munoz, Lucena, Tomas, Madrid.  
118. Palm Sunday.  
118a. Garden of the Escorial.  
118b. Coaching Station in Granada.  
Murillo Carreras, Rafael, Malaga.  
119. The Tower of Homage. (A Moorish  
relic in Malaga.)  
Rosales, Eduardo, Madrid.  
120. Isabella, the Catholic, Dictating Her  
Will. (Lent by the Museo Nacional de  
Pintura y Escultura, Madrid.)  
Degram, Antonio Munoz, Valencia.  
120a. The Lovers of Teruel. (Lent by the  
Museo Nacional de Pintura y Escultura,  
Madrid.)  
Carbonero, Jose Moreno.  
120b. Conversion of the Duke of Candia.  
(Lent by the Museo Nacional de Pintura  
y Escultura, Madrid.)  
Andrade, Angel, Ciudad Real.  
120c. An Anniversary. (Lent by the Museo  
Nacional de Pintura y Escultura, Madrid.)  
Martinez, Juan Abades, Gijon.  
120d. Communion on Board Ship. (Lent by  
the Museo Nacional de Pintura y Escul-  
tura, Madrid.)  
Ocon y Rivas, Emilio, Malaga.  
121. The Last Hurrah.  
Olaria, J., Madrid.  
121a. A Jolly Time.

## Paintings in Oil.

- | Exhibit No.                             | Exhibit No.                            |
|---|--|
| Oliva Rodrigo, Eugenio, Madrid.         | Rusiñol, Santiago, Barcelona.          |
| 122. Young Saffron.                     | 139. An Old Woman.                     |
| Ortiz Gaudí, Jose, Valencia.            | 139a. Cemetery of Montmartre.          |
| 123. Landscape Near Valencia.           | 139b. Garden in Winter.                |
| Pacheco y Fuente, Ricardo, Santander.   | 139c. Pawnbroker's Shop.               |
| 124. "Well?"                            | 139d. Garden at Montmartre.            |
| 124a. Study of a Head.                  | Sanchez Cuello, Alonzo, Madrid.        |
| Parladé y Heredia, Andres, Seville.     | 139e. Hernan Cortes.                   |
| 125. Journey to Pavia.                  | Sans y Castano, Francisco, Barcelona.  |
| 125a. The Treaty of Caspe.              | 140. A Clown.                          |
| Paternani, Enrique, Haro.               | Sans y Corbella, Tomas, Barcelona.     |
| 126. Mother's Visit.                    | 141. The Catalan Coast.                |
| Pelayo Fernandez, Eduardo, Madrid.      | 141a. The Norman Coast.                |
| 127. The Guadarrama Mountains.          | Santa Maria Sedano, Marcelino, Madrid. |
| Peña y Muñoz, Maximino, Madrid.         | 142. The Triumph of the Holy Cross.    |
| 128. Art in the Country.                | 142a. Preparing the Mass.              |
| 129. A Dainty Mouthful.                 | Simonet, Enrique, Malaga.              |
| Pinos y Pais, Juan, Barcelona.          | 143. Fleuve Super Illam.               |
| 130. Shepherds.                         | Sorolla, Joaquin, Madrid.              |
| 130a. In Labor's Field.                 | 144. Another Madrid Scene.             |
| Pirala, Maria, Madrid.                  | 144a. In a Group.                      |
| 131. Sea Fish.                          | 144b. Flower Girls.                    |
| 131a. Autumn Flowers.                   | 144c. Relics.                          |
| Planella y Rodriguez, Juan, Barcelona.  | 144d. The Watchman.                    |
| 132. The Little Weaver.                 | Tapiro, José, Fanger.                  |
| Porro, Angel, Habana.                   | 144e. Moorish Wedding Dance.           |
| 132a. Landscape in Calabaz.             | Texidor y Torres, Modesto.             |
| 132b. Field of Labor.                   | 145. Unlucky.                          |
| 132c. Noon on the Lake.                 | 145a. Melancholy.                      |
| 132d. A Ceiba Tree.                     | 145b. The Little Sailors.              |
| Primelles, Angel, Habana.               | Tirado, J., Madrid.                    |
| 132e. Port of Habana in a Storm.        | 145c. Andalusian Singer.               |
| 132f. Dawn on the Beach of San Lázaro.  | Tolosa Alsina, Aurelio, Barcelona.     |
| Ramírez e Ibañez, Manuel, Madrid.       | 146. Flowers.                          |
| 133. In the Garden.                     | Tornal, Juan, Santiago.                |
| 133a. Suburbs of Madrid.                | 146a. Cock Fight.                      |
| 133b. Head of a Child.                  | 146b. Reading the Koran.               |
| Reyna, Antonio, Malaga.                 | 146c. A Moorish Story.                 |
| 133c. San Trovaso, Venice.              | Triado y Mayol, José, Barcelona.       |
| Riquer e Anglada, Alejandro, Barcelona. | 147. Coast of Ampurdan.                |
| 134. The Divine Shepherd.               | 147a. Interior of a Catalan House.     |
| 134a. The Duck Tender.                  | 147b. In the Laboratory.               |
| Robles y Martinez, Jose, Oviedo.        | Trias y Giró, Federico, Barcelona.     |
| 135. Florinda.                          | 148. Under tutelage.                   |
| 135a. Sunday in a Village.              | Turina, Joaquin, Seville.              |
| Rodriguez de Rivera, Maria, Madrid.     | 149. Seville.                          |
| 136. Grapes and Peaches.                | 149a. Return of Columbus to Pajos.     |
| 136a. Pansies and Pelargonios.          | Urgell e Figuera, Modesto, Barcelona.  |
| Roig y Soler, Juan, Barcelona.          | 150. "Be Still."                       |
| 137. Beach at Blanes.                   | Uria Jose, Madrid.                     |
| 137a. Port of Barcelona.                | 150a. Santa Saviour.                   |
| 137b. Beach at Sitges.                  | Utrillo y Viadera, Antonio, Barcelona. |
| Rosales, E., Madrid.                    | 152. Carmesol.                         |
| 137c. Italian Girl, Study.              | Vayreda y Vila, Mariano, Barcelona.    |
| 137d. Landscape, Study.                 | 153. Repose.                           |
| Ruiz Garcia de Salces, Madrid.          | Vega y Marrugan Jose, Seville.         |
| 137c. Portrait.                         | 154. Grapes.                           |
| Ruiz Luna, Justo, Cadiz.                | 154a. Grapes.                          |
| 138. October 12, 1492.                  | 154b. Corral at Seville.               |

gs in Oil and Water Colors, on Enamel, Engravings, Drawings, Carvings.

lain of Santa Cruz, Seville.  
Julio, Valencia.  
Diggers.  
s, Jose, Valencia.  
Diaz, Manuel, Seville.  
of an Andalusian Woman.  
Diaz, Manuel, Madrid.  
Washing Place at Montecellio.

Eugenio, Valencia.  
Ragell, Fernando, Barcelona.  
Arts Saluting Immortality.

#### GROUP 141.

ings in Water Colors.  
Rodriguez, Miguel, Madrid.  
A. y C., Barcelona.

in a Palace.  
room, Moorish style.  
oom, Modern.  
ule for a Court House.  
ardo, Madrid.  
quixote and the Sheep.

cape.  
cape.  
cape.  
cape.  
ador, Coastantino, Valencia.

lower Girls.  
aleto, Manuel, Madrid.  
rish Woman.  
Carrie, Madrid.  
bus before the Catholic Kings.  
or on kid.—Fragment of the  
y Jover.

Garcia, Province of Barcelona.  
rawings for illustration.

angiers.  
s of the Sus.  
rish Cafe.  
h Bridegroom.  
h Bride.  
h Saint.

#### GROUP 142.

Ivory, on Enamel, on Metal,  
in, or Other Wares; Fresco  
Painting on Walls.

ederico, Habana.  
l; "Minerva."

Exhibit 1010

No. 105. Decorative Painting by a special process.

#### GROUP 143.

Engravings and Etchings; Prints.

Araujo Ruano, Joaquin, Madrid.  
166. A Head from Rembrandt's Syn-  
dics. (Copper plate.)  
166a. Philip IV's Fool—after Velasquez.  
(Copper plate.)  
166b. Portrait of Prince Baltasar Carlos—  
after Velasquez. (Copper plate.)  
166c. Vandyck and the Marquis of Bristol  
—after Vandyck.

Rieusset, Francisco, Barcelona.

167. Samples of Etchings and Engravings  
on Steel and Copper.  
168. Samples of Etchings and Engravings  
on Steel and Copper.  
Rico, Ricardo de los, Madrid.  
Etchings:

168a. The Minister's Friends. (After D. R. K.)  
168b. Potatoes. (After Lerolle.)  
168c. Fisher Girl. (After C. S. Pearce.)  
168d. Curiosity. (After Pasm.)  
168e. Portrait of Garibaldi.  
168f. Reaper. (After Lerolle.)  
168g. Water Bearer. (After C. S. Pearce.)  
168h. Prelude. (After C. S. Pearce.)  
168i. Prayer. (After C. S. Pearce.)  
168j. Portrait of Columbus.

#### GROUP 144.

Chalk, Charcoal, Pastel and Other Draw-  
ings.

Colomines y Calvet, Enrique, Habana.

168j. Pen and ink Portrait of Artist.  
Comba y Garcia, Juan, Madrid.  
169. The Arenas Pier—Bilbao. (Pastel.)  
Pando, José de, Seville.  
170. The Bath. (Pastel.)  
170a. The Gardener. (Pastel.)  
170b. Good to Another. (Pastel.)  
Pasco, Jose, Barcelona.  
171. Designs for a Phototype and Chromo-  
Lithographic Calendar.

Pellicer, J. L., Gracia.  
172. Two Book Illustrations. (Pen and Ink.)  
Ottero y Colomines, Habana.

172a. Pen and ink portrait of the wife of  
the President of the U. S.

Piera, Francisco, Habana.

172b. Four portraits (Crayon).

Quinones, Arturo, Habana.

172c. Crayon portrait.

## Architecture.

## GROUP 145.

**Antique and Modern Carvings; Engravings in Medallions or in Gems; Cameos, Intaglios.**

Exhibit  
No.

- Fernandez de Robles, Maximo, Madrid.**  
 172d. The Holy Family. (Carved in ivory.)  
**Lopez, Francisco de Asis, Madrid.**  
 172e. Wax design for a medal to commemorate the 400th anniversary of the discovery of America.  
**Zoido, Antonio, Badajoz.**  
 172f. Bridge over the Albarragena. (Picture, carved in black marble.)

## FROM VARIOUS GROUPS.

## Architecture.

- Alonso, Arsenio, Leon.**  
 173. Designs for a Triumphant Arch. (Four drawings.)  
**Amador de los Rios, Ramiro, Madrid.**  
 174. Temple of Florus in Egypt. (Three drawings.)  
 174a. Temple of Antoninus and Fausta, Rome. (Six drawings.)  
**Dalet, Domingo, Barcelona.**  
 175. Designs for decoration of theatre of the Lyceum, Barcelona.  
 175a. Printing house of N. Ramirez & Co., Barcelona.  
 175b. Hot Baths of La Garriga.  
 175c. Villa Planas in Sardonola  
 176. Vault of the Vilumara Family.

Exhibit  
No.

- Garcia y Cabrera, Vicente, y Herrais, Pascual, Madrid.**  
 177. Designs for a provincial legislative building at Vizeaya. (Ten drawings.)  
**Iturralde, Antonio de, Valladolid.**  
 178. Design for a hospital.  
 179. Design for a provincial legislative building.  
**Junta gestora del Mausoleo, de los Benaberos, Habana.**  
 179a. Plan of the Monument and descriptive pamphlet. (Zapata, Architect; Querol, Sculptor.)  
**Pavia y Bermingham, Joaquin, Rome.**  
 180. Restoration of the Temple of Vesta, Roman Forum. (Nine drawings.)  
**Repulles, Enrique Maria, Madrid.**  
 181. Designs for the Royal Basilica de Atocha, Madrid. (Fifteen drawings.)  
**Salas, Ramon, Tarragona.**  
 182. Church of St. Peter, Tarragona.  
 182a. Monument to Admiral Roger de Lauria.  
 182b. Bull Ring.  
**Torre, Felix de la, Madrid.**  
 183. Design for Manicomio de Valencia. (Twenty-three drawings.)  
**Villar, Francisco del, Barcelona.**  
 184. Design for a great circus. (Three drawings.)  
**Zapata, Julio M., Madrid.**  
 185. Design for a provincial legislative building. (Six drawings.)

# SWEDEN.

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Royal Commissioner,  
**ARTUR LEFFLER,**  
Swedish Pavillon, Jackson Park.

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Special Commissioner of Fine Arts,  
**ANDERS L. ZORN,**  
Swedish Pavillon, Jackson Park.

Information regarding exhibits for sale apply to Mr. A. PREYER, at entrance  
to Holland Section, West Court.

# SWEDEN.

## Sculpture, Paintings in Oil.

### GROUP 139.

#### Sculpture.

Exhibit  
No.

- Akerman, W., Paris.**  
 1. Madonna. (Plaster relief.)  
 2. "Sensitiva."  
**Börjesson, Prof. John, Stockholm.**  
 3. The Brothers. (Bronze group.)  
**Eriksson, Christian, Paris.**  
 4. Carl von Linne. (Plaster relief.)  
 5. "1779." (Marble.)  
 6. Blindman's Buff. (Bronze vase.)  
**Hasselberg, Per, Stockholm.**  
 7. The Snowdrop. (Plaster statue.)  
 8. The Frog. (Plaster statue.)  
 9. The Water Lily. (Plaster statue.)  
 10. Louis de Geer. (Plaster bust.)  
 11. Prince Eugen. (Bronze bust.)  
 12. Olof Wijk. (Bronze statuette.)  
 13. P. Fürstenberg. (Bronze statuette.)  
**Lundberg, Th., Prof., Stockholm.**  
 14. Relief for the Decoration of a Mantel-piece.  
**Matton, Ida, Paris.**  
 15. "Mama." (Marble statue.)  
**Nyström, Alf., Stockholm.**  
 16. The Lion of Gothia. (Plaster.)  
**Söderman, N. Aug., Stockholm.**  
 17. John Ericsson. (Plaster statuette, in Swedish Pavilion.)  
**Wallgren, Antoinette, Paris.**  
 18. Bretonne.

### GROUP 140.

#### Paintings in Oil.

- Albert, G., Paris.**  
 19. French Landscape.  
 20. French Landscape.  
**Andersson, J. A. G., Stockholm.**  
 21. Winter Fishing.  
**Arborelius, O., Stockholm.**  
 22. Landscape in Dalecarlia. (In Swedish Pavilion.)  
 23. Hay Carting in Dalecarlia.

Exhibit  
No.

24. Sunday Morning in Dalecarlia.  
 25. Bridal Procession in Dalecarlia.  
**Beer, A., Stockholm. (Swedish Pavilion.)**  
 26. The Castle of Tidö, Sweden.  
**Behm, Wilhelm, Gnesta.**  
 27. Birch Grove, Södermanland. (In Swedish Pavilion.)  
 28. Winter Landscape.  
 29. Landscape, River Valley of the lake of selfven. (In Swedish Pavilion.)  
**Bergh, R., Stockholm.**  
 30. Portrait of Miss E. B.  
 31. An Old Song.  
 32. Landscape.  
**Björck, O., Stockholm.**  
 33. Portrait of Baron J. M. Nordenfalk.  
 34. Interior of Cow-house.  
 35. Portrait Study.  
**Bonnier, Eva, Stockholm.**  
 36. My Housekeeper.  
 37. Music.  
 38. Portrait; Mr. H. L.  
**Borg, A., Stockholm.**  
 39. Scene from Fair in Örebro. (In Swedish Pavilion.)  
 40. Elk Hunt. (In Swedish Pavilion.)  
**Bredberg, Mina, Stockholm.**  
 41. Portrait of a Russian Artist.  
**Chadwick, E., Stockholm.**  
 42. Carmencita.  
 43. Rainbow.  
 44. "My Boy."  
**Ekström, P., Segerstad, Öland.**  
 45. Moonrise, Särö.  
 46. Breaking Up of the Ice, Oscarshamn.  
 47. Dawning, Normandy.  
 48. Landscape, Marstrand.  
 49. December Midday Sun, Öland.  
 50. Autumn, Öland.  
**Ericsson, Joh., Gothenburg.**  
 51. Moonrise.  
**H. R. H. Prince Eugen of Sweden and Norway.**  
 52. The Forest.  
 53. Autumn Day.  
 54. The Temple.

Paintings in Oil.

I. Stockholm. (Swedish Pavilion.)  
 in the Archipelago.  
 Stockholm. (Swedish Pavilion.)  
 the Tottehumeln, Areskutan,  
 of Arc, in Jemtland, Sweden.  
 g., Paris.  
 and Hopore."  
 , Baron, Österby, Torshälla,  
 Stockholm.  
 in May.  
 Stockholm. (Swedish Pavilion.)  
 of H. R. M., the King of Sweden.  
 Laborers.  
 beth, Stockholm.  
 Woman, Normandy.  
 Stockholm.  
 oe, Wernmland, Sweden. (In Pavilion.)  
 , Warberg.  
 Evening.  
 ew from Warberg.  
 Iyll.  
 lius, Professor, Stockholm.  
 of Charles XIII. (In Swedish Pavilion.)  
 kholm.  
 'easant's Cottage: (In Swedish Pavilion.)  
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## Paintings in Oil, Water Colors, Engravings and Etchings, Drawings and Carvings.

## Exhibit

- No.  
 128. Evening (Hallands' Väderö.)  
 129. Stockholm in Moonlight.  
 130. Misty Night, Oise.  
 131. River Landscape (Eure.)  
 132. Morning (Oise.)  
 133. View from the West Coast of Sweden  
 Wahlström, Charlotte, Stockholm.  
 134. Moonrise.  
 Wallander, Alf., Stockholm.  
 135. "Putte."  
 Westman, Edw., Stockholm.  
 136. Spring Evening.  
 137. Hay-making in Normandy.  
 Zorn, And. L., Paris.  
 138. "Margit."  
 139. Omnibus.  
 140. Ball.  
 141. Fair in Mora, Sweden.  
 142. A Toast in "Idun."  
 143. A Forest Study.  
 144. Sunset.

## GROUP 141.

## Paintings in Water Colors.

- Boberg, Anna, Stockholm.  
 145. Venice.  
 146. Goudolas.  
 147. View from Menaggio.  
 Ericsson, Anna, Gothenburg.  
 148. View from Ronneby, Sweden.  
 149. Moon-rise.  
 Gellerstedt, Prof. A. T., Stockholm.  
 150. Swedish Views. (In Swedish Pavilion.)  
 Hermelin, T., Baron, Stockholm.  
 151. Runic Monuments. } In Swedish  
 152. The Barrows of Upsala. } Pavilion.  
 Jolin, Ellen, Stockholm.  
 153. The Baptistry of Sienna.  
 Larson, Carl, Gothenburg.  
 154. Portrait; Mrs. F.  
 155. Interior of Dalecarrian Peasant Cottage, winter time.  
 Tiren, J., Stockholm.  
 (Paintings in Swedish Pavilion.)  
 156. Landscape with Lapps.  
 157. Lapp on Snow Skates. ("Skidor.")  
 158. Lapps Catching Reindeer.

## GROUP 142.

Paintings on Ivory, on Enamel, on Metal,  
 on Porcelain or Other Wares; Fresco  
 Painting on Walls.

- Althin, C., Stockholm.  
 159. Decorative Painting.

## GROUP 143.

## Engravings and Etchings; Prints.

## Exhibit

- No.  
 Boberg, S., Stockholm.  
 160. Birger Jarl.  
 161. St. Catherine Church, Stockholm.  
 162. Interior of Italian Yard.  
 163. The Choir of San Marco, Venice.  
 Haglund, R., Stockholm.  
 164. The German Church in Stockholm.  
 165. "Kornhamn," Stockholm.  
 166. The Fürstenberg Art-Gallery in Gothenberg.  
 Haig, A. H., Haslemere, Surrey, England.  
 167. The Cathedral of Burgos.  
 168. Arab Students, Cairo.  
 169. Arab Quarters, Cairo.  
 170. In Rhine-Land.  
 171. Towing in the Prize.  
 172. Wisby, Twilight.  
 173. Stockholm.  
 Rosen, Count G. von, Prof., Stockholm.  
 174. Six Etchings.  
 Zorn, And. L., Paris.  
 175. Statuette of my Grandmother. (Wood.)  
 176. Etchings.

## GROUP 144.

## Chalk, Charcoal, Pastel and Other Drawings.

- Andren, V., Stockholm.  
 177. Views and Characters from Stockholm.  
 H. R. H. Prince Eugen, of Sweden and Norway; Stockholm.  
 178. Summer Day.  
 Jansson, Eug., Stockholm.  
 179. Venus.  
 Liljefors, Bruno, Upsala.  
 180. Eight Drawings.  
 Nordstrom, Karl, Hoga, Bohuslan.  
 181. Night.  
 182. Moonrise.  
 183. Dawning.  
 184. Moonlight.  
 Wallander, Alf., Stockholm.  
 185. A Poulterer.  
 186. Evening Sun.  
 187. Coffee Party Sixty Years Ago.

## GROUP 145.

Antique and Modern Carvings; Engravings in Medallions or in Gems, Cameos, Intaglios.

- Norman, A. E.  
 188. Columbus' Arrival in America. (Carved with pen-knife from a solid block of hardwood.) In Swedish Pavilion.

# ITALY.

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Royal Special Commissioner for the Fine Arts.

ANGELO DEL NERO,

339 Michigan Avenue.

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For information, prices and copyrights please apply to the Italian Official Agent,  
Fine Art Building, West Annex, Room 76.

## ITALY.

GROUP 139.  
Sculpture.Exhibit  
No.**Albacini, A., Rome.**

1. Roman Type. (Marble bust.)
2. Pompeian Flower Girl. (Marble statuette.)
3. Pompeian Water Girl. (Marble statuette.)
4. Innocence. (Marble statuette.)
5. Bathing Woman. (Marble statue.)
6. Roman Type. (Marble bust.)

**Allegretti, A., Rome.**

7. Eve After Sin. (Marble statue.)

**Andreoni, O., Rome.**

8. Ruth. (Marble statue.)

9. Flora. (Marble statue.)

10. Cupid in Ambush. (Marble group.)

**Apolloni, A., Rome.**

11. Beatrice. (Marble medallion.)

12. Hon. Chauncey M. Depew. (Marble bust.)

13. Mrs. Julia Ward Howe. (Marble bust.)

14. Plaster Cast of Robert Burns' Monument.

15. Original Design in Plaster for a monumental fountain—Man Struggling with Marine Monsters.

16. Love's Dream. (Marble head.)

17. Mother Most Pure. (Plaster statue.)

18. American Mythology. (Marble statue.)

**Argenti, G., Milan.**

19. Martyr. (Marble statue.)

20. Modesty. (Marble bust.)

**Astorri, E., Milan.**

21. Lucy. (Marble bust.)

22. Friendship. (Marble group.)

23. Serenade. (Marble statuette.)

24. Minstrel. (Marble statuette.)

**Barbella, C., Castellamare Adriatico.**

25. Noli Me Tangere. (Plaster bust.)

26. Love Song. (Bronze group.)

27. Departure. (Bronze group.)

28. Return. (Bronze group.)

29. Alone. (Bronze group.)

30. Believe Me. (Bronze group.)

31. Harmony. (Bronze group.)

32. Boum. (Silvered bronze statuette.)

Exhibit

No.

33. More! More! (Silvered bronze statuette.)

34. Farewell of the Bride. (Bronze group.)

**Bardi, A., Carrara.**

35. Europe. (Marble statue.)

36. Asia. (Marble statue.)

37. America. (Marble statue.)

38. Africa. (Marble statue.)

39. Mechanics. (Marble statue.)

40. Genius of Science. (Marble statue.)

41. Labor. (Marble statue.)

42. Physics. (Marble statue.)

43. Fidelity. (Marble statue.)

44. Sea Nymph. (Marble statue.)

45. Angel of Resurrection. (Marble statue.)

46. Flower Girl. (Marble statuette.)

**Bastiani, Florence.**

47. During the Vintage. (Marble group.)

48. The Return from the Feast. (Bronze group.)

**Bazzaro, E., Milan.**

49. At the Cafe Chantant. (Bronze statuette.)

50. Bedouin Mother. (Bronze group.)

**Bertone, A., Florence.**

51. Fruit Seller. (Marble statue.)

**Biondi, E., Rome.**

52. Mena. (Bronze head.)

53. Cicillo. (Bronze head.)

54. On a Spree. (Bronze group.)

55. Remembrance. (Bronze statuette.)

56. Bad Luck. (Bronze statuette.)

57. Concetella. (Bronze statuette.)

58. Gennarina. (Bronze statuette.)

59. Rosetta. (Bronze statuette.)

60. Oriental Tales. (Bronze statuette.)

61. Triclinium. (Bronze group.)

62. Christmas Eve. (Bronze group.)

63. In the Desert. (Bronze group.)

64. Arab Family Traveling. (Bronze group.)

**Bistolfi, L., Rome.**

65. American Flag. (Marble bust.)

66. Companions in Misfortune. (Marble group.)

67. Portrait of Prof. T. (Plaster bust.)

68. Portrait of Mr. \*\*\*. (Plaster bust.)

69. Portrait of Mrs. \*\*\*. (Plaster bust.)

## Sculpture

- A., Rome.  
 ca. (Marble statue.)  
 Communion. (Marble bust.)  
 ciss. (Marble statue.)  
 dance. (Marble statuette.)  
 a. (Marble statuette.)  
 . (Marble statuette.)  
 ng. (Marble statuette.)  
 ure. (Marble statuette.)  
 ecture. (Marble statuette.)  
 ., Paris.  
 (Marble statue.)  
 Milan.  
 o. (Marble and bronze bust.)  
 ak. (Marble and bronze bust.)  
 el. (Marble and bronze bust.)  
 il. (Marble statue.)  
 Tom. (Marble and bronze bust.)  
 (Marble and bronze bust.)  
 ), Florence.  
 nal Love. (Marble group.)  
 un.  
 (Marble bust.)  
 nope. (Bronze medallion.)  
 ulermo.  
 Boy. (Terra cotta statuette.)  
 re Slaves. (Terra cotta group.)  
 boy. (Terra cotta statuette.)  
 Rome.  
 (Marble medallion, relief.)  
 Marble medallion, relief.)  
 Naples.  
 Son. (Terra cotta head.)  
 Pordenone.  
 (Plaster statue.)  
 Venice.  
 (Bronze relief.)  
 Rome.  
 Dying. (Marble statue.)  
 (Marble statue.)  
 rence.  
 ave. (Marble statue.)  
 G., Milan.  
 Guide. (Bronze statue.)  
 lan.  
 . (Marble bust.)  
 ciosa. (Marble bust.)  
 (Marble bust.)  
 linata. (Marble bust.)  
 . (Bronze bust.)  
 nona. (Bronze bust.)  
 , Milan.  
 (Plaster statue.)  
 e. (Marble bust.)  
 y Sweeper. (Marble bust.)  
 ain. (Marble statue.)  
 d. (Marble statuette.)  
 sing. (Marble bust.)  
 upper. (Marble bust.)
- Exhibit No.  
 113. Arianna. (Marble statue.)  
 114. Arianna. (Bronze statuette.)  
 115. The First Pose. (Bronze statue.)  
 116. Ophelia. (Bronze statuette.)  
 117. Gluttony. (Marble statue.)  
 118. Providence. (Marble statue.)  
 119. A Flower Among Flowers. (Marble statuette.)  
 120. Stolen Pleasure. (Bronze group.)  
 121. Mignon. (Bronze statuette.)  
 122. Mignon. (Marble statuette.)  
 123. Archangel Gabriel. (Marble statue.)  
 124. Wealth. (Bronze relief.)  
 125. Past, Present and Future. (Plaster group—project for a clock.)  
 126. Communion. (Small group in marble.)  
 Gaglianolo, V., Messina.  
 127. Rosa Donato, Sicilian Heroine. (Plaster bust.)  
 Gonnella, E., Milan.  
 128. Curiosetta.  
 129. Michelagnolo. (Marble statue.)  
 130. The Love Letter. (Marble statue.)  
 Lavezzari, V., Genoa.  
 131. The Fisher Boy. (Marble statue.)  
 Luzi, A., Rome.  
 132. Trasteverina. (Bronze bust.)  
 133. Sortie de Bal. (Bronze statuette.)  
 134. Arab Shepherd. (Terra cotta bust.)  
 135. President Cleveland. (Plaster bust.)  
 Maccagnani, E., Rome.  
 136. Isn't it Cold? (Bronze statue.)  
 Maltoni, A., Ravenna.  
 137. Disinherited. (Plaster group.)  
 Monzini, G., Clivio.  
 138. Butterfly. (Marble bust.)  
 139. Modesty. (Marble bust.)  
 Mariani, Adelaide, Rome.  
 140. Sappho. (Marble statue.)  
 Nelli, A., Rome.  
 141. H. M. King Humbert I. (Bronze bust.)  
 142. Spring. (Bronze bust.)  
 143. Satyr Unmasked. (Bronze statue.)  
 144. Ishmael. (Bronze statue.)  
 Olivari, G., Genoa.  
 145. A Wreath. (Bronze.)  
 Pardo, V., Rome.  
 146. Christopher Columbus. (Bronze bust.)  
 Pellini, E., Milan.  
 147. Urchin. (Marble statue.)  
 Quadrelli, E., Milan.  
 148. Giuseppe Verdi. (Bronze statuette.)  
 Ramazzotti, S., Padova.  
 149. The Poor Flower Girl. (Marble statue.)  
 150. Springtime Song. (Marble bust.)  
 151. Dream. (Bronze bust.)  
 Rota, Genoa.  
 152. Monk Reading. (Marble statue.)

## Sculpture, Bronze Reproductions.

Exhibit  
No.

- Soeboeck, F., Rome.  
 153. Faun and Bacchante.  
 Soldini, A., Milan.  
 154. A Thought. (Marble bust.)  
 Spagolla, G., Cremona.  
 155. First Words. (Marble statue.)  
 Spalmack, O., Rome.  
 156. Perceat! (Marble group.)  
 157. Romeo and Juliet. (Marble group.)  
 Spertini, G., Milan.  
 158. The Volunteer. (Marble statuette.)  
 Tabacchi, O., Turin.  
 159. Baigneuse.  
 160. Tuffolina.  
 Trentanove, G., Florence.  
 161. Mrs. Alfred G. Harrison. (Marble bust.)  
 162. The Last of the Spartans. (Marble statue.)  
 Troubetskoy, P., Milan.  
 163. Model of Garibaldi Monument. (Bronze group.)  
 164. Indian Warrior. (Bronze group.)  
 165. Bedouin, with Camel. (Bronze group.)  
 166. Regrets. (Bronze group.)  
 167. Indian Scout. (Bronze group.)  
 168. Model of Dante Monument. (Bronze statuette.)  
 169. Bedouin Steed. (Bronze group.)  
 170. Arabian Steed at Rest. (Bronze statuette.)  
 171. The Times. (Bronze statuette.)  
 Ventura, A., Milan.  
 172. Incroyable. (Marble statuette.)  
 Ximenes, A., Palermo.  
 173. Caught! (Bronze statue.)  
 Zocchi, C., Florence.  
 174. Rebecca. (Marble statuette.)

## Bronze Reproductions

Of Classical Bronzes from the Excavations at Pompeii and Herculaneum, from the Originals in the National Museum at Naples.

175. Jug with Figure.  
 176. Sappho.  
 177. Head of Dante.  
 178. Venus Anadyomene.  
 179. Stag's-head Cup.  
 180. Juno Vase.  
 181. Eagle Jug.  
 182. Sea-horse Jug.  
 183. Jug with Satyr.  
 184. Jug with Faun.  
 185. Cupid and Dolphin.  
 186. Human-foot Lamp.  
 187. Doryphorus.

Exhibit  
No.

188. Silenus Lamp.  
 189. Dolphin Lamp.  
 190. Cupid and Goose Lamp.  
 191. Satyr and Pan-pipe Lamp.  
 192. Berenice.  
 193. Goat's Jug.  
 194. Ram's-head Jug.  
 195. Archytas.  
 196. Apollo Vase-handle.  
 197. Bat Lamp.  
 198. Victory.  
 199. Abundance.  
 200. Cupid with Goose.  
 201. Cupid with Dolphin.  
 202. Ruvo Cup.  
 203. Medasa Vase-handle.  
 204. Ivy-leaf Cup.  
 205. Epicurus (named).  
 206. Venus at her Toilet.  
 207. Fawn with Wine-skin.  
 208. Small Jug.  
 209. Three-light Lamp.  
 210. Alexander.  
 211. Amazon.  
 212. Scipio Africanus.  
 213. Tripod—Satyr.  
 214. Tripod—Isiac.  
 215. Candelabrum.  
 216. Bearded Dionysius.  
 217. Lucius Cæcilius Jucundus.  
 218. Gazelle.  
 219. Gazelle.  
 220. Fortune on the Globe.  
 221. Campanello (Gong).  
 222. Angler.  
 223. Mercury of Gian Bologna.  
 224. Wrestler or Runner.  
 225. Wrestler or Runner.  
 226. Laughing Faun.  
 227. Agrippina.  
 228. Hercules Taming Stag.  
 229. Amazon on Horseback.  
 230. Mercury in Repose.  
 231. Gladiator's Armor (3 pieces).  
 232. Ornament for Door (Medusa's Head).  
 233. Ornament for Door (Medusa's Head with Tongue Out).  
 234. Statuette of Apollo with Lyre.  
 235. Dancer.  
 236. Dancer.  
 237. Dancer.  
 238. Dancer.  
 239. Dancer.  
 240. Dancer.  
 241. Sleeping Faun.  
 242. Borghese Faun.  
 243. Adoration.  
 244. Ptolemy Lathros.  
 245. Ptolemy I—Soter.

## Bronze Reproductions, Paintings in Oil.

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emy Alexander.  
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narchus. (Inscription.)  
Citiacus.  
ic Apollo.  
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ocritus.

ken Faun.  
with Dog.  
with Wine-skin.  
with Wine-skin.  
tte of Faun.  
with Mask.  
with Cup.  
with Vase.  
with Dolphin.  
with Wine-skin.  
ard.  
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ir Vase.  
Hermaphroditic.  
and Bacchus.

## GROUP 140.

## Paintings in Oil.

., Chicago.  
Sweet Note!  
Chicago.  
s.  
., Milan.  
llage Fête.  
., Modena.  
ater.  
ain is Coming.  
From Nature.  
From Nature.  
From Nature.  
Rome.  
Roman Apennines. (Lake of

Exhibit  
No.

- Battaglia, D., Naples.  
294. Stable with Cattle.  
295. Pergolese Rehearsing his Stabat.  
Battistini, L., Coimbra.  
296. Labor and Death.  
Bazzani, L., Rome.  
297. At the Fountain. (Pompeii.)  
298. In the Peristilium. (Pompeii.)  
Bazzaro, L., Milan.  
299. Second Nurse.  
300. Remembrances.  
Belimbau, Leghorn.  
301. The Lady of The Pearls.  
Berti, G., Venice.  
302. On the Banks of the Brenta, after  
Child's Harold's Pilgrimage.  
Bertolotti, C., Milan.  
303. The Giddy Monk  
304. Louisa.  
Boldini, G., Paris.  
305. Portrait of a Girl.  
306. Portrait of a Lady.  
307. Portrait of Miss ———  
308. An Extra Team.  
Bompiani, A., Rome.  
309. Southern Flowers.  
310. Playing Truant.  
311. On the Sly.  
Bordignon, N., Venice.  
312. At the Country Inn  
313. Emigrants.  
314. Mathilda.  
Bottero, G., Turin.  
315. Boatmen's Canal.  
316. Mestre Canal.  
317. The Jurors.  
Bruenn, L., Rome.  
318. A Summer Afternoon in a Roman Villa  
319. The First Born.  
320. Music Hath Charms.  
Capone, G., Maiori.  
321. Curiosity. (Costume of Maiori)  
322. Summer.  
323. Winter.  
324. Hush! There is Sister.  
325. A Good Piece of Game  
Carcano, F., Milan.  
326. Venice From the Lagoon.  
327. Sunset at Spezia.  
328. Lombard Plain.  
329. Harvest of Indian Corn.  
330. Procession.  
331. Iseo Lake.  
332. The Believers.  
333. Environs of Genoa.  
334. By the Window.  
335. Fall of the Ballean.  
336. The Snow Fall at Pescarenico.  
337. Rest of Fishermen at Chioggia.

## Paintings in Oil.

## Exhibit

- No.  
 338. Ten Studies.  
 339. Twelve Studies.  
 Ciardi, G., Venice.  
 340. Southwest Wind.  
 341. Spring Clouds.  
 342. Basin of St. George.  
 343. Sunset at Venice.  
 344. On the Lagoon.  
 345. Canal of St. Marc.  
 Coen, S., Venice.  
 347. Girl of the People (Venice).  
 Coleman, F., Rome.  
 348. Queen Catherine of England.  
 Conconi, L., Milan.  
 349. Declaration of Love.  
 Corelli, A., Rome.  
 350. In the Woods.  
 351. The Angelus on St. Peter's Day.  
 (Roman Harvest).  
 Corrodi, H. Rome.  
 352. The Convent of St. Lazzaro.  
 353. Overflow of the Nile at the Pyramids.  
 354. The Tower of Charles V at Spezia.  
 355. Fishermen at Their Shrine.  
 Corteggiani, M., Palermo.  
 356. Capucin's Catacombs.  
 Costa, A., Genoa.  
 357. Side of St. Lorenzo Cathedral in Genoa.  
 D'Andrea, F., Venice.  
 358. Flora.  
 359. Surprised.  
 Dall'Oca, Bianca A., Verona.  
 360. The Quadrille.  
 DaMolin, O., Venice.  
 361. At the Pawn Shop.  
 362. The Ill Fed.  
 DeMartini, G., Naples.  
 363. Flower Market at Pompeii.  
 De Matteis, A., Chicago.  
 364. Fruit.  
 365. Fruit.  
 Denza, Ciro, Naples.  
 366. A Bit of the Bay of Naples.  
 367. Sunset on the Bay of Naples.  
 DeTommasi, P., Rome.  
 368. Golden Dreams.  
 Dovera, A., Milan.  
 369. Marine.  
 370. Marine.  
 371. Marine.  
 372. Marine.  
 373. Lake Maggiore.  
 374. Lake Maggiore.  
 375. Marine.  
 376. Marine.  
 Dovizielli, C., Rome.  
 377. Still Life—Game and Fruit.  
 378. Still Life—Fish.

## Exhibit

- No.  
 Fedrighini, P., Savigliana.  
 379. The Niagara Falls.  
 380. The Niagara Rapids.  
 Ferrara, O., Naples.  
 381. Faith.  
 Fragiaco, P., Venice.  
 382. Idyl on the Lagoon.  
 383. Little Amalia.  
 384. Summer Clouds.  
 Gabrini, P., Rome.  
 385. At Sea.  
 386. The Landing of Columbus.  
 Gasperini, L., Venice.  
 387. Golden Wedding.  
 388. Eviction.  
 Guardabassi, F. M., Perugia.  
 389. His Holiness Leo XIII. The large portrait, painted from life in the Vatican, January, 1893.  
 Guardabassi, G., Rome.  
 390. The Mayor's Wedding.  
 391. The Old Gipsy's Prediction.  
 Guerra, A., Badia di Cave.  
 392. Beatrice Cenci's Last Moments. The Historical Call in Castle St. Angelo.  
 393. Raphael and the Cardinal Sigismondo Conti.  
 394. Roman Flower Girl.  
 395. The Fortune Teller.  
 396. Capri Girl.  
 397. The Sanctuary of Cava dei Tirreni.  
 Guerrieri, A., Florence.  
 398. Love and Curiosity.  
 Joris, P., Rome.  
 399. Afternoon in the Villa Pamphili, Rome.  
 400. Grandfather's Birthday.  
 Juglaris, T., Milan.  
 401. The Prayer on the Mountain.  
 Lancerotto, L., Venice.  
 402. Regatta at Venice.  
 403. Madonna.  
 404. Vanity Fair.  
 Lessi, Tito, Florence.  
 405. The Bibliophiles.  
 Lombardo, Calamia G., Palermo.  
 406. Temple of Segesta, Sicily.  
 Malaspina, A., Milan.  
 407. Shepherd.  
 408. Swiss Mail Coach.  
 Mancini, F., Naples.  
 409. Charge of Cavalry.  
 Mariani, C., Rome.  
 410. Celestial Harmony.  
 411. Io Triumphant.  
 Mariani, P., Monza.  
 412. Sunset in Liguria.  
 Mariotti, F., Chicago.  
 413. Portrait of Mrs. E. B.

## Paintings in Oil and Water Colors.

aria, Rome.

., Venice.  
 andscape.  
 nice.  
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 aples.

Ravenna.  
 l Anticipations.  
 You Like My Reson  
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Venice.  
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 Milkwoman.  
 Iempione Gate.  
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Exhibit  
 No.

Savini, A., Bologna.

451. Post Nubile Phœbus.

452. A Child of the Fields.

Simoni, G., Rome.

453. Algerian Woman on the Terrace.

Spiridon, T., Rome.

454. Sappho.

455. Follette.

Tano, E., Florence.

456. Tuscan Farm.

Tarenghi, E., Rome.

457. Contemplation.

Tiratelli, A., Rome.

458. Flock of Sheep on the Roman Campagna.

Tromboni, A., Naples.

459. The Cow Herds.

Van Elven, P. T., Milan.

460. Caravan by the Dead Sea.

461. Market at Chaumont.

Vollaro, P., Naples.

462. A Moment of Leisure.

Wolf, Venice.

463. Grandmama's Story.

464. Flirtation.

465. Venetian Girl.

466. Gipsy.

467. Spring.

468. Summer.

Zanetti, M. G., Venice.

469. The Public Gardens of Venice.

470. The Island of Malamocco and Torcello.

471. Canal of Torcello.

↑ ↑ ↑ ↑

472. Moorish Courtyard.

↑ ↑ ↑ ↑

473. Tiger's Head (Male).

474. Tiger's Head (Female).

475. Bull's Head.

476. Cow's Head.

## GROUP 141.

## • Paintings in Water Colors.

Aureli, G., Rome.

477. Presentation of Monseigneur de Richelieu to Henri IV of France.

Battaglia, A., Rome.

478. Mower Girls in the Campagna.

Corelli, A., Rome.

479. Woman of Latium.

480. Man of Latium.

481. Serenata.

Crisafi, N., Palermo.

482. Monte Pellegrino. (Palermo.)

483. Guadagna on River Oreto.

## Paintings in Water Colors, Pastel Drawings, Decorative Works.

Exhibit  
No.

De Tommasi, P., Rome.

484. Making Ready for the Procession.

485. Puzzled.

Guardabassi, G., Rome.

486. Scholar Monk.

487. Holy Water Cup, St. Peter's Church,  
Rome.

Martinetti, Maria, Rome.

488. Beggar.

Nobili, R., Florence.

489. Service of St. Marc's, Venice.

Pennacchini, D., Rome.

490. The Lost Child.

491. Tarantella.

Simoni, G., Rome.

492. Fruit Market at Sorrento.

493. The Last Day of the Ramadan.

Tiratelli, C., Rome.

494. The Patron Saint's Day.

## GROUP 144.

## Pastel Drawings.

Exhibit  
No.

Capranica Grillo, G.

495. Nennella.

496. Thecla.

497. Truth.

Da Molin, O., Venice.

498. Fisher's Head.

## DECORATIVE WORKS.

Brugo &amp; Pagliel, Rome.

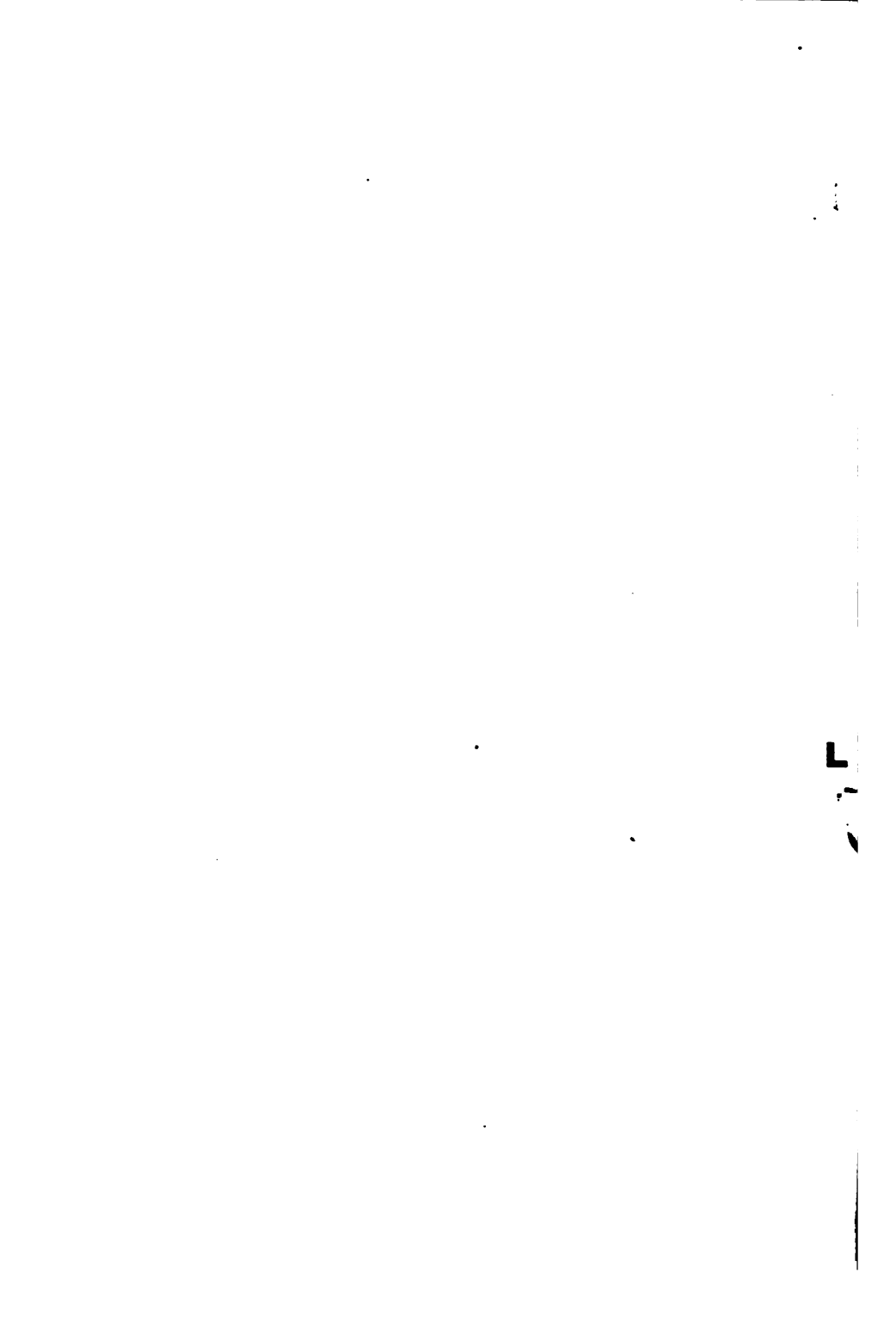
499. Toilet of Venus. (Imitation of Tape-  
stry, after Boucher.)500. Bacchus and Ariadne. (Imitation of  
Tapestry, after Boucher.)The originals of Nos. 499 and 500 are in  
the Quirinal Palace, Rome.

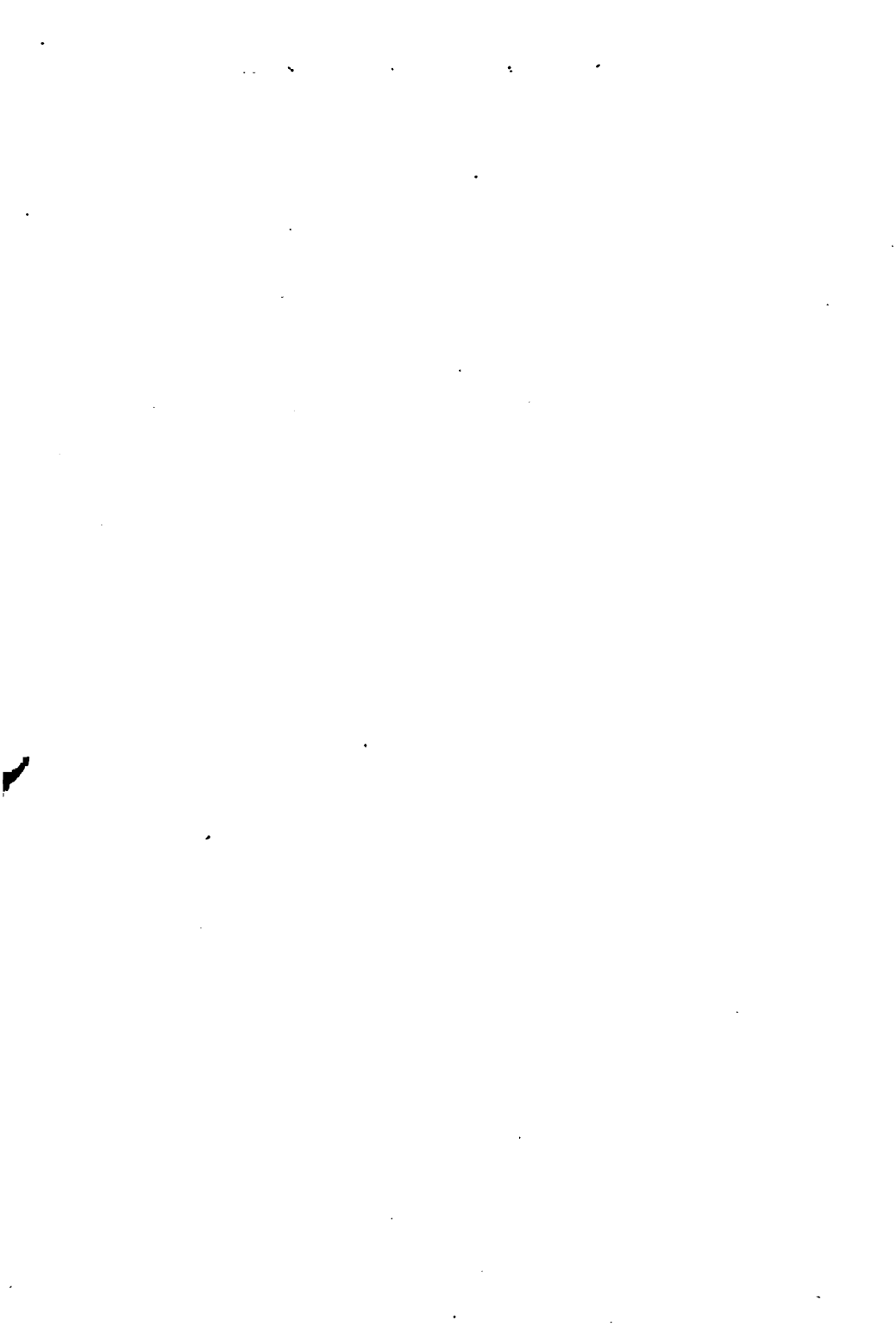
Brenda &amp; Simonetti, Roma.

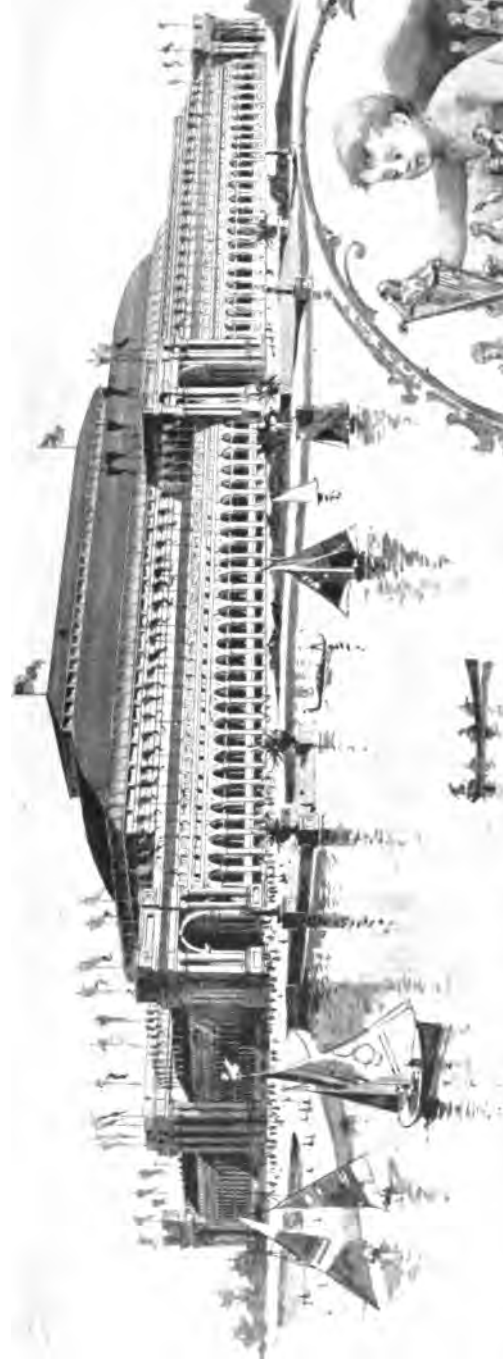
501. The Agreeable Lesson.

502. The Mysterious Basket.

503. Bacchus and Venus.







*Manufactures and Liberal Arts*



W. & A. G. & Co. Engrs.



# d's Columbian Exposition

1893

## OFFICIAL CATALOGUE

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### PART XI.

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## FACTURES AND LIBERAL ARTS BUILDING

## DEPARTMENT L—LIBERAL ARTS

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ARCHITECTURE, COMMERCE, RELIGIOUS ORGANI-  
ZATIONS, CHARITIES AND  
CORRECTION, MUSIC.

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SELIM H. PEABODY. CHIEF.

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W. B. CONKEY COMPANY  
PUBLISHERS TO THE WORLD'S COLUMBIAN EXPOSITION  
1893

World's Columbian Exposition

1893

# OFFICIAL CATALOGUE

Part II

MANUFACTURES

DEPARTMENT I

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AND DEPARTMENT OF THE

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ARCHITECTURE, CONSTRUCTION,

NATIONAL CHARACTERS,

CONSTRUCTION, AND

SELIM H. FLETCHER, CHIEF

THE DEPARTMENT OF THE PHYSICAL APPARATUS,  
AND DEPARTMENT OF THE

CHICAGO  
W. B. CONKEY COMPANY,  
PRINTERS AND BINDERS

RELATIVES TO THE  
CHICAGO.

# MANUFACTURES AND LIBERAL ARTS BUILDING.

## DEPARTMENT OF LIBERAL ARTS.

Dimensions, 1,687 by 787 feet. Height of walls, 66 feet. Height of four center pavilions, 22 feet. Height of four corner pavilions, 97 feet. Height of roof over central hall, 212.9 feet. Height of roof-truss over central hall, 212.9 feet. Height clear, from the floor, 212.9 feet. Span of truss, 382 feet. Span in the clear, 384 feet. Width of truss at base, 14 feet. Height of truss at apex, 10 feet. Weight of truss, 300,000 pounds; with purlins, 400,000 pounds. Ground area of building, 34.47 acres. Floor area, including galleries, 1,687,000 sq. ft. Cost, \$1,700,000. Material 17,000,000 feet of lumber; 12,000,000 pounds of steel for central hall; 2,000,000 pounds of iron in roof of nave. Architect, Geo. B. Post, New York.

The building is rectangular in form, and the interior is divided into a great central hall 9 by 1,280 feet, which is surrounded by a nave 107 feet wide. Both hall and nave are covered by a 50-foot gallery extending entirely around them.

The building is in the Corinthian style of architecture, and in point of being severely classic excels all the other large edifices. The long array of columns and arches which its façades present is relieved from monotony by the grand entrances, which are designed in the form of triumphal arches, the central archway of each being 49 feet wide and 80 feet high. Surmounting these portals is the great attic story, ornamented with sculptured panels 18 feet high, and on each side above the arches are great panels with inscriptions. The side arches are filled with sculptured figures in bas-relief. At each corner of the main hall are pavilions designed in harmony with the great portals.

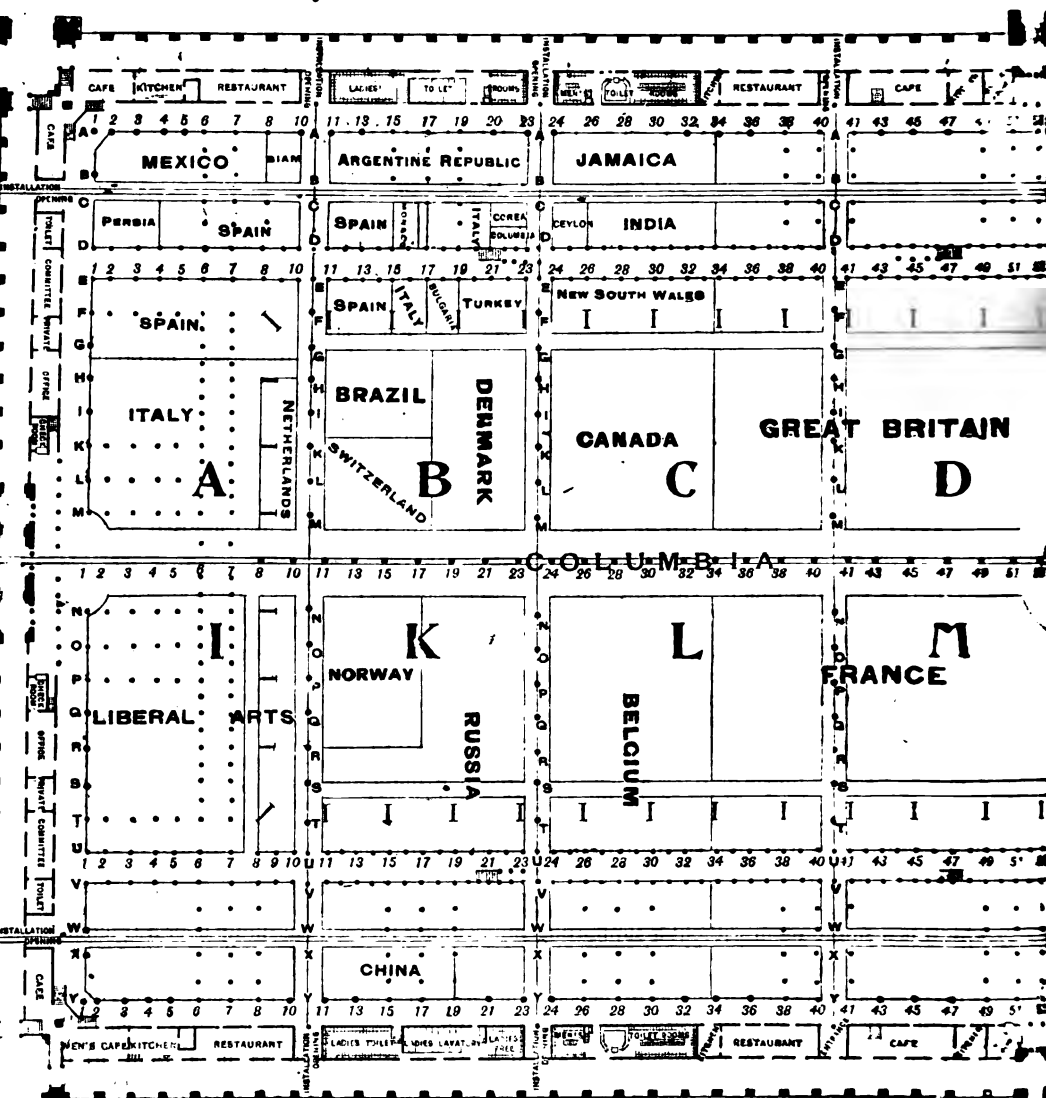
The domes on either side of the main archways, eight in number, are magnificently decorated by leading American artists, the subjects being allegorical figures representing Art and Sciences. Extending all around the building is a spacious colonnade nearly a mile long, which looks out upon the lake or lagoon, and forms a cool retreat for the tired visitor. The exterior of the building is covered with staff, which is treated to represent marble, and the columns and window arches are apparently of this material.

This building is the largest in the world, and is the largest under roof ever erected. Its unparalleled size makes it one of the architectural wonders of the world. The central hall, which is a single room without a supporting pillar under its roof, has in its floor a fraction of an acre, and 75,000 persons can sit in this room, giving each one six square feet of space. By the same arrangement, the entire building will seat 300,000 people. It is entirely possible to mobilize the standing army of Russia under its roof. The Auditorium is the most notable building in Chicago, but twenty such buildings could be placed on the floor. There are 11 acres of skylights and 40 carloads of glass in the roof. There are 11 main trusses in the roof of the central hall, and it required 600 flat cars to bring them from the iron works to Chicago. These trusses are twice the size of the next largest in the world, which are 90 feet high and span 250 feet. The latter are in the Pennsylvania station at Jersey City.

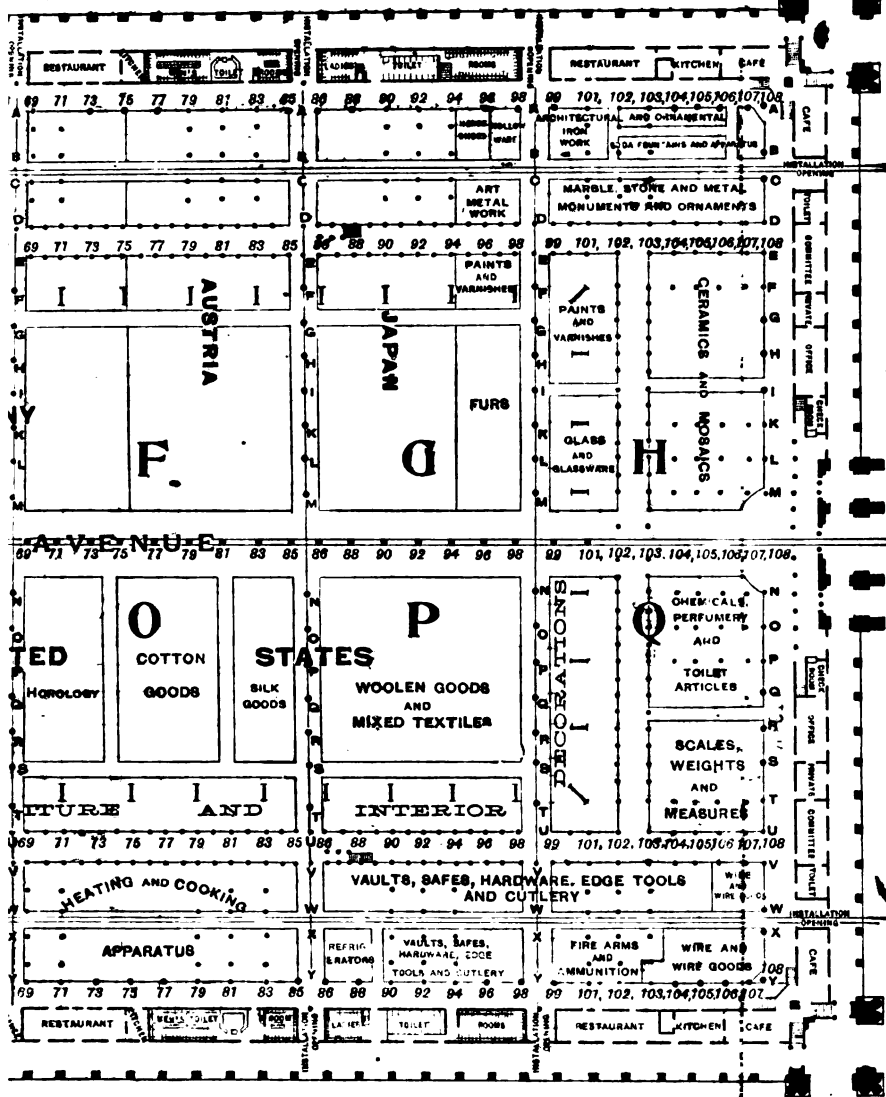
## KEY TO INSTALLATION.

The exhibits in the Liberal Arts department occupy all of the gallery space, except Sections F and G, which are devoted to exhibits in the department of Manufactures. The Liberal Arts department also occupies Section I, in the southeast corner, on the corner, where all musical instruments are installed. The sections in the gallery are marked from A to K, for the purpose of locating exhibits. The gallery columns are numbered south to north, or lengthwise with the building, from 1 to 108, and the cross columns east to west are lettered from A to Z, west to east. The letter and number following an exhibit in the catalogue indicate the intersecting point of the column lines of the exhibit. The location sign "Gal. A, F-19" means that the exhibit is in Section A at the point where Column F and Column 19 meet.

The location of foreign exhibits is indicated under their entry in the catalogue.



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WORLD'S COLUMBIAN EXPOSITION,  
MANUFACTURES AND LIBERAL ARTS BUILDING.



# to Find Exhibitors and Their Exhibits.

st of exhibitors from the United States will be found in the first portion of this the foreign countries with their exhibits installed in the Liberal Arts portion of res and Liberal Arts Building following in alphabetical order. Each country hibits numbered consecutively, and as far as practicable each exhibit has a ed to it bearing the name of the country and the words "Official Catalogue and that number corresponds with the number in this Catalogue. For example, found with the following matter thereon:

Department L. Liberal Arts.

United States.

Official Catalogue Number 806

will turn to 306 in the United States portion of the Catalogue, where will be following entry:

**306. Good Health Publishing Company,**  
Battle Creek, Mich. Books, pamphlets,  
etc. Gal. E, E-104 854

be that the visitor's attention is first directed to the Catalogue and he may beinding this exhibit. The first thing he should do is to see what the location is. Gal. E, E-104 he will refer to the Key to Installation, which states, that theie Liberal Arts department occupy all of the gallery space, except Sectionsich are devoted to exhibits in the department of Manufactures; that the Libpartment also occupies Section I, in the southeast corner, on the main floor,ysical instruments are installed. The sections in the gallery are lettered frome columns are numbered from south to north, or lengthwise with the building, , and the cross columns from west to east are lettered from A to Z. It willthat the exhibit of the Good Health Publishing Company will be found inthe gallery at the point where columns E and 104 meet; or in other words, n be located in Section E at the corner of "E and 104th streets."

; number 854 serves many purposes, and one especially. A visitor, for inlike to see all the exhibits of books, pamphlets, etc., in Liberal Arts depart- immediately turns to the classification grouping, where he will read in group the following: Books and literature, with special examples of typography,inding. General works—philosophy, religion, sociology, philology, naturalul arts, fine arts, literature, history and geography; cyclopedias, magazinesers; bindings, specimens of typography. He then refers to the list ofler group 150 and by glancing down the right hand side for 854 finds all abetically arranged who are exhibiting books, pamphlets and other articles that class.

applies to every exhibit in the Liberal Arts department, whatever its char-and by following the above plan the visitor will experience no difficulty inhibitor or his exhibit.

on should be paid to any numbers which may be affixed to exhibits exceptg on cards in the form given above.

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16	Minneapolis School of Fine Arts .....	A, F-5
90	Minnesota .....	A, A-7
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73	Mount Holyoke College .....	K, P-4
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chers' College.....	K, M-6
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s' College.....	K, N-4
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## DEPARTMENT L.

### LIBERAL ARTS—EDUCATION, LITERATURE, ENGINEERING, PUBLIC WORKS, MUSIC AND THE DRAMA.

#### GROUP 147.

##### PHYSICAL DEVELOPMENT, TRAINING AND CONDITION—HYGIENE.

- Class 824. The nursery and its accessories.
- Class 825. Athletic training and exercise gymnasiums; apparatus for physical development and of gymnastic exercises and amusement; skating, walking, climbing, ball-playing, wrestling, acrobatic exercises; rowing, hunting, etc. Special apparatus for training in schools, gymnasia; apparatus for exercise drill, etc.
- Class 826. Alimentation—food supply and its distribution; adulteration of food, market preparation of food, cooking and serving, school kitchens and arrangements for school canteens, methods of warming children's meals, etc. Dinner pails, or receptacles for carrying meals for school children, workmen and others. Restaurants, dining halls, refectories, etc.
- Class 827. Dwellings and buildings characterized by the conditions best adapted to health and comfort, including dwellings for workmen and factory operatives, houses and villages for operatives in connection with large manufacturing establishments, tenement houses, "flats," and suites of apartments, city and country residences, club-houses, school-houses; designs and models of improved buildings for elementary schools, infant schools and *creches*, court rooms, theatres, churches, etc.
- Class 828. Hotels, lodging-houses.
- Class 829. ☐ Public baths, lavatories; public and domestic hygiene. Sanitation—sanitary appliances and methods for dwelling-houses, buildings and cities. Direct renewal of air. Heating, ventilating, lighting, in their relation to health. Conduits of water and sewage. Drains and sewers. Sinks, night-soil apparatus, sanitary plumbing, walls, bricks, roofs, flooring, etc. Sanitary house decoration—non-poisonous paints and wall-papers, floor coverings, washables, decorations, etc.
- Apparatus for carrying off, receiving and treating sewage. Slaughter-house refuse, city garbage.
- Apparatus and methods for filtering water and cleansing water-courses.
- Apparatus intended for the prevention of infectious diseases. Methods, materials and instruments for purifying and destroying germs; disinfectors.
- Apparatus and fittings for warming, ventilating and lighting schools; school latrines, closets, etc.
- Special school fittings for storing and drying clothing.
- Precaution in schools for preventing the spread of infectious diseases; school sanitarium, infirmaries, etc.
- Class 830. Hygiene of the workshop and factory. (Classification modified from that of the London health exhibition.)
- Designs and models for improvement in the arrangement and construction of workshops, especially those in which dangerous or unwholesome processes are conducted.
- Apparatus and fittings for preventing or minimizing the danger to health or life from carrying on certain trades. Guards, screens, air-jets, preservative solutions, washes, etc.

Objects of personal use—mouth-pieces, spectacles, dresses, hoods, etc., for use in certain unhealthy and poisonous trades.

Illustrations of diseases and deformities caused by unwholesome trades and professions; methods of combatting these diseases; preservative measures, etc.

Sanitary construction and inspection of workshops, factories and mines; new inventions or improvements for ameliorating the condition of life of those engaged in unhealthy occupations; means for economizing human labor in various industrial operations.

Asylums and homes—asylums for infants and children; foundling and orphan asylums; children's aid societies. Homes for aged men and women; for the maimed and deformed; for soldiers and for sailors.

Treatment of paupers; alms-houses.

Treatment of aborigines; Indian reservations and homes.

Hospitals, dispensaries, etc.; plans, models, statistics. Shed hospitals for infectious fevers and epidemic diseases; tent hospitals; hospital ships; furniture and fittings for sick rooms.

Protective supervision—sanitary supervision; vaccination and its enforcement; isolation of contagious diseases; quarantine; prevention and elimination of animal epidemics.

Food inspection—treatment of adulterated foods; inspection and analysis; treatment of stale food substances; regulation of abattoirs, mills, etc.; regulation of sale of horses; protective devices.

Building inspection, etc.—building regulations and inspection; building drainage and plumbing; fire regulations, fire escapes, etc.

Personal inspection—color tests, etc.; professional examination for licenses.

Immigration—reception, care and protection of immigrants.

#### GROUP 148.

#### STRUMENTS AND APPARATUS OF MEDICINE, SURGERY AND PROSTHESIS.

Pharmacology, drugs, pharmacy, etc.—medicines, official (in any authoritative pharmacopœia) articles of the *matéria medica*, preparations unofficial. (See Group 87.)

Dietetic preparations intended especially for the sick. (For beef extracts, see Class 38.)

Instruments for physical diagnosis, clinical thermometers, stethoscopes, ophthalmoscopes, etc.

Surgical instruments, appliances, and apparatus, with dressings, anesthetics, antiseptics; obstetrical instruments, etc.

Prosthesis—apparatus for correcting deformities; artificial limbs.

Instruments and apparatus of dental surgery and prosthesis.

Vehicles and appliances for the transportation and relief of the sick and wounded, during peace or war, on shore or at sea. (See also Department G.)

#### GROUP 149.

#### PRIMARY, SECONDARY AND SUPERIOR EDUCATION.

Elementary instruction—infant schools and kindergartens. Descriptions of the methods of instruction, with statistics.

Primary schools, city and country—school-houses and furniture. Apparatus and fittings. Models and appliances for teaching, text-books, diagrams, examples. Specimens of work in elementary schools.

Domestic and industrial training for girls—models and apparatus for the teaching of cookery, housework, washing and ironing, needle-work and embroidery, dress-making, artificial flower-making, painting on silk, crockery, etc. Specimens of school work.

Handicraft teaching in school for boys—apparatus and fittings for elementary trade teaching in schools. Specimens of school work.

Science teaching—apparatus and models for elementary science instruction in schools. Apparatus for chemistry, physics, mechanics, etc.; diagrams, copies, text-books, etc.; specimens of the school work in the subjects.

- Class 846. Art teaching—apparatus, models and fittings for elementary art, instruction in schools; diagrams, copies, text-books, etc., specimens of art work, modeling, etc., in schools.
- Class 847. Technical and apprenticeship schools.—Apparatus and examples used in primary and secondary schools for teaching handicraft; models, plans and designs for the fitting up of workshop and industrial schools; results of industrial work done in such schools.
- Class 848. Special schools for the elementary instruction of Indians.
- Class 849. Education of defective classes—schools for the deaf, dumb, blind and feeble-minded; adult schools for the illiterate.
- Class 850. Public schools—descriptions, illustrations, statistics, methods of instruction, etc.
- Class 851. Higher education—academies and high schools. Descriptions and statistics. Colleges and universities. Descriptions, illustrations of the buildings, libraries, museums, collections, courses of study, catalogues, statistics, etc.
- Class 852. Professional schools— theology, law, medicine and surgery, dentistry, pharmacy; mining, engineering, agriculture, mechanic arts, art and design; military, naval, normal, commercial; music.
- Class 853. Government aid to education—national Bureau of Education—reports and statistics.

## GROUP 150.

## LITERATURE, BOOKS, LIBRARIES, JOURNALISM.

- Class 854. Books and literature, with special examples of typography, paper and binding. General works—philosophy, religion, sociology, philology, natural sciences, useful arts, fine arts, literature, history and geography; cyclopedias, magazines and newspapers; bindings, specimens of typography.
- Class 855. School books.
- Class 856. Technical industrial journals.
- Class 857. Illustrated papers.
- Class 858. Newspapers and statistics of their multiplication, growth and circulation.
- Class 859. Journalism, statistics of: with illustrations of methods, organization and results.
- Class 860. Trade catalogues and price lists.
- Class 861. Library apparatus; systems of cataloguing and appliances of placing and delivering books.
- Class 862. Directories of cities and towns.
- Class 863. Publications by governments.
- Class 864. Topographical maps. Marine and coast charts; geological maps and sections; botanical, agronomical, and other maps, showing the extent and distribution of men, animals and terrestrial products; physical maps; meteorological maps and bulletins; telegraphic routes and stations; railway and route maps; terrestrial and celestial globes, relief maps and models of portions of the earth's surface, profiles of ocean beds and routes of submarine cables.

## GROUP 151.

INSTRUMENTS OF PRECISION, EXPERIMENT, RESEARCH AND PHOTOGRAPHY;  
PHOTOGRAPHS.

- Class 865. Weights, measures; weighing and metrological apparatus.—Balances of precision, instruments for mechanical calculation, adding machines, pedometers, cash registers, water and gas meters, etc.; measures of length, graduated scales, etc.  
(For ordinary commercial forms, see also Group 112.)  
(For testing machines, see Class 490.)
- Class 866. Astronomical instruments and accessories.—Transits, transit circles, mural circles, zenith sectors, altazimeters, equatorials, collimators, comet-seekers.
- Class 867. Geodetic and surveying instruments.—Transits, theodolites, artificial horizons, surveyor's compasses, goniometers; instruments for surveying underground in mines, tunnels and excavations; pocket sextants, plane tables and instruments used with them; ship's compasses, sextants, quadrants, repeating circles, dip-sectors, etc.

8. Leveling instruments and apparatus—hand-levels, water-levels, engineers' levels, of all patterns and varieties; cathetometers, leveling staves, targets, and accessory apparatus.
9. Hydrographic surveying; deep sea sounding.
10. Photometric apparatus and methods.
11. Photographic apparatus and accessories. Photographs.
12. Meteorological instruments and apparatus, with methods of recording, reducing and reporting observations. Thermometers—mercurial, spirit, air; ordinary or self-registering, maximum and minimum. Barometers—mercurial, aneroid, aneroid, rain gauges, etc.
13. Chronometric apparatus—chronometers, watches of precision, astronomical clocks, church and metropolitan clocks, clepsydres, hour-glasses, sun-dials, chronographs, electrical clocks, metronomes. (For commercial clocks and watches, see also Group 99.)
- Optical and thermometric instruments and apparatus.
- Electric and magnetic apparatus. (See also Department J.)
- Acoustic apparatus.

### GROUP 154

#### CIVIL ENGINEERING, PUBLIC WORKS, CONSTRUCTIVE ARCHITECTURE.

- Land surveying, topographical surveying—surveys and locations of towns and cities, with systems of water supply and drainage.
- Surveys of coasts, rivers and harbors.
- Construction and maintenance of roads, streets, pavements, etc.
- Bridge engineering (illustrated by drawings and models).
- Bridge designing—drawings and charts, showing methods of calculating stresses.
- Foundations, piers, abutments and approaches of stone, wood, etc.
- Arch bridges of stone, wood or iron.
- Suspension bridges of fibre, iron chain and cable.
- Truss bridges of wood, iron and steel—pony, bow-string and plate girders, lattice girders, Fink, Bollman, Howe, Pratt, Warren, Post, Long, Whipple and other trusses of special design.
- Cantilever bridges, draw bridges, rolling and swinging machinery.
- Tubular bridges.
- Railway, aqueduct and other bridges of special design not elsewhere classed. (A chart showing date of completion, span, rise, weight and cost of the great bridges of the world, would be of interest.)
- Subaqueous constructions—foundations, piers, harbors, breakwaters, building of dams, water works and canals.
- Irrigation—irrigating canals and systems.
- Railway engineering—surveying, locating and constructing railways.
- Dynamic and industrial engineering—the construction and working of machines; examples of planning and construction of manufacturing and metallurgical establishments.
- Mine engineering—surveying underground, construction of tunnels, subaqueous tunnels, etc.; locating and sinking shafts, inclines and winzes; driving levels, draining, ventilating and lighting. (See also Department E.)
- Military engineering—construction of earth-works, breast-works and temporary fortifications.
- Permanent works—fortifications, magazines, arsenals, mines.
- Roads, bridges, pontoons, etc.; movement of troops and supplies.
- Constructive architecture—plans of public buildings for special purposes; large and small dwelling houses.
- Drawings and specifications for foundations, walls, partitions, floors, roofs and stairways.
- Estimates of amount and cost of material.
- Designs and models of special contrivances for safety, comfort and convenience in the manipulation of elevators, doors and windows, etc.
- Working plans of the mason, carpenter and painter; designs and models of bonds, arches, coping, vaulting, etc.; plastering and construction of partitions; painting and glazing.

- Plans of appliances for hoisting, handling and delivering building materials to artisans—scaffolding and ladders, special scaffolding for handling great weights; portable cranes and power elevators.  
 Illustrations of the strength of materials.  
 Plans and sections of special architectural forms. Metallic floor beams and girders; hollow bricks and other architectural pottery for heating and ventilation; metallic cornice and conduits, shingles and sheathing, glass roofs, floors and accessories, architectural hardware.  
 Methods of combining materials.  
 Protection of foundations, areas and walls against water.  
 Working plans for paving and draining.

## GROUP 153.

## GOVERNMENT AND LAW.

- Class 890. Various systems of government illustrated—government departments, legislative, executive and judicial.  
 Class 891. International law and relations—fac-similes of treaties, etc.  
 Class 892. Protection of property in inventions. Patent offices and their functions, statistics of inventions and patents.  
 Class 893. Postal systems and the appliances of the postal service. Letter-boxes, pouches, mail-bags, postage stamps, etc.  
 Class 894. Punishment of crime—prisons and reformatories, prison management and discipline, transportation of criminals, penal colonies, houses of correction, reform schools, naval or marine discipline, punishment at sea, police stations, night lock-ups, etc.; dress and equipment of prisoners, examples of convict workmanship.

## GROUP 154.

## COMMERCE, TRADE AND BANKING.

- Class 895. History and statistics of trade and commerce.  
 Class 896. Railway and transportation companies.  
 Class 897. Methods and media of exchange—money, coins, paper money, etc.  
 Class 898. Counting-houses, stores and shops—arrangement, furniture, fittings; methods of management, book-keeping, devices for distributing change and goods to customers.  
 Class 899. Warehouse and storage systems—grain elevators.  
 Class 900. Boards of Trade and their functions illustrated.  
 Class 901. Exchanges for produce, metals, stocks, etc.  
 Class 902. Insurance companies.  
 Class 903. Banks and banking—illustrations of buildings, interiors, methods and statistical information; clearing-houses, etc.; savings and trust institutions.  
 Class 904. Safes and vaults for storage of treasure and valuables; safe deposit companies.  
 Class 905. Book-keeping—books and systems of book-keeping and accounting, commercial blank forms, etc.  
 Class 906. Express companies, freighting, etc.

## GROUP 155.

## INSTITUTIONS AND ORGANIZATIONS FOR THE INCREASE AND DIFFUSION OF KNOWLEDGE

- Class 907. Institutions founded for the increase and diffusion of knowledge, such as the Smithsonian Institution, the Royal Institution, the Institute of France, British Association for the Advancement of Science, and the American Association, etc.; their organization, history and results.  
 Class 908. Academies of science and letters—learned and scientific associations, geological and mineralogical societies, etc.; engineering, technical and professional associations; artistic, biological, zoological, medical, astronomical societies and organizations.

## CLASSIFICATION.

19. Museums, collections, art galleries, exhibitions of works of art and industry; agricultural fairs, state and county exhibitions, national exhibitions, international exhibitions, international congresses.
0. Publication societies.
1. Libraries—public and private; statistics of operations.

### GROUP 156.

#### SOCIAL, INDUSTRIAL, AND CO-OPERATIVE ASSOCIATIONS.

2. Social organizations.—Clubs—political, military, university, travelers'; press clubs, science clubs, and others.
3. Political societies and organizations.
4. Workingmen's unions and associations.—Their organization, statistics and results.
5. Industrial organizations.
6. Co-operative trading associations.
7. Secret societies.
8. Miscellaneous organizations for promoting the material and moral well-being of the industrial classes.

### GROUP 157.

#### RELIGIOUS ORGANIZATIONS AND SYSTEMS.—STATISTICS AND PUBLICATIONS.

Religious organizations and systems.—Origin, nature, growth, and extent of various religious systems and faiths. Statistical, historical and other illustrations; pictures of buildings; plans and views of interiors.

Religions: music, choirs, hymnology.

Missionary societies, missions, and missionary work; maps, reports, statistics. Spreading the knowledge of religious systems by publications; Bible societies, tract societies, and their publications.

Systems and methods of religious instruction and training for the young; Sunday-schools, furniture, apparatus and books.

Associations for religious or moral improvement.

Charities and charitable associations connected with ecclesiastical societies.

### GROUP 158.

#### MUSIC AND MUSICAL INSTRUMENTS—THE THEATRE.

History and theory of music—music of primitive people. Crude and curious instruments. Combinations of instruments, bands and orchestras. Music books and scores. Musical notation.

History and literature of music. Portraits of great musicians.

Self-vibrating instruments—drums and tambourines; cymbals, triangles, gongs, castanets, "bones."

Bells, chimes and peals.

Bell-ringers' instruments. Musical glasses.

Glockenspiels, zylophones, marimbas.

Music boxes.

Stringed instruments played with the fingers or plectrum.

Lutes, guitars, banjos and mandolins.

Harps and lyres.

Zithers, dulcimers.

Stringed instruments played with the bow.

The violin.

The viol, viola, viola da gamba, viola di amore.

The violoncello and the bass viol.

Mechanical instruments—hurdy-gurdy and violin piano.

- Class 990.** Stringed instruments with key-board.—The piano-forte square, upright and grand.  
Actions and parts of a piano.  
The predecessors of the piano.—Clavicytherium clavicymbal, clavichord, manichord, virginal, spinet, harpsichord, and hammer harpsichord.  
Instruments and methods of manufacture.  
Street pianos.
- Class 991.** Wind instruments, with simple aperture or plug mouthpiece. The flute, flute-a-bec. Syrinx. Organ-pipes. Flageolet.
- Class 992.** Wind instruments, with mouthpiece regulated by the lips. The clarinet, oboe and saxophone.
- Class 993.** Wind instruments with bell mouthpiece, without keys. The trumpet (simple) and the bugle (oliphant.) Alpenhorn. The trombone (with slide and with finger-holes). The serpent, bassoon and bagpipe.
- Class 994.** Wind instruments with bell mouthpiece, with keys. Key bugles, cornets, French horns. Cornopeans, orphicleides.
- Class 995.** Wind instruments with complicated systems.  
The pipe organ.  
Reed organs, melodeons and harmonicas.  
Accordions, concertinas and mouth organs.  
Hand organs and organettes. Automatic organs, orchestrions, etc.
- Class 996.** Accessories of musical instruments—strings, reeds, bridges.  
Conductors' batons, drum-majors' staves. Mechanical devices for the orchestra.  
Tuning forks, pitch-pipes, metronomes, music stands, etc.
- Class 997.** Music in relation to human life—musical composers. Great performers.  
Great singers. Portraits. Biographies.  
Concerts and the concert stage.  
The opera. The oratorio. Masses.  
Church music and sacred music of all periods. Hymnology, ballads, folk-songs, and folk-music of all lands. National airs.
- Class 998.** The theatre and the drama. The stage. Plans and models of stages and theatres.  
History of the drama, so far as can be shown by literary record. Portraits of actors. Relics of actors.  
Playbills, etc. Costumes, masks, armor. Scenery. Appliances of illusion, etc. Plays of all ages and people.

# Department 6.--Liberal Arts.

## UNITED STATES.

### Physical Development, Training and Condition--Hygiene.

#### GROUP 147.

Development, Training and Condition--Hygiene.

#### OF HYGIENE AND SANITATION.

Exhibits in this Group are installed in the Department of the Anthropological Building, unless otherwise specified.

Library of Political Science, Philadelphia. Publications on hygiene. E, U-3 833

Wm. Canton Stoneware Agency, Canton, Ohio. Water filters. E, S-4 829

Frederick Stone Co., Chicago. Sanitary water troughs and appliances. E, T-4 829

Wm. H. M., & Co., Marietta, Ohio. Vaccines. E, W-4 833

Jas. F., Salem, Mass. Ventilation. Sec. E 829

Justed to and instantly removed window. It diffuses air, which is cooled or increased in volume and at any angle. Recommended by teachers and housekeepers. April 11, 1893.

Can. Book Co., New York. Publications. E, U-3 833

Can. Continental Sanitary Co., New York. Antiseptics and disinfectants. E, V-2 829

Can. Sporting Goods Company, Whitley excruciser. E, S-4 825

Water filters. E, U-3 833

Water filters. E, U-3 833

Water filters. E, U-3 833

Water filters. E, U-3 833

Water filters. E, U-3 833

Water filters. E, U-3 833

Water filters. E, U-3 833

- | Exhibit No.  | Class No.               |
|--|-------------------------|
| 3a. Amherst College, Amherst, Mass. Hygienic statistics.   | E, W-3 833              |
| 4. Automatic Fountain Company, Canton, Ohio. Fountain air purifier.  | E, S-4 829              |
| 5. Bannerman, William, Chicago. Phenyle disinfectant.  | E, V-2 829              |
| 5a. Battle Creek Sanitarium School of Cookery, Battle Creek, Mich. Food preparations and healthful dress.        | E, S-6 826              |
| Physical culture, Swedish movement apparatus. Chicago Branch, 28 College Place.                                  |                         |
| 6. Beneficent Building Association, Philadelphia. Plans of model tenement house.                                 | E, wing frames, V-4 827 |
| 7. Benson, B. S., Baltimore. Air purifiers and filters.  | E, S-4 829              |
| 8. Beveridge, W. E., Baltimore. Automatic steam cookers.   | E, T-6 826              |
| 8a. Boston Water Board, Boston. Model, photographs and plans of the Boston waterworks.                           | E, U-7 829              |
| 8b. Boston Water Filter Co., Boston. Water filters.  | E, T-5 829              |
| 9. Bowden, J. A., & Co., Detroit, Mich. Water filters and domestic water filters.                                | E, V-3 829              |
| 10. Brown & Sharp Manufacturing Co., Providence, R. I. Sanitary closets.   | E, V-1 829              |
| 10a. California State Board of Health, Sacramento, Cal. Reports and statistics.                                  | E, V-3 833              |
| 11. Columbia Automatic Filter Company, Washington, D. C. Water filters.  | E, T-2 829              |
| McDonald system, invented by Col. Marshall McDonald, U. S. Fish Commr. Self-cleansing and absolutely germ-proof. |                         |
| 11a. Connecticut State Board of Health, New Haven, Conn. Reports and statistics.                                 | E, V-3 833              |
| 11b. Coolbaugh, I. M., Chicago. Bath with movable seat.  | E, W-4 829              |
| 12. Cram, A. W., Haverhill, Mass. Clean-out for drains, etc.   | E, S-4 829              |
| 13. Cummings Filter Company, Philadelphia. Water filters.  | E, T-4 829              |

## Physical Development, Training and Condition—Hygiene.

- | Exhibit No.  | Class'n No. | Exhibit No.   | Class'n No.                        |
|--|-------------|---|------------------------------------|
| 13a. David, William, New York. Publications on ventilation and heating.  | E, V-3 833  | 21a. Hygienic Laboratory, University of Michigan, Ann Arbor, Mich. Photographs.   | E, V-6 833                         |
| 13b. Davis, F. A., Co., Philadelphia. Hygienic publications.   | E, V-3 833  | 22. Illinois State Board of Health, Springfield, Ill. Maps illustrative of sanitary condition of Chicago and reports and statistics.              | E, V-3 and E, W-1 833              |
| 14. Davis, M. L., Lancaster, Pa. a Models of garbage and crematory furnaces.   | E, S-3 829  | 23. Improved Dwellings Company, New York. Model and plans of improved dwelling for workingmen.  | E, S-5 827                         |
| 14. Davis, M. L., Lancaster, Pa. A Plan of quarantine hospital.  | E, S-3 829  | 24. Jensen, Hans H., Milwaukee, Wis. Odorless water closets.  | E, V-1 829                         |
| 15. Eclipse Filter Company, Philadelphia. Water filters.   | E, T-4 829  | 25. Ladies' Sanitary Association, London, England. Publications of the association.   | Sec. E 833                         |
| 16. Engle Sanitary & Cremation Co., Des Moines, Iowa. An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. | E, S-3 829  | 26a. Lea Brothers & Co., Philadelphia. Hygienic publications.   | E, V-3 833                         |
| 16. Engle Sanitary & Cremation Co., Des Moines, Iowa. An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. | E, S-3 829  | 27. Louisiana State Board of Health, New Orleans. Models of quarantine station and disinfectors.  | E, W-5 833                         |
| 16. Engle Sanitary & Cremation Co., Des Moines, Iowa. An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. | E, S-3 829  | 27a. Macmillan & Co., New York. Publications on sanitary subjects.  | E, V-3 833                         |
| 16. Engle Sanitary & Cremation Co., Des Moines, Iowa. An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. | E, S-3 829  | 28. Maine State Board of Health, Augusta, Me. Charts and plans relating to school houses.   | Sec. E 833                         |
| 16. Engle Sanitary & Cremation Co., Des Moines, Iowa. An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. | E, S-3 829  | 28a. Massachusetts Institute of Technology, Boston. Reports and statistics.   | E, V-3 833                         |
| 16. Engle Sanitary & Cremation Co., Des Moines, Iowa. An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. | E, S-3 829  | 29. Massachusetts State Board of Health, Boston. Analytical work in food adulteratives water, etc.  | E, V-3 833                         |
| 16. Engle Sanitary & Cremation Co., Des Moines, Iowa. An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. | E, S-3 829  | 30. McConnell Filter Company, Buffalo, N. Y. Germ-proof water filters.  | E, T-4 829                         |
| 16. Engle Sanitary & Cremation Co., Des Moines, Iowa. An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. | E, S-3 829  | 30a. McNiven & Wallace, Edinburgh, Scotland. Publications on health subjects.   | E, V-3 833                         |
| 16. Engle Sanitary & Cremation Co., Des Moines, Iowa. An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. | E, S-3 829  | 31. Medical and Surgical Sanitarium, Battle Creek, Mich. Economic and hygienic base for women; apparatus for anthropometry and physical training. | E, S-6 825                         |
| 16. Engle Sanitary & Cremation Co., Des Moines, Iowa. An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. | E, S-3 829  | 31a. Exhibit of the means and methods employed in a scientific sanitarium and modern methods.   | Chicago Monthly, 22 College place. |
| 16. Engle Sanitary & Cremation Co., Des Moines, Iowa. An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. | E, S-3 829  | 32. Mendenhall, Mrs. L., Duluth, Minn. Turkish, Russian, baths and sun-bath rooms for the same.   | Sec. E 829                         |
| 16. Engle Sanitary & Cremation Co., Des Moines, Iowa. An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. | E, S-3 829  | 32. Michigan State Board of Health, Lansing, Mich. Diagrams illustrating work in prevention of disease; set of publications.                      | E, W-1 833                         |
| 16. Engle Sanitary & Cremation Co., Des Moines, Iowa. An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. | E, S-3 829  | 33. Miller, Chas. H., Pittsburg, Pa. Appliances for cleaning water mains.   | E, S-4 829                         |
| 16. Engle Sanitary & Cremation Co., Des Moines, Iowa. An iron or brick fire closet for domestic waste. Hospital furnace for infectious material. | E, S-3 829  | 34. Minnesota State Board of Health, St. Paul, Minn. Charts, diagrams and publications illustrating protection and sanitary work.                 | Wing frames; Sec. E 833            |

## Physical Development, Training and Condition—Hygiene.

	Class'n No.	Exhibit No.	Class'n No.
J. L., & Co., Chicago. Public and closets and public drinking		39. Pasteur-Chamberland Filter Company,	
Sec. E	829	Dayton, Ohio. Germ proof filters and	
Gansett Machine Company, Prov-		filtering apparatus and special room and	
id. I. Gymnastic apparatus and		apparatus for detection of impurities in	
as. Sec. E&F	825	water. E, U-4 and E, T-3	829
al Board of Health, Curacao.		39a. Peerless Steam Cooker Co., Buffalo,	
phs of quarantine station.		N. Y. Steam cooker. E, W-2	826
E, W-2	833	40. Pennsylvania State Board of Health,	
al Health Association, London,		Philadelphia. Portable bacteriological	
mphelets and papers on sanita-		outfit; charts, publications, etc. Sec. E	833
E, V-3	833	Portable case of apparatus for collecting	
Brunswick Provincial Board of		specimens of drinking water from hy-	
Fredericton, New Brunswick.		drants.	
nd statistics. E, V-3	833	41. Philadelphia County Women's Com-	
Jersey State Board of Health,		mittee, Philadelphia. A model workman's	
N. J. Specimens of adultera-		dwelling. (N. E. end of Midway Plais-	
oods and drugs; maps and pub-		ance.)	827
Sec. E	833	41a. Potter, Edward T., Newport, R. I.	
ork Columbian Cooking School,		Model of town dwelling house, showing	
k. Model cooking school in		method of concentration on small space.	
Special building, south of		E, T-2	827
ogical Building.	826	41b. Religious Tract Society, London,	
ork Ladies' Health Protective		England. Publications. E, V-3	833
n, New York. Models and		42. Remington, Cyrus K., Buffalo, N. Y.	
hs of abattoirs and of dust-		Photographs of the Buffalo crematory.	
E, V-7	826	E, S-5	829
ork State Board of Health,		42a. Rhode Island State Board of Health,	
. Y. Maps, drawings and pub-		Providence, R. I. Charts and diagrams	
licating to public health.		of health statistics and reports of work.	
Sec. E	833	Sec. E	833
ork State Commission, Al-		43. Romney, Mrs. Caroline, Chicago.	
. Model of an artisan's dwell-		a Warming closet, heat conserver, din-	
cial building, northwest of		ner pail. Lib. Arts Gal. F, U-103	826
ogical Building.	827	b Water filter.	829
ork State, Commissioners of.		43a. Routledge, Geo., & Co., London, Eng-	
ls and maps of the Croton		land. Public health publications.	
system. Sec. E	829	E, V-3	833
l of crematory for the dead,		43b. Rumford Kitchen, Boston. Model	
model, photographs and plans		cooking school in operation. Special	
ie quarantine system of the		building, south of Anthropological Bldg.	
of New York.	833	826	
merican Turnersbund, Chicago.		43c. Sanitary Garbage Pail Co., Detroit,	
apparatus, athletic costumes,		Mich. Receptacle for house garbage.	
etc. Lib. Arts Bldg.		E, W-1	829
Gal. I, Z-8	825	43d. Shaker Society, Mount Lebanon, N. Y.	
Brothers, Chicago. Sanitary		Photographs.	
ts. E, T-3	829	E, W-2	833
ia Territorial Board of Health.		43e. Society for the Propagation of Christ-	
d statistics. E, T-3	833	ian Knowledge, London, England. Hy-	
yer, Wm., St. Louis. Gar-		gienic publications. E, V-3	833
age vault. E	629	43f. Sonnenschein & Co., London, Eng-	
Flash Tank Co., Los Ange-		land. Publications on vital statistics.	
lush tanks with automatic sys-		E, V-3	833
tem sewerage, closets, etc.		43g. Stanford, E., London, England. Pub-	
E, W-1	829	lications on vital statistics. E, V-3	833
		43h. Sanitarium Health Food Co., Battle	
		Creek, Mich. Health foods, granola,	
		gluten, etc.	826
		Chicago agents, Ernest Healy & Co., 789 W.	
		Madison street.	

## Physical Development, Care and Treatment of the Mentally Defective.

Exhibit No.	Class'n No.
44. Sternberg, Geo. M., Surgeon General, U. S. A. Micro-photographs of bacteria.	E, W-4 833
44a. Stone, Peter, Los Angeles, Cal. Water filters and coolers.	E, T-5 829
45. Tenement House Building Company, New York. Drawings, plans and photographs of buildings.	Sec. E, wing frames, V-4 827
45a. United States Commission of Education, Washington, D. C. Reports on the ventilation and heating of schools.	E, V-3 829
46. University of Pennsylvania Press, Philadelphia. Hygienic publications.	E, V-3 833
46a. Wachsmuth, C. T., Berlin, Germany. Hygienic publications.	E, V-3 833
46b. Wade, Rufus R., Boston. Plans and reports of heating and ventilation in schools and public buildings.	E, X-6 829
47. Wahl, Albert, Chicago. Health apparatus.	E, S-6 825
47a. Ward, H. A., Rochester, N. Y. Anatomical preparations.	E, Y-7 830
47b. Washington State Board of Health. Reports and statistics.	E, V-3 833
47c. Watres, Mrs. Louis A., Scranton, Pa. Bed clothes fastener.	Lib. Arts Bldg., Gal. F, U-103 824
47d. Whitney Home Gymnasium Co., Rochester, N. Y. Home gymnasium cabinet.	E, S-6 825
47e. Whittaker & Co., London, England. Hygienic publications.	E, V-3 833
48. Widmet Castle & Co., Rochester, N. Y. Sterilizers, steam cookers and bacteriological apparatus.	E, T-6 826
48a. Wisconsin State Board of Health, Madison, W. S. Reports and statistics.	E, V-3 833
49. Woods, Justus O., New York. Hygienic appliances.	E, V-3 830
50. Work's Crystal Water Filter Company, Chicago. Water filters.	E, T-4 829
50a. Worthington, H. R., New York. Sewerage pumps.	Fig. 1 F 829
50b. Zambelli & Co., Turin, Italy. Portable disinfecter.	F, W-4 829

## BUREAU OF CHARITIES AND CORRECTION.

## The Care and Treatment of the Mentally Defective.—Class 832.

The following exhibits are installed in Section F, of the Anthropological Building.

Exhibit No.	Class'n No.
A 1. Asylum for the Insane, Athens, Ohio. Architectural plans, photographs, literature and specimens of patients' work.	F, Y-15
A 2. Asylum for the Insane, Cleveland, Ohio. Architectural plans, photographs, statistics, specimens of patients' work, literature.	F, Y-15
A 3. Asylum for the Insane, Columbus, Ohio. Architectural plans, photographs, literature and specimens of patients' work.	F, Y-15
A 4. Asylum for the Insane, Toledo, Ohio. Architectural plans, photographs, literature and specimens of patients' work.	F, Y-15
A 4a. Asylum for the Chronic Insane, Bridgewater, Mass. Photograph and plan.	F, U-10
A 4b. Binghamton State Hospital for the Insane, Binghamton, N. Y. Specimens of patients' work.	F, Y-12
A 5. Boston Lunatic Hospital, Boston. Architectural plans, photographs, literature.	F, Y-14
A 5a. Buffalo State Hospital for the Insane, Buffalo, N. Y. Photographs and statistics.	F, Y-14
A 6. Custodial Asylum for Feeble-Minded Women, Newark, N. J. Model and photographs.	F, Y-13
A 8. Insane Asylum, Dayton, Ohio. Plans, photographs, literature and specimens of patients' work.	F, Y-14
A 9. Longview Insane Asylum, Carthage, Ohio. Plans, photographs and specimens of patients' work.	F, Y-14
A 10. Lynch Mfg Co., Madison, Wis. Restraint appliances for the insane.	F, Y-14
A 11. Maine Insane Hospital, Augusta, Me. Architectural plans, photographs, statistics and literature.	F, Y-11
A 12. McLean Hospital, Somerville, Mass. Model, plans, photographs, statistics and literature of hospital. Photographs, statistics and literature of training school for nurses to the insane.	F, Y-12

## Care and Treatment of the Mentally Defective, Sick and Injured Children.

- |   | Class'n<br>No. | Exhibit<br>No. | Class'n<br>No.  |
|---|----------------|----------------|---|
| Massachusetts Hospital for Dipso-<br>s and inebriates at Foxborough.<br>Plans, photographs, etc.  | F-Y-13         | A23.           | Dugot, Mrs. B. A., Mallet Creek,<br>Ohio. Combined douche and bed pan.<br>F, X-15   |
| Michigan, State of. Charts, photo-<br>and illustrations of the work of<br>institutions for the insane at Kalamazoo,<br>Traverse City and Ionia.   | F, Y-12        | A24.           | Evening Dispensary for Women and<br>Children, Baltimore. Descriptive charts.<br>F, W-9  |
| Minnesota Hospital for the Insane,<br>St. Minn. Photographs, uniforms,  | F, Y-11        | A25.           | Fitch Accident Hospital, Buffalo,<br>N. Y. Photographs and statistics and<br>emergency bag for ambulance work.<br>F, W-9                        |
| Minnesota Second Hospital for In-<br>sanity, St. Minn. Photographs.   | F, Y-11        | A25a.          | Grant County Charity Hospital,<br>Silver City, New Mexico. Statistics.<br>F-X-9   |
| New Mexico Insane Asylum, Las<br>Alamos, N. M. Plan of buildings.   | F-Y-12         | A26.           | Hale, Seth P. H., Williamsville, Mass.<br>Apparatus for moving invalids.<br>F, W-15   |
| North Indiana Hospital for the In-<br>sane, Ellettsville, Ind. Photographs, statistics,   | F, Y-11        | A27.           | Hawley, Mary A., Dixon, Ill. Inva-<br>lid's table.<br>F, X-15   |
| New York State Hospital, Utica, N. Y.<br>Infirmity building, photographs,<br>samples of patients' work.   | F-Y-13         | A28.           | Instructive District Nursing Associa-<br>tion, Boston. Statistics and literature.   |
| Northard State Hospital for the In-<br>sane, Northard, N. Y. Large picture of   | F-Y-14         | A30.           | Jewish Hospital Association, Phila-<br>delphia. Photographs and statistics of<br>hospital and home for aged and infirm<br>Israelites.<br>F, W-9 |
| Worcester Lunatic Hospital, Wor-<br>cester, Mass. Charts, plans, photographs,   | F-Y-13         | A31.           | Johns Hopkins Hospital, Baltimore.<br>Model of buildings, plans, photographs,<br>etc., of hospital and nurses' training<br>school.<br>F, X-9    |
| Care and Treatment of the Sick and<br>Injured.—Class 822.   |                | A32.           | Maine Eye and Ear Infirmary, Port-<br>land, Me. Plans, photographs and sta-<br>tistics.<br>F, W-9   |
| Dr. Mary E., New York. Invalid<br>bed.  | F, W-15        | A33.           | Massachusetts Emergency & Hy-<br>giene Association, Boston. Maps, photo-<br>graphs, appliances and literature.<br>F, X-9                        |
| Dr. Miss C. C., Baltimore.<br>Plan of dispensary for plaster<br>casts.  | F, W-9         | A34.           | Medical and Surgical Sanitarium,<br>Battle Creek, Mich. Plans, photographs,<br>and appliances.<br>F, X-13                                       |
| Dr. Creek Sanitarium, Battle<br>Creek. Model of buildings, plans,<br>models of appliances and<br>medical display.                                 | F-X-13         | A35.           | Meggy, Jesse Hodgman, Philadel-<br>phia. Bed for invalids.<br>F, X-15   |
| Dr. City Hospital, Boston. Archi-<br>tectural plans, photographs, literature,<br>models of appliances of hospi-<br>tal nursing school for nurses. | F, X-10        | A36.           | New England Hospital for Women<br>and Children, Boston. Photographs,<br>plans, statistics and literature.<br>F, X-12                            |
| Dr. Hospital for Women, New<br>York. Photographs and literature.  | F, W-12        | A37.           | New York Hospital Saturday and<br>Sunday Association, New York. Statistics and<br>appliances.<br>F, X-9   |
| Dr. Invalid Bed Co. Hospital<br>for the Insane, Boston. Hos-<br>pital album, etc.   | F-X-11         | A37a.          | Presbyterian Eye, Ear and Throat<br>Charity Hospital, Baltimore, Md. Chart<br>and photograph.<br>F-X-11   |
| Dr. City Hospital, Cleveland,<br>Ohio. Photograph of buildings.   | F-X-10         | A38.           | Reeves, Carrie V., Baltimore. Head<br>rest for beds.<br>F, X-15   |
|   |                | A38a.          | Rosenau, N. S. Bandage winder.<br>F-X-14  |
|   |                | A38b.          | Sargent Manufacturing Co., New<br>York City. Hospital furniture.<br>F-X-15  |
|   |                | A38c.          | St. Vincent Hospital and Sani-<br>tarium, Santa Fe, N. M. Statistics and<br>photographs.<br>F-X-9   |

## The Care and Treatment of Dependent and Delinquent Children.

Exhibit No.	Class No.
A39. Sharon Sanitarium, Boston. Plans and photographs.	F, W-9
A40. St. Luke's Hospital, South Bethlehem, Pa. Drawings, photographs, statistics and literature.	F, X-12
A40a. Woman's Hospital and Foundlings' Home, Detroit, Mich. Plans, etc.	F-X-9

## The Care and Treatment of Dependent and Delinquent Children.—Class 881.

A41. Aid for Destitute Mothers and Infants, Boston. Statistics and reports.	F, W-9
A41a. Allison Industrial School for Girls, Santa Fe, N. M. Photographs.	F-W-11
A42. Baptist Orphanage, Philadelphia. Photographs of buildings and inmates.	F, W-10
A43. Boys' Home, Baltimore. Statistics and reports.	F, W-10
A44. Brooklyn Orphan Asylum Society, Brooklyn, N. Y. Photographs and statistics.	F, W-10
A45. Chicago News Record, Chicago. Photographs, statistics and appliances of Fresh Air Fund.	F, W-13
A46. Children's Aid Society, Boston. Photographs, statistics and library.	F, W-9
A47. Children's Aid Society, Chicago. Statistics, photographs, reports, etc.	F, W-9
A48. Children's Aid Society, Philadelphia. Photographs, charts, clothing, etc.	F, W-9
A48a. Children's Home Society, Chicago. Charts, maps, photographs, pamphlets.	F-W-9
A49. Children's Home, Bangor, Me. Statistics and reports.	F, W-10
A49a. Day Nurseries, Boston. Mrs. Q. A. Shaw. Statistics and photographs.	F-U-12
A49b. Female Orphan Asylum, Portland, Me. Charts, photographs, etc.	F-W-10
A50. Fitch Creche, Buffalo, N. Y. Photographs, statistics, etc.	F, W-13
A51. Goodwill Farm for Boys, East Fairfield, Me. Photographs, statistics and reports.	F, W-12
A51a. Government Indian School, Santa Fe, N. M. Photographs.	F-W-11
A52. Hampden County Children's Aid Ass'n, Springfield, Mass. Photographs and reports.	F, W-9
A53. Hebrew Orphan Asylum, New York. Photographs, specimens of school work, uniforms, etc.	F, W-10

Exhibit No.	Class No.
A53a. Hebrew Sheltering Guardian Society of New York City. Orphan asylum photographs.	F-U-14
A54. Hebrew Technical Institute, New York. Photographs and specimens of school work.	F, W-13
A55. Home for Friendless Children, Reading, Pa. Photographs of building.	F, W-10
A55a. House of Refuge, Boonville, Mo. Photographs, specimens of work, etc.	F-W-15
A56. Illinois School of Agriculture and Manual Training School for Boys, Glenwood, Ill. Photographs, statistics and specimens of school work.	F, W-12
A57. Industrial School for Girls, Boston. Reports.	F, Y-9
A57a. Industrial School for Girls, Chilliscothe, Mo. Specimens of inmates' work and costumes.	F-W-15
A57b. Jewish Orphans' Home, New Orleans, La. Charts, shorthand writing, etc.	F-W-10
A57c. Ladies' Deborah Nursery and Child's Protectory of the City of New York. Photographs.	F-U-14
A58. Little Mothers at Work and Little Mothers at Play, New York. Photographs and statistics.	F, W-13
A59. Louis Down-town Sabbath and Daily School, New York. Photographs, statistics and specimens of school work.	F, W-12
A60. Lyman School for Boys, Westboro, Mass. Photographs and specimens of school work.	F, W-12
A61. Maine Industrial School for Girls, Hallowell, Me. Photographs, statistics and reports.	F, W-12
A62. Massachusetts Infant Asylum, Boston. Appliances, statistics and photographs.	F, W-10
A63. Massachusetts Society for the Prevention of Cruelty to Children, Boston. Reports and record blanks.	F, Y-9
A64. Massachusetts State Board of Lunacy and Charity, Boston. Photographs, appliances and statistics of Department of Outdoor Poor.	F, W-9
A64a. Massachusetts State Industrial School for Girls, Lancaster, Mass. Charts, photographs, statistics, etc.	F-W-11
A65. Massachusetts State Primary School, Monson, Mass. Photographs of buildings, statistics, etc.	F, W-12
A66a. Minnesota State Public School, Owatonna, Minn. Photographs.	F-W-12

## The Care and Treatment of Dependent Children, of Adult Poor and Paupers.

Class'n  
No.  
**Minnesota State Reform School, Red g. Minn.** Photographs. F-W-12  
**New England Home for Little Wanderers.** Charts, photographs, books, etc. F-W-10  
**New York House of Refuge, Randall Island, N. Y.** Drawings, maps, photos and specimens of school work. F, V-13  
**New York Kindergarten Society of Hebrew Free School Association.** ts and photographs. F-U-12  
**New York State Industrial School, Westerlo, N. Y.** Photographs, charts specimens of school work. F, W-10  
**Ohio Girls' Industrial Home, Delaware, Ohio.** Plans and photographs of buildings, statistics and specimens of school work. F, W-12  
**Pennsylvania Reform School, Morristown, Pa.** Photographs, statistics, specimens of school work, etc. F, W-12  
**Presbyterian Orphanage, Philadelphia.** Photographs, statistics and specimens of school work. F, W-10  
**Sanitarium for Hebrew Children, New York.** Chart. F-T-12  
**St. Louis House of Refuge, St. Louis, Mo.** Specimens of inmates' work costumes. F-W-15  
**St. Louis Protestant Orphan Asylum.** Photographs. F-W-10  
**St. Vincent's Asylum, Syracuse.** Photographs and specimens of work. F-W-9  
**Soldiers' Orphans' Schools, Ohio.** Photographs, etc. F-W-10  
**Soldiers' Orphans' Schools, Pennsylvania.** Photographs. F-W-10  
**South End Industrial School, Boston.** Photographs, descriptive charts specimens of school work. F, W-11  
**State Industrial School for Girls, Westerlo, Mass.** Photographs, statistics. F-W-12  
**Treasurers of the State Primary and Normal Schools of Massachusetts, Boston.** Reports. F, Y-9  
**General Orphan Home, Richmond.** Photographs and statistics. F-W-10  
**General Orphan Home, St. Paul, Minn.** Photographs, statistics, etc. F, W-12

## The Care and Treatment of Adult Poor and Paupers.—Class 881.

Exhibit  
No. Class'n  
No.  
**A77. Associated Charities, Boston.** Literature and record blanks. F, T-10  
**A78. Associated Charities, Cincinnati.** Literature and record blanks. F, T-10  
**A79. Associated Charities, Fall River, Mass.** Literature. F, T-10  
**A80. Associated Charities, Newburgh, N. Y.** Literature. F, T-10  
**A81. Associated Charities, Newtonville, Mass.** Literature. F, T-10  
**A82. Associated Charities, Wilmington, Del.** Literature and record blanks. F, T-10  
**A82a. Asylum for Aged and Incurables, Island of Malta.** Photographs, plans and descriptive book. F-U-10  
**A83. Bethel Associated Charities, Cleveland, Ohio.** Literature and record blanks. F, T-10  
**A84. Boston Provident Association, Boston.** Literature. F, T-10  
**A85. Bureau of Labor and Charities, Syracuse, N. Y.** Literature. F, T-10  
**A86. Charity Organization Society, Baltimore.** Literature and record blanks. F, T-10  
**A87. Charity Organization Society, Buffalo, N. Y.** Literature and record blanks. F, T-10  
**A88. Charity Organization Society, Burlington, Iowa.** Literature and record blanks. F, T-10  
**A89. Charity Organization Society, Indianapolis, Ind.** Literature and record blanks. F, T-10  
**A90. Charity Organization Society, Newport, R. I.** Literature and record blanks. F, T-10  
**A91. Charity Organization Society, New York City.** Literature, record blanks and plans of United Charities building. F, T-10  
**A92. Chicago Relief and Aid Society, Chicago.** Literature, record blanks and statistics. F, T-10  
**A93. City Almshouse, Baltimore.** Charts, literature and photographs. F, T-10  
**A94. City Mission, Lawrence, Mass.** Literature. F, T-10  
**A94a. Cleveland City Infirmary—City Workhouse.** Photographs. F-U-8  
**A95. German Evangelical Home, Brooklyn, N. Y.** Literature, plans and statistics. F, T-10  
**A96. German Old People's Home, Chicago.** Report and photographs. F, T-10

## Care of Adult Poor and Paupers, Punishment of Adult Delinquents.

- | Exhibit No.   | Class'n No. | Exhibit No.  | Class'n No. |
|---|-------------|--|-------------|
| A97. German Society of Chicago, Chicago. Literature and record blanks.  | F, T-10     | A111. Overseers of the Poor, Brookline, Mass. Reports, photographs of almshouse and statistics.                      | F, T-10     |
| A97a. Home for Aged and Infirm, Yonkers, N. Y. Photographs.   | F-U-12      | A112. Overseers of the Poor, Somerville, Mass. Literature and record blanks.   | F, T-10     |
| A97b. Home for Aged and Infirm Hebrews, New York City. Charts and photographs.                                    | F-U-12      | A113. Overseers of the Poor, Springfield, Mass. Literature, statistics, photographs of almshouse and record blanks.  | F, T-10     |
| A97c. Home for Aged Men, Portland, Me. Photographs and statistics.  | F-U-8       | A114. Pennsylvania Industrial Home for Blind Women, Philadelphia. Photographs and specimens of inmates' work.        | F, T-8      |
| A97d. Home for Aged Women, Portland, Me. Photographs and statistics.  | F-U-8       | A114a. Pennsylvania Soldiers' and Sailors' Home at Erie, Pa. Photographs, etc.                                       | F-T-8       |
| A98. Home for the Friendless, Buffalo, N. Y. Statistics and photographs.  | F, T-10     | A115. Penny Provident of the Charity Organization Society, Buffalo, N. Y. Statistics, appliances and record blanks.  | F, T-10     |
| A99. Industrial Aid Society, Boston. Literature and record blanks.  | F, T-10     | A116. Relief Association, Plainfield, N. J. Literature.  | F, T-10     |
| A99a. Letchworth, Wm. P. Model of the New York state plans for poorhouses.  | F-S-9       | A116a. Sisterhoods of Personal Service (Hebrew women), New York. Charts.   | F-U-12      |
| A99b. Ladies' Relief Society Home, East Las Vegas, N. M. Statistics.  | F-U-10      | A117. Society of St. Vincent de Paul, Boston. Literature, record blanks, photographs and statistics.                 | F, T-10     |
| A100. Library Bureau, Boston. Card-case for records of charitable societies.                                      | F, T-10     | A117a. St. John's Guild of New York City. Pictures, improved bed, etc.   | F-W-10      |
| A101. Massachusetts Board of Lunacy & Charity, Department of Indoor Poor, Boston. Statistics and photographs.     | F, T-10     | A117b. Temporary Home for Women and Children, Deering, Me. Charts, etc.  | F-U-10      |
| A102. Massachusetts, State of. Model of Hospital Pavilion of the State Almshouse at Tewkesbury.                   | F, T-10     | A118. Temporary Home for Working Women, Boston. Reports and statistics.  | F, T-10     |
| A102a. Massachusetts State Farm, Bridgewater, Mass. Photograph and plan.  | F-U-10      | A119. Union Relief Association, Springfield, Mass. Literature.   | F, T-10     |
| A102b. Minnesota Soldiers' Home, Minnehaha, Minn. Photographs.  | F-T-8       | A120. United Hebrew Charities, New York. Literature and record blanks.   | F, T-10     |
| A103. Montefiore Home for Chronic Invalids, New York. Literature, photographs and statistics.                     | F, T-10     | A121. Western House of Employment, Philadelphia. Photographs and statistics.   | F, T-10     |
| A104. New York Herald, New York City. Photographs, history and statistics of the Free Ice Charity.                | F, T-10     | A121a. Widows' Home, Reading, Pa. Photograph.  | F-U-10      |
| A105. New York State Soldiers' and Sailors' Home. Topographical drawing and photographs of grounds and buildings. | F, T-8      | A121b. Woman's Board of Trade Benevolent Department, Santa Fe, N. M. Statistics.                                     | F-U-11      |
| A106. North End Mission, Boston. Literature, photographs, statistics.   | F, T-10     | The Punishment and Reformation of Adult Delinquents.—Class 894.  |             |
| A107. Ohio Working Home for the Blind. Photographs, charts, manufactured articles, etc.                           | F, T-8      | A122. Champion Iron Co., Kenton, Ohio. Prison work, iron and steel cells, doors, locking device, window guards, etc. | F, T-10     |
| A108. Old Women's Home, Reading, Pa. Photographs.   | F, T-10     | A123. Eastern State Penitentiary, Philadelphia. Model of building, photographs and statistics.                       | F, T-14     |
| A109. Overseers of the Poor, Bellingham, Mass. Literature.  | F, T-10     |  |             |
| A110. Overseers of the Poor, Boston. Literature, record blanks and statistics.                                    | F, T-10     |  |             |

tical Exhibits of the Government, etc., Apparatus of Medicine and Prosthesis.

	Class'n No.	Exhibit No.	Class'n No.
Home for Fallen Women, Baltimore	F, Y-9	A141a. Kansas State. Statistics.	F-Y-10
Massachusetts Reformatory, Con-		A142. Maine State. Statistics.	F, Y-10
junction, Mass. Drawings, statis-		A143. Maryland State. Map and statis-	F, Y-10
tics and literature.	F, T-13	A144. Massachusetts Board of Charities	
Minnesota State Prison, Stillwater,		and Corrections. Scrap books.	F, Y-10
Photographs, plans and products.	F, U-13	A145. Massachusetts Board of Lunacy and	
New Mexico Territorial Peniten-		Charity. Reports, photographs and forms.	F, Y-10
tentiary Santa Fe, N. M. Photographs, sta-		A145a. Massachusetts Co-operative Banks.	
and samples of prison work.	F-U-11	Chart.	F-U-11
New York, State of. First electro-		A146. Massachusetts State. Maps, statis-	
chair (Wm. Kemmler).	F, T-13	tics and literature.	F, Y-10
New York State Reformatory, El-		A147. Michigan State Board of Correction	
N. Y. Model of buildings and trades		and Charities. Map and statistics.	F, Y-10
exhibit.	F, T-13	A148. Minnesota State Board of Correc-	
Ohio State Penitentiary, Columbus,		tions and Charities. Map, statistics and	
Photographs, etc.	F-T-15	reports.	F, Y-10
Ohio State Reformatory, Mansfield,		A148a. Missouri State. Map and statistics.	
Drawings and plans.	F, S-13		F-Y-10
Pennsylvania Industrial Reforma-		A148b. Monday Evening Club, Boston.	
tion, Langhorne, Pa. Model of buildings.		Statistics and chart.	F-U-11
	F, R-18	A149. National Conference of Charities	
Reformatory Prison for Women, So-		and Correction. Proceedings.	F, Y-9
utham, Mass. Plans, photographs,		A149a. Nebraska State. Statistics.	
etc., products, literature, etc.	F, T-13		F-Y-10
Western Penitentiary, Allegheny,		A149b. New Mexico Territory. Map, sta-	
Model of buildings.	F, S-14	tistics and photographs.	F-Y-12
live and statistical exhibits of the		A150. New York State Board of Char-	
ment, supervision, capacity and		ities. Maps, statistics and reports.	F, Y-9
tion of the charitable and penal		A151. New York State Charities Aid	
tions of the states; miscellane-		Association. Annual reports.	F, Y-9
ous.		A153. Pennsylvania State. Map and sta-	
Anti-Vivisection Society. Charts,		tistics.	F, Y-10
maps and publications.	F-W-13	A153a. Penny Provident Fund of the Charity	
Bureau of Police, Philadelphia.		Organization Society, New York City.	
Showing uniforms; books, etc.	F-V-15	Framed chart.	F-T-40
California State. Statistics.	F, Y-10	A154. Pioneer Co-operative Bank, Boston.	
Colorado State. Map and charts.	F, Y-10	Statistics and literature.	F, T-10
Delaware State. Statistics.		A155. Provident Savings Bank, Baltimore.	
	F, Y-10	Statistics and literature.	F, T-10
Home Savings Society, Boston.		A156. Wines, F. H., Springfield, Ill.	
Records and record blanks.	F, T-10	Graphic charts of crime and pauperism	
Illinois State. Statistics and re-		in the states, from 11th U. S. census.	
ports.	F, Y-10		F, W-8
Independent Order of Benai Berith,		A156a. Wisconsin State. Map and sta-	
Chicago, Ill. Statistics.	F-U-12	tistics.	F-Y-10
Independent Order of Grace		A156b. Woman's Christian Temperance	
Temple, New York City. Statistics.	F-U-12	Union, Territory of New Mexico. Sta-	
Iowa Board of State Charities.		tistics.	F-U-11
Statistics and reports.	F, Y-10	A157. Workingmen's Loan Ass'n, Boston.	
Iowa State. Map and statistics.	F, Y-10	Statistics and literature.	F, T-10

#### GROUP 148.

Instruments and Apparatus of Medicine,  
Surgery, and Prosthesis.

51. Albany Chemical Company, Albany,  
N. Y. Pharmaceutical preparations.

Gal. D, F-98 835

## Instruments and Apparatus of Medicine, Surgery and Prosthesis.

- | Exhibit No.  | Class No.               | Exhibit No.  | Class No.         |
|--|-------------------------|--|-------------------|
| 52. Ale & Beef Co., Dayton, Ohio. Pharmaceutical preparations.   | Gal. D, F-94 834        | 73. Davis, J. T. & A. H., New York. Artificial eyes.   | Gal. E, I-102 839 |
| 53. Allen, C. D., New York. Artificial teeth.  | Gal. E, H-101 839       | 74. Deane, Henry F., New York. Artificial teeth.   | Gal. E, H-101 839 |
| 54. Allison, W. D., Company, Indianapolis, Ind. Surgical furniture.  | Gal. E, G-101 837       | 75. Doliber-Goodale Company, Boston. Food for infants.   | Gal. D, E-97 835  |
| 56. Armour & Co., Chicago. Pharmaceutical preparations.  | Gal. D, F-96 834        | 75a. Donald, Wm. J., Tunnel City, Wis. Crutches and safety attachments.  | Gal. D, I-103 839 |
| 57. Armstrong, Wm. H., & Co., Indianapolis, Ind. Surgical instruments and appliances.  | Gal. E, H-103 837       | 76. Doriot, Constant, Philadelphia. Dental tools, chair, etc.  | Gal. E, K-101 839 |
| 58. Ayer, J. C., Company, Lowell, Mass. Pharmaceutical preparations.   | Gal. D, Truss F-94 834  | 77. Drevet Manufacturing Company, New York. Pharmaceutical preparations.   | Gal. D, F-98 834  |
| Ayer's Cherry Pectoral, Ayer's Comp. Concentrated Ext. Sarsapa, Ayer's Cathartic Pills. These scientifically prepared medicines are sold in every civilized country on the globe. They have been before the public for nearly half a century, with constantly increasing favor and demand. |                         | 79. Eyans, George, New York. Crowns for teeth.   | Gal. E, K-101 839 |
| 59. Banning, E. P., Cleveland, Ohio. Spinal and other appliances.  | Gal. D, D-101 838       | 80. Fairchild Bros. & Foster, New York. Digestive ferments, peptonised foods.  | Gal. D, F-93 834  |
| 60. Boericke & Tafel, Philadelphia. Homœopathic preparations.  | Gal. D, F-98 834        | Pioneers and specialists in manufacturing digestive ferments. Originators of Fairchild's Peptonising Tubes; Peptogenic Milk Powder for the modification of cows' milk as a food for infants. The artificial digestion of every variety of food by the Fairchild process exhibited. |                   |
| 62. Brown, Frederick, Company, Philadelphia. Pharmaceutical preparations.  | Gal. D, F-94 834        | 81. Frees, C. A., New York. Artificial limbs.  | Gal. D, D-103 838 |
| 65. Burrough Bros. Manufacturing Company, Baltimore. Pharmaceutical preparations, etc.   | Gal. D, F-98 834        | 83. Gault Artificial Limb Company, Woodstock, Ill. Artificial limbs.   | Gal. D, D-101 838 |
| 66. Canton Surgical & Dental Chair Co., Canton, Ohio.  | Gal. E, G-102           | 84. Harvard Company, Canton, Ohio.   | Gal. E, H-101 837 |
| a Surgical chairs and appliances.  | 837                     | a Surgical furniture.  | 837               |
| b Dental chairs and appliances.  | 839                     | b Dental furniture.  | 839               |
| Yale, surgical chairs, Gould dental chairs, dental engines, fountain spittoons.  |                         | 85. Harvey, G. F., Company, Saratoga Springs, N. Y. Pharmaceutical preparations.   | Gal. D, D-98 834  |
| 67. Carroll Aluminum Manufacturing Company, Meadville, Pa.   | Gal. E, F-102           | 86. Harvey Human Hand Appliance Company, New York. Trusses.  | Gal. D, D-99 838  |
| a Stethoscope, ophthalmoscope, etc.  | 836                     | 87. Haussmann & Donn, Chicago. Surgical instruments.   | Gal. E, G-103 837 |
| b Surgical instruments and appliances.   | 837                     | 88. Heinemann, T. W., Co., Chicago. Surgical appliances.   | Gal. E, I-103 837 |
| c Orthopedic apparatus.  | 838                     | O. P. C. & Chicago suspensories; Frost & King & Queen chamois jackets; porous plasters.  |                   |
| d Dental apparatus.  | 839                     | 89. Horlick's Food Company, Racine, Wis. Food preparations.  | Gal. D, F-97 835  |
| 67a. Chicago Artificial Limb Co., Chicago. Artificial limbs.   | Gal. D, C-102 838       | 91. Johnson & Johnson, New York. Surgical appliances.  | Gal. E, L-103 837 |
| 68. Chicago Folding Dental Chair Co., Chicago. Folding dental chairs.  | Gal. E, Truss H-101 837 | 92. Land, Charles H., Detroit, Mich. Dental cabinet and furnaces.  | Gal. E, I-101 839 |
| 69. Common Sense Truss Company, Chicago. Trusses, supporters, etc.   | Gal. D, D-102 838       | "Land System of Dental Practice," devoted to the art of restoring the dental organs to their natural appearance.   |                   |
| 72. Daggett Table Company, Buffalo, N. Y. Posturing tables.  | Gal. E, K-101 837       |  |                   |

## Instruments and Apparatus of Medicine, Surgery and Prosthesis.

	Class'n No.	Exhibit No.	Class'n No.
ee, J. Ellwood, Company, Conshohocken, Pa. Surgical specialties.	Gal. E, H-103 837	105. Peasfield, E. C., Company, Philadelphia.	Gal. E, K-103
ons, James I., Chicago. Artificial	Gal. D, D-102 838	a Surgical appliances.	837
urks, A. A., New York.	Gal. D, D-103	b Trusses and supporters.	838
Surgical appliances.	837	107. Reed & Carnrick, New York.	Gal. D, D-99
Artificial limbs.	838	a Pharmaceutical preparations.	834
Invalid vehicles.	840	b Food preparations.	835
and manufacturer of artificial		109. Ritter Dental Manufacturing Com-	
h rubber hands and feet. Awarded		pany, Rochester, N. Y. Dental chairs	
to first premiums.		and cases.	Gal. E, I-101 839
rvin Truss Company, Lansing,		110a. Sargent Manufacturing Co., Muske-	
Trusses and abdominal supports.		gon, Mich.	
Gal. D, C-103 838		a Surgical apparatus, chairs, tables,	
son, L. J., & Co., Chicago. Elec-		etc.	837
tral engine and dental instruments.		b Appliances for transporting sick or	
Gal. E, Truss H-101 838		wounded.	Gal. E, F-101 840
lor & Rittenhouse Co., Philadel-		112. Seabury & Johnson, New York.	
licorice and products.		Medical, surgical and antiseptic special-	
Gal. D, F-99 834		ties.	Gal. E, K-103 837
awards Centennial Exposition,		113. Sharp & Dohme, Baltimore.	
is International Exposition, 1878;		Pharmaceutical preparations.	
ans Exposition, 1885.		Gal. D, D-96 834	
ck & Co., New York. Pharma-		114. Sharp & Smith, Chicago.	
preparations.	834	Gal. E, F-103	
building near 59th St. entrance.		a Surgical instruments and appli-	
porters; exporters of chemicals and		ances.	837
medicinal, technical, analytical		b Artificial limbs.	838
fishers Merck's Index, a summary		115. Standard Homœopathic Globule Manu-	
of products adjudged useful in		factory, New York. Globules, disks, etc.	
or technology; \$1.00 per copy;		Gal. D, F-94 834	
k's Market Report, a monthly		116. Stearns, Frederick, & Co., Detroit,	
tical magazine; \$1.50 per year.		Mich. Pharmaceutical preparations, toilet	
er, John H., New York. Arti-		articles, etc.	Gal. D, E-98 834
th.	Gal. E, H-101 839	117. Storrs Air Pad Truss Company,	
es, John C., Cedar Rapids,		Chicago. Air pads, supporters, etc.	
odel of veterinary operating		Gal. D, D-102 838	
Gal. E, G-103 837		117a. Swift & Co., Chicago. Digestive	
r & Elbreg, Indianapolis, Ind.		ferments.	Gal. D, D-98 835
furniture.	Gal. E, H-101 937	117b. Thomas, Anna, Chicago. Dental	
mann, George H., New York.		appliances.	Gal. F, V-103 839
teeth.	Gal. E, H-101 839	118. Thomsen's Extract of Malt Company,	
ord, H. K., Co., Philadelphia.		Chicago. Extract of malt.	
eutical preparations.		Gal. D, F-98 835	
Gal. D, F-95 834		119. Tilden Company, New Lebanon,	
ns, A., Chicago. Artificial		N. Y. Pharmaceutical preparations.	
Gal. D, D-101 838		Gal. D, E-94 834	
er of the only perfect rubber		120. Tracy, Edward A., South Boston,	
kle joint.		Mass.	Gal. E, H-102
Sherman R., Chicopee Falls,		a Surgical splints.	837
inger Surg. Gal. D, C-103 838		b Surgical jackets.	838
mor, E. L., Company, Chicago.		121. Truax, Chas., Greene & Co., Chicago.	
shoe.	Gal. D, D-103 838	Surgical instruments and appliances.	
r Dental Plaster Bin Co.,		Gal. E, F-103 837	
Ohio. Dental plaster bin; and		122. Upjohn Pill & Granule Co., Kalama-	
Gal. E, Truss H-101 839		zoo, Mich. Pills and granules.	
		Gal. D, F-99 834	

## Primary, Secondary and Superior Education.

Exhibit No.	Class'n No.
123. Warner, Wm. R., & Co., Philadelphia. Pharmaceutical preparations.	834
	Gal. D, D-101
125. White, F. G., Chicago. Dentistry.	839
	Gal. E, H-101
126. White, S. S., Dental Manufacturing Company, Philadelphia. Dental supplies.	839
	Gal. E, K-101
Branches: New York, Chicago, Brooklyn, Boston, Atlanta. Established 1844.	
127. Winkley Artificial Limb Company, Minneapolis, Minn. Artificial limbs.	833
	Gal. D, D-103
128. Wyeth, John, & Bro., Philadelphia. Pharmaceutical preparations.	834
	Gal. D, D-94
129. Zeilin, J. H., & Co., Philadelphia. Pharmaceutical preparations.	834
	Gal. D, E-98

## GROUP 149.

## Primary, Secondary and Superior Education.

130. Air Brush Manufacturing Co., Rockford, Ill. Air brush and paintings produced with it.	846
	Gal. E, K-103
131. Alliance Israelite Universelle, Paris, France.	842
	Gal. I, W-1
a Common school work.	847
b Technical and trade school work.	852
c Agricultural school work.	
132. Amherst College, Amherst, Mass. Photographs, plans, books, etc.	851
	Gal. K, O-6
Liberalizing rather than technical courses. Full courses for B. A. For B. S. may omit Latin and Greek, taking two natural sciences and two other subjects. 3,500 alumni; 31 professors; best laboratories; library, 60,000 volumes; gymnasium; athletic field. Write Registrar, or Merrill E. Gates, LL. D., Pres.	
132a. Arch Diocese of Chicago. Educational exhibit: Specimens of work from parish schools, orphanages, asylums, academies, college, etc.	841-844-851
	Gal. I, Z-28
133. Arkansas, State of. Educational exhibit.	850
	Gal. A, Z-17
134. Art Institute of Chicago, Chicago. Drawings, paintings, modeled work and statuary.	846
	Gal. A, F-19
135. Art Students' League of New York, New York. Students' work.	846
	Gal. A, F-15
135a. Ashe, M. L., Art School, Memphis, Tenn. Students' work.	846
	Gal. I, V-28

Exhibit No.	Class'n No.
135b. Association of Collegiate Alumnae. Publications, diagrams, etc.	851
	Gal. K, I-1
136. Atlanta University, Atlanta, Ga. Industrial work, photographs, charts, etc.	851
	Gal. I, U-1
137. Baltimore Manual Training School, Baltimore. Students' work.	844, 851
	Gal. K, S-1
137a. Baron de Hirsch Fund Trade School, New York. Students' work.	845
	Gal. A, A-4
138. Beloit College, Beloit, Wis. Photographs, history of college, etc.	851
	Gal. A, D-7
138a. Bentley, M. Louise, Chicago. Carved cabinet.	846
	Gal. A, F-15
138b. Blind, Schools for the. Collective exhibit from schools in Jacksonville, Ill., Indianapolis, Ind., Louisville, Ky., Boston, St. Louis, New York, Philadelphia, Janesville, Wis., Ontario, Can., and elsewhere.	849
	Gal. A, A-17
141. Bradley, Milton, Company, Springfield, Mass.	841
	Gal. I, Z-13
a Kindergarten materials.	844
b Manual training materials.	845
c Scientific materials.	846
d Drawing materials.	851
141a. Brown University, Providence, R. I. Photographs, course of study, specimens of mechanical work, etc.	851
	Gal. K, R-1
142. Bryn Mawr College, Bryn Mawr, Pa. Photographs, publications, models, etc.	851
	Gal. K, G-7
A college for women in suburbs of Philadelphia. Opened 1885. Graduate and undergraduate departments.	
143. Bryn Mawr School, Baltimore. School work.	851
	Gal. I, V-7
Model college-preparatory school for girls. Opened 1885.	
143a. Burd, Lucy, Bridgewater, Pa. Dissected map of United States.	852
	Gal. F, V-103
143b. Business Colleges. Active exhibit and collective exhibit of students' work from colleges in Washington, D. C.; Bloomington, Chicago, Decatur, Galesburg, Jacksonville and Peoria, Ill.; Burlington, Cedar Rapids, Creston and Des Moines, Iowa; New Orleans, La.; Baltimore, Md.; Sedalia and St. Joseph, Mo.; Albany, New York and Rochester, N. Y.; Cleveland and Dayton, Ohio, and Milwaukee, Wis.	852
	Gal. A, A-21
143c. California, State of. Educational charts.	850
	Gal. I, Z-6

## Primary, Secondary and Superior Education.

Class'n No.	Exhibit No.	Class'n No.
leton College, Northfield, Minn. photography, charts, views, etc. Gal. A, A-7 851	154. Clark University, Worcester, Mass. University work. Gal. K, O-6 851	
tholic Educational Exhibit. Stu- work, courses of study, photo- etc., from colleges, academies, schools, industrial schools, asy- etc., from the dioceses of Brooklyn, Covington, Denver, Detroit, Du- Ft. Wayne, Green Bay, La Crosse, ster, Milwaukee, Natchez, New New York, Philadelphia, Pitts- in Francisco and Sioux Falls. Gal. I, V-17-28 841-847-851-852	155. Colgate University, Hamilton, N. Y. Photographs, publications, etc. Gal. K, K-6 851	
tholic Religious Teaching Or- educational exhibits from colleges, c schools, etc., Benedictine Fath- edictine Sisters, Sisters of Charity, n Brothers (in the United States sign countries), Sisters of Divine nce, Dominican Sisters, Sisters of Brothers of Mary, Sisters of the Blood, Sisters of Providence, isters of Notre Dame, Sisters of is, Sisters of St. Joseph, Brothers cred Heart, Franciscan Sisters, f the Good Shepherd, Sisters of rsuline Sisters, and Visitation Gal. I, Z-19. 841-847-851-852	156. Colorado State Agricultural College, Fort Collins, Col. Drawings, manual and laboratory work, publications, etc. Gal. A, D-17 852	
olic University of America, ton, D. C. Course of study, phs, etc. Gal. I, Z-26 851	157. Colorado State Normal School, Gree- ley, Col. Manuscripts, charts, sloyd-work, etc. Gal. A, D-17 852	
al Church Mission, Chicago. ten work. Gal. A, D-23 841	157a. Colorado, State of. Educational ex- hibit. Gal. A, D-17 850	
al Tennessee College, Nashville, tudents' work. Gal. A, E-1 851	158. Colorado State School of Mines, Gol- den, Col. Drawings, publications, photo- graphs, etc. Gal. A, D-17 852	
anqua System of Education, N. Y. Publications, study pa- ographs, etc. Gal. K, L-1 851	160. Columbia College, New York. Draw- ings, photographs, statistics, publications, etc. Gal. K, L-6 851	
go College of Pharmacy, Chi- ateria medica, apparatus, litera- Gal. D, E-101 852	160a. Connecticut, State of. Educational exhibit. Gal. K, U-6 850	
go Free Kindergarten Ass'n, Work of normal class and of Gal. A, Truss F-19 841	160b. Cooper Union, New York. Students' work, drawing, architectural sketches, models, etc. Gal. A, Truss, F-11 846	
go Kindergarten College, Courses of study, kindergarten Gal. I, Z-18. 841	160c. Cornell University, Ithaca, N. Y. Photographs, handbooks, etc. Gal. K, K-6 851	
go Manual Training School, Students' work. Gal. K, R-1 844, 851	160d. Deaf Schools for the. Collective exhibit from schools at Colorado Springs, Col.; Hartford, Conn.; Washington, D. C.; En- glewood, Ill.; Indianapolis, Ind.; Olathe, Kan.; Danville, Ky.; Frederick City, Md.; Northampton, Mass.; Flint, Mich.; Fari- bault, Minn.; Omaha, Neb.; Trenton, N. J.; Buffalo, Fordham and New York, N. Y.; Cincinnati; and Columbus, Ohio; Edge- wood Park, Pa.; Mt. Airy and Scranton, Pa.; Cedar Springs, S. C.; Delavan, Wis. and Salt Lake City, Utah. Gal. A, A-7 849	
nati, Technical School of, Cin- students' work. Gal. K, T-1 844, 851	160e. Denison, James, Washington, D. C. Fraction teacher. Gal. A, A-7 842	
University, Orangeburg, S. C. work. Gal. A, E-1 851	161. De Pauw University, Greencastle, Ind. Almucantar and photographs. Gal. I, Z-7 851	
University, Atlanta, Ga. Stu- c. Gal. A, E-1 851	162. Egypt, Collective Exhibit of Schools of. Gal. I, Z-5 842	
	a Common school products. 842	
	b Handicraft. 844	
	c Technical school products. 847	
	162a. Feeble-minded, Schools for the. Col- lective exhibit from schools at Glen Ellen, Cal.; Lakeville, Conn.; Lincoln, Ill.; Fort Wayne, Ind.; Glenwood, Ia.; Frankfort, Ky.; Font Hill, Md.; Barre, Mass.; Waverly, Mass.; Fariabault, Minn.; Beatrice, Neb.; Viasoland, N. J.; Syracuse, N. Y.; Columbus, Ohio; Elwyn, Pa.; Vancouver, Wash. and Orilla, Ont. Gal. A, A-7 849	

## Primary, Secondary and Superior Education.

Exhibit No.	Class No.	Exhibit No.	Class No.
163. Florida, State of. Educational exhibit.	Gal. A, E-1 850	176. Kane, Thos., & Co., Chicago. School desks and slates.	Gal. I, Z-17 842
163a. Gallagher, Mrs. French, Chicago. Penmanship by pupils of Cash Girls' School.	Gal. F, U-103 841	School furniture and apparatus of every description. Sole publishers of the Seartha Charts of Life. Largest manufacturers of school slates in the world. No. 139 Wabash Ave.	
163b. Girard College, Philadelphia. Students' work, photographs, etc.	Gal. K, H-6 852	176a. Kansas State Agricultural College, Manhattan, Kan. Students' work, drawings, etc.	Gal. A, A-17 842
164. Girls' Classical School, Indianapolis, Ind. School work.	Gal. I, Z-5 851	177. Kansas State Normal School, Emporia, Kan. Students' work.	Gal. A, A-17 841
165. Hahnemann Medical College and Hospital, Philadelphia. Anatomical specimens, views of college, etc.	Gal. I, Z-5 852	178. Kansas, State of. Educational exhibit.	Gal. A, A-17 830
166. Hamilton College, Clinton, N. Y. Books, astronomical charts, etc.	Gal. K, K-6 851	178a. Kaselowsky, Elisabas. German kindergarten work.	Gal. F, V-103 841
167. Hamline University, St. Paul, Minn. Photographs, charts, written work, books, etc.	Gal. A, A-7 851	178b. Kentucky, State of. Educational exhibit.	Gal. I, T-15 831
168. Hampton Normal and Agricultural Institute, Hampton, Va. Educational and technological work of colored and Indian students.	Gal. I, V-1 848, 852	178c. La Porte Training School, La Porte, Ind. Kindergarten work.	Gal. I, Z-7 842
169. Harvard University, Cambridge, Mass. Charts, photographs, publications, etc.	Gal. K, O-6 851	178d. Lehigh University, South Bethlehem, Pa. Students' work, photographs, drawings, etc.	Gal. K, I-6 851
169a. Hobart College, Geneva, N. Y. Photographs.	Gal. K, K-6 851	178e. Louisiana, State of. Educational chart.	Gal. I, Z-5 830
169b. Hunt, Mary H., Hyde Park, Mass. Work of scientific temperance instruction in public schools.	Gal. K, K-1 850	178f. Maine State College, Orono, Me. Collections, analyses, shop-work, etc.	Gal. K, O-1 841
170. Indian Industrial School, Carlisle, Pa. Work, photographs, courses of study, etc.	Gal. I, Z-7 848	179. Maine, State of. Educational exhibit.	Gal. K, O-1 842
171. Indiana State Normal School, Valparaiso, Ind. Maps, charts, etc.	Gal. I, Z-7 852	180. Martin, Kate Byam, Chicago. Form and color work.	Gal. A, D-21 830
171a. Indiana, State of. Educational exhibit.	Gal. I, Z-7 850	181. Maryland, State of. Educational exhibit.	Gal. I, V-7 840
172. Indiana University, Bloomington, Ind. Maps, charts, books, etc.	Gal. I, Z-7 851	182. Massachusetts Institute of Technology, Boston. Books, theses, apparatus shop-work, etc.	Gal. K, Q-6 832
172a. Iowa State Normal School, Cedar Falls, Ia. School exhibit.	Gal. A, D-17 852	Scientific and technological education. Francis A. Walker, LL.D., president, H. W. Tyler, Ph. D., secretary.	
173. Iowa, State of. Educational exhibit.	Gal. A, D-17 850	183. Massachusetts Normal Art School, Boston. Students' work.	Gal. A, F-19 and Gal. K, O-6 842
173a. Jacksonville School of Fine Arts, Jacksonville, Ill. Students' work.	Gal. A, F-15 846	183a. Massachusetts State Normal School. Collective exhibit from schools at Bridgewater, Framingham, Salem, Westfield and Worcester.	Gal. K, O-1 832
174. Jewish Training School, Chicago. Shop-work, drawings, literary work, etc.	Gal. K, U-1 847	184. Massachusetts, State of. Educational exhibit.	Gal. K, O-1 830
175. Johns Hopkins University, Baltimore. Books, photographs, drawings, etc., illustrating its work.	Gal. I, V-7 851	185. McClelland, Mary A., Albany, N. Y. Ocular demonstrator.	Gal. F, U-103 842
175a. Josephinum (Papal College), Columbus, Ohio. Exhibit of literary and industrial work.	Gal. I, Z-32 851	186. Michigan Agricultural College, Agricultural College, Mich. Products of fields, shops, laboratories, class-rooms, etc.	Gal. I, U-4 832

## Primary, Secondary and Superior Education.

	Class'n No.	Exhibit No.		Class'n No.
gan State Normal School, Ypsil-		197.	New York State Normal Schools.	
Students' work.			Collective exhibit from schools at Cort-	
Gal. I, U-1	852		land, Fredonia, Oneonta, Oswego and	
gan, State of. Educational ex-			Plattsburg.	Gal. K, L-6 852
Gal. I, U-1	850	198.	New York, State of. Educational ex-	
gan, University of, Ann Arbor,			hibit.	Gal. K, L-6 850
ans, photographs, publications,		199.	New York Trade School, New York.	
Gal. K, R-6	851		Students' work, courses of instruction, etc.	
apolis School of Fine Arts,			Gal. K, U-1	847
is, Minn. Students' work.		199a.	New York, University of the City of,	
Gal. A, F-15	846		New York. Maps, apparatus, models,	
sota State Normal Schools.			photographs, etc.	Gal. K, K-8 851
exhibit from schools at Man-		199b.	New York, University of the State of,	
head, St. Cloud and Winona.			Albany, N. Y. System of incorporation	
Gal. A, A-7	852		and supervision.	Gal. K, K-8 851
sota, State of. Educational ex-			476 high schools, academies, colleges, pro-	
Gal. A, A-7	850		fessional and technical schools. State li-	
sota, University of, Minneapolis,			brary, state museum, examinations, exten-	
otographs, charts, students'			sion, public and traveling libraries depart-	
Gal. A, A-7	851		ments, publications, photographs, sample	
ri, State of. Educational ex-			apparatus, administrative forms, creden-	
Gal. I, V-17	850		tials, etc.	
ri, University of the State of,		199c.	North Dakota, State of. Educational	
Mo. Students' work.			exhibit.	Gal. I, Z-10 850
Gal. I, V-17	851	199d.	Notre Dame University, Notre Dame,	
a, State of. Educational ex-			Ind. Historical documents, relics and	
Gal. I, Z-10	850		portraits.	Gal. I, V-28 851
yoke College, South Hadley,		200.	Oberlin College, Oberlin, Ohio. Views,	
tory, photographs, students'			diagrams, books, etc.	Gal. I, truss T-11 851
Gal. K, O-6	851	201.	Ogontz School, Ogontz, Pa. Pic-	
of Fine Arts, Boston. Stu-			tures, casts, specimens, schedules, etc.	
Gal. A, Truss F-19	846		Gal. K, I-6	851
structors F. W. Benson, E. C.		202.	Ohio Normal University, Ada, Ohio.	
Walker, J. L. Smith, E. W.			Students' work.	Gal. I, T-11 852
Cross. Circulars giving detail-		202a.	Ohio, State of. Educational exhibit.	
address Miss Lombard, Mgr.			Gal. I, T-11	850
Eclectic Medical Associa-		203.	Ohio Wesleyan University, Delaware,	
o. Books, diplomas, medi-			Ohio. Students' work.	Gal. I, Truss T-11 851
Gal. I, Z-4	852	203a.	Olmsted, W. A., Chicago.	
Kindergarten and Normal			a Blackboards.	Gal. K, U-1 842
ashington, D. C. Children's			b Scientific apparatus for schools.	
Gal. A, D-23	841		Gal. E, R-101	846
a, State of. Educational ex-		203b.	Oregon, State of. Educational exhibit.	
Gal. A, D-11	850		Gal. A, D-17	850
a, University of, Lincoln,		203c.	Oregon, University of, Eugene, Ore.	
ratory exhibit, views, charts,			Catalogues, photographs, diagrams, etc.	
Gal. A, D-8	851		Gal. A, D-17	851
mpshire, State of. Educa-		204.	Pennsylvania Academy of Fine Arts,	
Gal. K, U-1	850		Philadelphia. Students' work.	
sey State Normal & Model			Gal. A, F-11	846
nton, N. J. Students' work.		205.	Pennsylvania Museum and School of	
Gal. A, E-1	852		Industrial Art, Philadelphia. Students'	
sey, State of. Educational			work.	Gal. A, F-11 846
Gal. A, E-6	850	206.	Pennsylvania State College, State	
xico, Territory of. Educa-			College, Pa. History, maps, apparatus,	
Gal. A, A-5	850		students' work, etc.	Gal. K, F-8 851

## Primary, Secondary and Superior Education.

- | Exhibit No.   | Class'n No. | Exhibit No.   | Class'n No. |
|---|-------------|---|-------------|
| <b>206a. Pennsylvania State Normal Schools.</b><br>Collective exhibit from schools at Bloomsburg, Indiana, Kutztown, Slippery Rock and West Chester. Gal. K, E-6  | 852         | <b>219. School of Industrial Art and Technical Design for Women, New York.</b><br>Gal. A, F-15  | 846         |
| <b>207. Pennsylvania, State of. Educational exhibit.</b><br>Gal. K, F-6   | 850         | Entirely woman's work. These designs can be manufactured from - by weaving or printing—at once, as they are all thoroughly practical working designs. Can be taught by correspondence. For further particulars address Mrs. Florence Elizabeth Cory, 134 Fifth Avenue, New York City, N. Y. |             |
| <b>207a. Pennsylvania, University of, Philadelphia.</b> Maps, publications, collections, etc.<br>Gal. K, H-8  | 851         | <b>220. Smith College, Northampton, Mass.</b><br>Photographs and pamphlets.<br>Gal. K, O-6  | 851         |
| <b>208. Philadelphia School of Design for Women, Philadelphia.</b> Students' work.<br>Gal. A, Truss F-11  | 846         | <b>221. South Dakota, State of. Educational exhibit.</b><br>Gal. A, A-7   | 850         |
| <b>210. Prang Educational Company, Boston.</b><br>Models, text-books, drawings, materials, etc.<br>Gal. A, E-8  | 846         | <b>221a. South, University of the, Sewanee, Tenn.</b> Photographs of buildings.<br>Gal. I, W-1  | 851         |
| The Prang course in art education for public schools, and the course of instruction in the Prang normal art classes.  |             | <b>222. Spring Garden Institute, Philadelphia.</b><br>Drawings, paintings, wood and metal work, etc.<br>Gal. A, F-11  | 846, 847    |
| <b>211. Pratt Institute, Brooklyn, N. Y.</b><br>Gal. K, E-1   |             | <b>223. St. John's College, Annapolis, Md.</b><br>Students' work, photographs, catalogues, etc.<br>Gal. I, Z-5  | 851         |
| a Manual work.  | 843, 844    | <b>223a. St. Louis Manual Training School of Washington University, St. Louis.</b> Drawings and shop-work.<br>Gal. K, Q-1   | 844, 851    |
| b Science teaching.   | 845         | <b>223b. St. Louis School of Fine Arts, St. Louis.</b> Students' work.<br>Gal. A, F-19  | 846         |
| c Industrial and fine art.  | 846         | Halsey C. Ives, Director.   |             |
| d Technical and trade work.   | 847         | <b>249. Tadd, J. Liberty, Philadelphia.</b> Industrial art and manual training.<br>Gal. I, U-1  | 846, 847    |
| e Literary work.  | 851         | <b>252. Toledo Manual Training School, Toledo, Ohio.</b><br>Gal. K, R-1   |             |
| This institute was founded by Charles Pratt for the promotion of art, science, literature, industry and thrift. Ten departments showing complete exhibit of courses of study, organization and equipment. Four thousand students enrolled in 1891-92, and 125 teachers. |             | a Exhibit of girls' work.   | 843         |
| <b>211a. Princeton College (College of New Jersey), Princeton, N. J.</b> Books, manuscripts, models, photographs, etc.<br>Gal. K, N-6   | 851         | b Exhibit of boys' work.  | 844         |
| Founded in 1756, it was prominent in the War for Independence and the formation of the federal government; its graduates have held the foremost positions in the federal and state governments and in the provinces.  |             | <b>252a. Teachers' College, New York.</b> Graded course in manual training.<br>Gal. K, M-6  | 852         |
| <b>212. Purdue University, La Fayette, Ind.</b><br>Shop-work, models, apparatus, theses, etc.<br>Gal. I, Z-7  | 851         | <b>253. Tufts College, Tufts College, Mass.</b><br>Photographs, charts, etc.<br>Gal. K, O-6   | 851         |
| <b>213. Rensselaer Polytechnic Institute, Troy, N. Y.</b> Work of students and graduates.<br>Gal. K, G-1  | 852         | <b>254. United States School Furniture Company.</b> School furniture.<br>Gal. I, Z-11   | 842         |
| <b>214. Rhode Island, State of. Educational exhibit.</b><br>Gal. K, R-1   | 850         | <b>254b. Utah, Territory of. Educational exhibit.</b><br>Gal. A, A-7  | 850         |
| <b>215. Ripon College, Ripon, Wis.</b> Photographs, students' work, catalogues, etc.<br>Gal. A, D-7   | 851         | <b>263. Vassar College, Poughkeepsie, N. Y.</b><br>Photographs, books, methods, etc.<br>Gal. K, K-6   | 851         |
| <b>216. Rochester Athenaeum &amp; Mechanics' Institute, Rochester, N. Y.</b> Drawings, paintings, modeling, etc.<br>Gal. K, M-1   | 846         | <b>265. Wellesley College, Wellesley, Mass.</b><br>Photographs, charts, etc.<br>Gal. K, O-6   | 851         |
| <b>216a. Rochester University, Rochester, N. Y.</b> Photographs, publications, etc.<br>Gal. K, K-6  | 851         | <b>266. Western University of Pennsylvania.</b><br>Allegheny, Pa. Photographs and publications.<br>Gal. K, H-8  | 851         |
|   |             | The College. Engineering schools. Allegheny Observatory. Medical College.   |             |
|   |             | <b>266a. West Virginia, State of. Educational exhibit.</b><br>Gal. K, E-1   | 850         |

eler, C. Gilbert, Chicago. Sci- arts. Gal. I, Z-17	Class'n No. 845	Exhibit No. •	281c. Bancroft, A. L., San Francisco. Township map. Gal. E, E-103	Class'n No. 864
erforce University, Wilberforce, tudents' work. Gal. I, Truss T-11	851	281d. Barbee & Smith, Nashville, Tenn. Books. Gal. E, H-108	854	
umette University, Salem, Ore. work. Gal. A, D-17	851	282. Bardeen, C. W., Syracuse, N. Y. School publications, maps, supplies, etc. Gal. E, K-108	855	
ams College, Williamstown, tographs, books, instruments, Gal. K, O-6	851	Gold medal awarded Paris Exposition 1889.		
onsin State Normal Schools. xhibit from schools at Milwau- osh, Platteville, River Falls and er. Gal. A, D-7	852	283. Barrie, George, Philadelphia. Books and engravings. Gal. E, G-108	854	
onsin, State of. Educational Gal. A, D-7	850	284. Betz, Carl, Kansas City, Mo. Gym- nastic manuals. Gal. E, I-108	855	
onsin, University of, Madison, rk of students and graduates, hs, etc. Gal. A, D-7	851	285. Bonaventure, E. F., New York. Books, bindings, manuscripts, etc. Gal. E, K-109	854	
n's College of Baltimore, Balti- t collection, chemical prepar- els, views, etc. Gal. I, V-7	851	285a. Bradley, Will H., Chicago. Original drawings. Gal. E, I-108	854	
n's Medical College of Penn- sylvaniam. Photographs, etc. Gal. I, Z-8	852	286. Britannica Publishing Company of Chicago. Encyclopedia and other books. Gal. E, F-107	854	
ngman's School, New York. work. Gal. K, L-6	843, 844, 851	Britannica and Webster's Reprint; Ameri- can Farming; Binion's Ancient Egypt.		
Miss Leota, Harris, Col. De- all paper. Gal. F, U-108	852	287. Brodix Publishing Co., Washington, D. C. Monthly magazine. Gal. F, U-103	854	
niversity, New Haven, Conn. tographs, books, models, etc. Gal. K, T-6	851	287a. Brown, Geo. P., Bloomington, Ill. School journal. Gal. E, I-108	854	
views of University buildings, d interiors, apparatus and		288. Campbell, J. B., Chicago. Illustrated magazine and lithographs. Gal. D, C-108	857	
		288a. Catholic Educational Exhibit. Col- umbian Library of Catholic authors. Gal. I, V-28	854	
		289. Central School Supply House, Chi- cago. School supplies. Gal. E, F-105	855	
		290. Century Company, New York. Books, magazines, drawings and materials for wood engraving. Gal. E, D-109	854	
		The Century Magazine, St. Nicholas, Cen- tury Dictionary, Century War Book, Lincoln Life, hymn books, miscellaneous books, val- uable manuscripts (especially of Lincoln and Grant), original pictures and proofs, showing how manuscripts and illustrations are prepared for publication.		
		291. Colby & Co., New York. Historical charts. Gal. E, F-107	854	
		292. Columbian Engraving & Publish- ing Co., Philadelphia. Engravings and half-tone reproductions. Gal. E, L-106	854	
		292a. Columbian History Co., Chicago. Art history of the Exposition. Gal. D, C-108	854	
		292b. Corner, William, San Antonio, Texas. Books. Gal. E, I-108	854	
		293. Davis, F. A., Company, Philadelphia. Medical books, charts and periodicals. Gal. E, E-103	854	

## Literature, Books, Libraries, Journalism.

- | Exhibit No.  | Class'n No.       | Exhibit No.   | Class'n No.       |
|--|-------------------|---|-------------------|
| 294. Dickert, Clara, Chicago. Relief map of Palestine.   | Gal. F, U-108 864 | States, Canada and London. The best and finest pictures for the least money. Prize medal awarded at Centennial Exposition, 1876. Send for illustrated catalogue.  |                   |
| 295. Donham, G. M., Portland, Me. Maine state year book.   | Gal. E, I-108 862 | 311. Houghton, Mifflin & Co., Boston. Books and magazines.  | Gal. E, F-108 864 |
| 296. Duprat & Co., New York. Books.  | Gal. E, E-108 854 | The Riverside Press, Cambridge, Mass.; 4 Park St., Boston; 11 East 17th St., New York; 28 Lakeside Building, Chicago; 2 Paternoster Square, London. Publishers of the works of the leading American authors, Longfellow, Whittier, Emerson, Lowell, Holmes, Hawthorne, etc.       |                   |
| 298. Estes & Lauriat, Boston. Books.   | Gal. E, K-109 854 | 311a. Hubbard, H. P., New York. Administration Bld'g, Pavilion C.   |                   |
| 299. Fairbank & Rolison, Chicago. School books.  | Gal. E, E-107 855 | a Magazines and newspapers.   | 854               |
| 300. Fishel, Adler & Schwartz, New York. Engravings, etchings, etc.  | Gal. E, L-107 854 | b Technical and industrial journals.  | 856               |
| 301. Flanagan, A., Chicago. Teachers' books, charts, maps, apparatus, etc.   | Gal. E, D-108 855 | c Illustrated newspapers.   | 857               |
| 301a. French-Sheldon, Mrs. May, London. Eng. Books of travel.  | Gal. D, F-108 854 | d Newspapers and statistics.  | 858               |
| 302. Freund, Wm., & Sons, Chicago. Copper plate and steel die work.  | Gal. E, L-108 854 | e Statistics of journalism.   | 859               |
| 302a. Funk & Wagnalls, New York. English dictionary.   | Gal. E, I-108 854 | 313. Ives, James T. B., Philadelphia. Strata, altitude and historical maps of the United States.  | Gal. D, E-103 864 |
| 303. Gillam, M. M., Philadelphia. Historical chart.  | Gal. D, E-103 864 | 314. Judd, Orange, Company, New York. Books and periodicals.  | Gal. E, F-108 854 |
| 304. Ginn & Co., Boston. School books, charts, etc.  | Gal. E, E-107 855 | Publishers of the "American Agriculturist," books on agriculture, horticulture and rural arts. Catalogue of books and sample copy of "American Agriculturist" mailed free on application. See our exhibit, Section E. Gallery department, Manufactures and Liberal Arts Building. |                   |
| 305. Globe Lithographing and Printing Co., Chicago. Photogravures.   | Gal. E, O-103 854 | 315. Keener, Wm. T., Company, Chicago. Medical books.   | Gal. E, F-103 854 |
| 306. Good Health Publishing Company, Battle Creek, Mich. Books, pamphlets, etc.  | Gal. E, E-104 854 | 316. Kellogg, E. L., & Co., New York. School books, charts, maps, appliances, etc.  | Gal. E, D-108 855 |
| Publisher of "Good Health" and various popular health and medical works. 28 College Place, Chicago; 43 Bond st., New York City; 451 Holloway Road, N. London, England. |                   | 317. Leach, Shewell & Sanborn, Boston. School books.  | Gal. E, E-107 855 |
| 307. Gugler Lithographic Company, Milwaukee, Wis. Lithographs.   | Gal. E, K-103 854 | 318. Levtype Company, Philadelphia. Engravings, prints, etc.  | Gal. E, K-104 854 |
| 308. Harper & Bros., New York.   | Gal. E, E-109     | 319. Lieber, B. Franklin, New York. Telegraphic Cipher and Manual.  | Gal. E, I-108 854 |
| a Books, magazines, drawings, engravings, etc.   | 854               | The most complete Cipher Code extant. Endorsed by the leading bankers and importers of the world. Over 2,000 have been sold—the names appear monthly in Lieber's Manual. Send for list of subscribers.  |                   |
| b Illustrated papers.  | 857               | 320. Lippincott, J. B., Company, Philadelphia. Books.   | Gal. E, E-108 854 |
| 309. Heath, D. C., & Co., Boston. School books, charts, maps, etc.   | Gal. E, E-106 855 | 320a. Lothrop, D., Co., Boston. Books, magazines, original sketches, etc.   | Gal. E, I-108 854 |
| 309a. Hefley, N. P., Brooklyn, N. Y. Phonographic text-books.  | Gal. E, E-105 854 |   |                   |
| 310. Hoover, Joseph, Philadelphia. Lithographic fac-similes of pastels and water colors.   | Gal. E, K-105 854 |   |                   |
| Est. 1858. Lithographer and publisher of fac- and water colors, for sale by throughout the United  |                   |   |                   |

Literature, Books, Libraries, Journalism.

	Class No.	Exhibit No.	Class No.
ovell, A., & Co., New York. Books, charts, etc.	Gal. E, E-106 855	334. Phonographic Institute, Cincinnati. Phonographic text-books.	Gal. E, E-106 855
anning, Thomas, New York. American shorthand text-books by Benn Pitman and Jerome B. Howard. The standard of American shorthand instruction since 1853. Silver medal at Cincinnati, 1898. Designated as the "American System of Shorthand" in the Official Report of the Commissioner of Education, 1887-8.	Gal. E, E-108 854		
anufacturers' Publishing Company, New York. Directory of manufacturers.	Gal. E, E-108 860		
anz, J., & Co., Chicago. Lithographs.	Gal. E, L-107 854	335. Plimpton, Geo. A., New York. Historical collection of school books.	Gal. E, E-107 855
arks, Montague, New York. Books of illustrating an art magazine.	Gal. D, D-108 857	336. Post, Alfred A., Boston. Volapuk literature.	Gal. E, L-108 468
Clurg, A. C., & Co., Chicago. Establishment at 117-121 Wabash has been called "The best book in the world."	Gal. E, F-108 854	336a. Powers, O. M., Chicago. Text books.	Gal. E, H-108 854
rriam, G. & C., Co., Springfield, Webster's dictionaries.	Gal. E, E-100 854	336b. Practical Text Book Co., Cleveland, Ohio. Text books.	Gal. E, L-108 855
rgan, W. J., & Co., Cleveland, Lithograph.	Gal. E, K-105 854	337. Prang, L., & Co., Boston. Chromolithographic art prints.	Gal. E, K-108 854
ss Engraving Company, New Engravings.	Gal. E, L-106 854	337a. Radtke, Lauckner & Co., New York. Etchings and engravings.	Gal. E, M-103 854
tt, John M., Chicago. Chart of English Alphabet.	Gal. E, F-108 854	338. Rand, McNally & Co., Chicago.	Gal. E, M-108 854
tional Christian Science Publishing Society, Chicago. Books, pamphlets, magazines.	Gal. E, B-108 854	a Books, printing, engraving, etc.	854
England Publishing Company, Teachers' books and periodicals.	Gal. E, E-107 855	b Maps, globes, etc.	864
New York, State of. Relief map.	Gal. F, V-108 864	339. Revell, Fleming H., Company, Chicago. Books and periodicals.	Gal. E, E-108 854
Court Publishing Company, Books, magazines and charts.	Gal. E, C-108 854	339a. Ricketts, C. Lindsay, Chicago. Specimens of engrossing and illuminating.	Gal. E, K-103 854
ann, J., Lithographing Co., New York. Lithographing establishment entire process of making and lithographs. ("Puck" building Horticulture Building.)	854	340. Salem Press Publishing & Printing Co., and Essex Institute, Salem, Mass. Books, charts and engravings.	Gal. E, I-108 854
ard, S. S., New York. Text	Gal. E, I-108 855	Historical and scientific publications of Essex Institute, including its bulletin and collections, and the reports and memoirs of Peabody Academy of Science; also local historical sketches, guides, itineraries for visitors, etchings of Salem, etc. See E. I. exhibit in Massachusetts Building.	
dis, D. A., Coal City, Ill. Mag- Illustrated Volume in 150 fan-	Gal. I, V-28 854	341. Schedler, Hermann, New York.	Gal. E, L-107 854
Commissioners of Boston, Bos- ps and photographs of park sys-	Gal. K, N-1 864	a Lithographs.	854
sylvania. State of. Meteorolo- gies.	Gal. E, T-108 864	b Geographical globes.	864
n, D. A., & Co., Chicago. Sun- requisites.	Gal. E, I-108 854	342. Scholl, Bruno, Chicago. Show post- ers.	Gal. E, M-103 854
L 3		343. Scribner's, Charles, Sons, New York. Books, magazines, manuscripts, drawings, engravings, etc.	Gal. E, G-108 854
		344. Seeger & Guernsey Co., New York. Cyclopædia of manufactures and prod- ucts.	Gal. E, H-108 854

## Literature, Books, Libraries, Journalism, Instruments of Precision, Photography.

Exhibit No.	Class'n No.
345. Shober & Carqueville Lithographing Co., Chicago. Lithographs.	Gal. E, L-106 854
346. Silver, Burdett & Co., Boston. School books, charts, maps, etc.	Gal. E, E-105 855
346a. Soule, Geo., New Orleans. Books on business methods, etc.	Gal. E, H-108 854
347. Thayer & Chandler, Chicago. Air brush and paintings produced by it; ink eraser.	Gal. E, M-103 854
347a. Thompson, Brown & Co., Boston. School books.	Gal. D, D-103 855
348. Tuchfarber, F., Company, Cincinnati. Show cards.	Gal. E, L-105 854
349. University Publishing Company, New York. School text-books.	Gal. E, E-105 855
350. Wells, Charles R., Syracuse, N. Y. System of penmanship.	Gal. E, K-108 855
351. Wells, Emmeline B., Salt Lake City, Utah. Illustrated book.	Gal. F, U-108 854
352. Western Bank Note & Engraving Co., Chicago. Steel plate and lithographic engravings.	Gal. E, M-108 854
Estab. 1864. Engravers and printers of bonds, stock certificates, bank notes, stamps, tickets, drafts, letter heads, etc. Its work is accepted on New York Stock Exchange.	
353. Western School Journal, Topeka, Kan. School journals.	Gal. A, A-17 854
354. Wilson, G. H., Boston. Musical publications.	Sec. I, U-1 854
354a. Winters Art Lithograph Co., Chicago. Lithographs.	Gal. E, L-108 854
355. Wood, Wm., & Co., New York. Medical books.	Gal. E, F-108 854
355a. Wuster, Chas., Providence, R. I. Engravings.	Gal. E, K-105 854
356. Zeese, A., & Co., Chicago. Process engravings, electrotypes, etc.	Gal. E, K-104 854
Plates for letter-press printing. Half-tone engravings direct from photographs, wash drawings, etc. Zinc etchings from pen drawings or prints. Wax engravings of maps, plats, etc. Lithogravures of fine lettering and ornamentation. Photo-electrotype reproductions of book pages.	

## GROUP 151.

Instruments of Precision, Experiment, Research and Photography.  
Photographs.

Exhibit No.	Class'n No.
357. Albertype Company, New York. Albertypes.	Gal. E, O-108 871
358. Albright, Franc Luse, Albuquerque, New Mexico. Photographs.	Gal. F, U-103 871
360. Alteneder, Theo., & Sons, Philadelphia. Drawing instruments.	Gal. E, M-103 867
361. American Aristotype Company, Jamestown, N. Y. Photographs on aristo paper.	Gal. E, Q-103 871
362. American Cash Register Company, Chicago. Cash register.	Gal. E, Truss R-101 865
362a. Andrews, E. R., Rochester, N. Y. Cameras and photographic apparatus.	Gal. E, S-108 871
363. Anthony, E. & H. T., & Co., New York. Photographic apparatus and supplies.	Gal. E, P-103 871
364. Appleton, J. M., Dayton, Ohio. Photographs.	Gal. E, N-104 871
365. Aune, Portland, Ore. Photographs.	Gal. E, P-104 871
366. Baker's Art Gallery, Columbus, Ohio. Photographs.	Gal. E, N-105 871
367. Ball-Ball Company, Limited, Philadelphia. Drawing instruments.	Gal. E, N-103 867
368. Bausch & Lomb Optical Co., Rochester, N. Y. Optical goods.	Gal. E, P-101 874
368a. Bellsmith, R. P., Cincinnati, Ohio. Photographs, crayon and pastel portraits, etc.	Gal. E, P-108 871
369. Bentley, W. G., Chicago. Micro-preparations of chemical substances.	Gal. E, Truss P-401 874
370. Blair Camera Company, Boston. Photographic apparatus.	Gal. E, Q-103 871
371. Boston Cash Register Company, Northampton, Mass. Cash registers.	Gal. E, S-102 865
372. Brashear, Jno. A., Allegheny, Pa. Telespectroscopes, telescopes, spectroscopes, etc.	Gal. E, N-102 871
373. Breese, James L., New York. Carbon portraits and reproductions.	Gal. E, N-108 871
374. Buff & Berger, Boston.	Gal. E, M-101 867
a Surveyors' instruments.	867
b Engineers' instruments.	868

## Instruments of Precision, Experiment, Research and Photography. Photographs.

	Class'n No.	Exhibit No.	Class'n No.
Chicago Autographic Register Co., a. Autographic registers. Gal. E, Truss R-101	865	390a. Gentile, C., Chicago. Photographs. Gal. E, P-107	871
Chicago Photogravure Company, a. Photogravures. Gal. E, O-108	871	390b. Gibson, J. J., Chicago. Photographs. Gal. E, O-108	871
Clark, D. R., Chicago. Photographs. Gal. E, P-108	871	390c. Gilbert & Bacon, Philadelphia. Photo- graphs. Gal. E, O-107	871
Clant, Hezekiah, Pawtucket, R. I. etc. Gal. E, N-108	873	391. Gramm, Carl T., Keokuk, Iowa. Photo-micrographs. Gal. D, truss 98	871
Cover, D. R., Chicago. Photo- graphs. Gal. E, N-105	871	391a. Greene, John T., Chicago. Cash registers. Gal. E, R-101	865
Cramer, G., Dry Plate Works, St. Photographic dry plates. Gal. E, T-103	871	391b. Griffith, E. H., Chicago. Microscopes and objectives, turntables, etc. Gal. E, O-101	874
Cundale, Frank G., New York. Graph platinum print. Gal. E, O-108	871	392. Gundlach Optical Company, Roches- ter, N. Y. Gal. E, O-102	866
Curtis, Edw. C., New York. Photo- graphs. Gal. E, O-108	871	a Telescopes. 866	
Davis & Cook, Watertown, N. Y. vels. Gal. E, N-102	868	b Photographic lenses. 871	
Denton Autographic Register Com- pany, Ohio. Autographic tripli- cations. Gal. E, S-101	865	c Microscope stands, etc. 874	
Dick, Miss Myra L., Harrisburg, amateur photographs. Gal. F, V-103	871	393. Gurley, W. & L. E., Troy, N. Y. Gal. E, Truss M-101	867
Dodge-Kodak Company, Roches- ter. Photographic goods. Gal. E, P-103	871	a Surveyors' instruments. 867	
Dodge, Geo. M., & Co., Brooklyn, N. Y. graph tapes. Gal. E, R-101	865	b Civil engineers' instruments. 868	
Dodge, Sarah J., Providence, R. I. phot. Gal. F, V-103	871	394. Gutekunst, The F., Company, Phila- delphia. Photographic portraits and pho- to-mechanical printing. Gal. E, N-108	871
Dodge, David, New York. Photo- graphs. Gal. E, O-108	871	395. Hardy, F. A., & Co., Chicago. Optical instruments and apparatus for fitting the eyes. Gal. E, Truss R-101	874
Dodge-Tint Engraving Company, Ohio. Half-tone engravings. Gal. E, P-103	871	396. Harrison, Thomas, Chicago. Photo- graphs. Gal. E, O-108	871
Dodge, J. M., Columbus, Ohio. Pho- tographs. Gal. E, N-104	871	397. Hatton, M. F., Princeton, Ind. Pho- tographs. Gal. E, P-108	871
Dodge, Emma J., Albany, N. Y. photographs. Gal. E, O-103	871	398. Heimberger, C., & Son, New Albany, Ind. Photographs. Gal. E, P-104	871
Dodge & Co., Washington, D. C. es, astronomical apparatus and instruments. Gal. E, Truss M-101	866	398a. Hobart, C. M., Chicago. Photo- gravures. Gal. E, O-103	871
Dodge & Tarrant M'fg Co., Chicago. eter, comphotograph, etc. Gal. E, R-101	865	399. Hohmann & Maurer M'fg Co., Brook- lyn, N. Y. Thermometers and steam gauges. Gal. E, Truss M-101 and on steam plant in Machinery Hall. 874	
Dodge key operated adding and uni- lating machine. Comphotograph into a list of items added. Gal. E, R-101	865	399a. Illinois, State Microscopical Society of. Microscopes, scientific photographs, etc. Gal. E, O-101	874
Dodge Optical Company, Chicago. oods. Gal. E, Q-102	874	400. Inglis, James, Chicago. Bromide photographs. Gal. E, S-103	871
Dodge's of spectacles and oculists' cases, lens measures, photo- copies, optical goods generally.		401. Jackson, W. H., Photograph & Pub- lishing Co., Denver, Col. Photographic views of landscape. Gal. E, P-103	871
		401a. Kenwood Observatory, Chicago. Photographs. Gal. E, O-101	866
		402. Keuffel & Esser, New York. Sur- veying instruments and drawing mate- rials. Gal. E, M-103	867
		403. Keystone Blue Paper Company, Phil- adelphia. Photographic and drawing papers. Gal. E, S-103	871
		Importers and sensitizers. Information concerning exhibit, papers and prices will be furnished at either of their offices, 425 Locust	

## Instruments of Precision, Experiment, Research and Photography. Photographs.

- | Exhibit No.   | Class'n No. | Exhibit No.   | Class'n No.   |
|---|-------------|---|---------------|
| St., Philadelphia, or at their western factory, Chicago Blue Print Paper Co., 211 and 213 Randolph St., Chicago.  |             | 415. Northwestern University, Evanston, Ill. Barometers, chronograph, etc.  | Gal. E, N-101 |
| 404. Keystone Dry Plate & Film Works, Philadelphia. Photographs, dry plates and specialties. Gal. E, R-103  | 871         | Recording and printing barometer. Printing chronograph by G. W. Hough.  |               |
| Pioneer manufacturer of gelatino-bromide and orthochromatic plates and celluloid films in America. Established 1878. Don't fail to call at our exhibit. |             | 416. Pach Bros., New York. Photographs. Gal. E, N-107   | 871           |
| 405. Klein, George J., Chicago. Photographs. Gal. E, P-107  | 871         | 417. Photo-Materials Company, Rochester, N. Y. Photographic apparatus and supplies, portraits, etc. Gal. E, T-103 | 871           |
| 405a. Knap, Wm. H., Chicago. Photomicrographs. Gal. E, Truss O-101  | 871         | 418. Place, Frank A., Chicago. Photographs and portraits. Gal. E, P-107   | 871           |
| 405b. Kurtz, W., New York. Photographs, crayon portraits, half-tone engravings, etc. Gal. E, H-109  | 871         | 419. Queen & Co., Philadelphia. a Optical goods. Gal. E, Q-102  |               |
| 406. Landy, James, Cincinnati. Photographs. Gal. E, N-106   | 871         | b Scientific apparatus for technical and educational work. Gal. E, Truss N-101                                    | 871           |
| 406a. Latham, V. A., Chicago. Microscopic preparations of histology and pathology. Gal. E, Truss P-101  | 874         | 419a. Quimby, Benj. F., Chicago. Microscopical slides of insects. Gal. E, Truss P-101                             | 871           |
| 407. Levy, Max, Philadelphia. Engraved photographic screens. Gal. E, M-107  | 871         | 420. Radam, Wm., New York. Microphotographs. Gal. E, O-106  | 871           |
| 408. Long, Mrs. J. C., Chester, Pa. Amateur photographs. Gal. F, V-103  | 871         | 421. Randall, H., Ann Arbor, Mich. Photographs. Gal. E, O-106   | 871           |
| 409. Manasse, L., Chicago. Gal. E, R-101  |             | 422. Rau, Wm. H., Philadelphia. Photographs and lantern slides. Gal. E, O-108                                     | 871           |
| a Meteorological instruments. 872   |             | 423. Rhodes, R. S., Chicago. Audiphones. Gal. E, M-106  | 871           |
| b Optical goods. 874  |             | 424. Robinson, S. W., Columbus, Ohio. Velocity meter and templet odontograph. Gal. E, N-101                       | 871           |
| 410. McAllister, T. H., New York. Stereopticons, magic lanterns, etc. Gal. E, M-103   | 874         | 425. Rogers, William A., Waterville, Me. Standards of length; comparing and gauging machines. Gal. E, Truss N-101 | 871           |
| 411. McIntosh Battery & Optical Co., Chicago. Gal. E, N-103   |             | 426. Root, W. J., Chicago. Photographs and portraits. Gal. E, P-108   | 871           |
| a Scientific apparatus for technical and educational work. 867  |             | 426a. Rothberger, H., Denver, Col. Photographs. Gal. E, P-103   | 871           |
| b Optical apparatus. 874  |             | 427. Savage, C. R., Salt Lake City, Utah. Photographic views. Gal. E, P-104                                       | 871           |
| c Electrical apparatus. 875   |             | 428. Scholl, J. B., Chicago. Photographs. Gal. E, P-107   | 871           |
| 412. McMichael, H., Buffalo, N. Y. Photographic studies. Gal. E, N-107  | 871         | 429. Schumacher, F. G., Los Angeles, Cal. Photographs. Gal. E, P-105  | 871           |
| 412a. Meyrowitz, E. B., New York. Microscopes, microtome, etc. Gal. E, Truss P-101  | 874         | 430. Scott, O. P., Chicago. Photographs. Gal. E, P-108  | 871           |
| 412b. Monfort & Hill, Burlington, Iowa. Photographs. Gal. E, O-103  | 871         | 430a. Self-Winding Clock Co., New York. Self-winding astronomical regulator. Gal. E, N-101                        | 871           |
| 412c. Monroe, H. T., Chicago. Microscopic slides of Illinois trees. Gal. E, Truss P-101   | 874         | 431. Slade, Elizabeth Almy, New York. Amateur photographs. Gal. F, U-103  | 871           |
| 413. Morrison, William M., Chicago. Photographs. Gal. E, P-107  | 871         | 432. Smith, James H., & Co., Chicago. Photographic apparatus. Gal. E, S-108                                       | 871           |
| 414. National Cash Register Company, Dayton, Ohio. Cash registers. Gal. E, T-102  | 865         | 433. Standard Manufacturing Company, East Stroudsburg, Pa. Cash registers. Gal. E, S-102                          | 871           |
| 414a. National Chemigraph Co., St. Louis. Photo-reproductions. Gal. E, O-103  | 871         |   |               |

## Civil Engineering, Public Works, Constructive Architecture.

Class'n No.	Exhibit No.	Class'n No.
kel, Geo., Los Angeles, Cal. types and albumen and aristo- Gal. E, O-105 871	449. Greene, Francis V. & Mary A., Philadelphia. Reversible window. Gal. E, R-109 889	
t, S. L., Chicago. Photographs, genre and architectural views. Gal. E, N-108 871	450. Habel, Peter, Chicago. Reversible window. Gal. E, R-109 889	
ss, Julius C., St. Louis. Photo- Gal. E, P-108 871	451. Hackner, E., LaCrosse, Wis. De- signs for church furniture. Gal. F, W-108 889	
st, Wallach & Co., Chicago. phic specialties. Gal. E, O-102 871	451a. Herring & Co., Chicago. Automatic shade carrier. Gal. E, L-108 889	
er & Swasey, Cleveland, Ohio. es and chronographs. Gal. E, N-101 866	451b. Hoffheims, R., Chicago. Wood floor- covering. Gal. E, T-108 889	
scope for the University of Chi- Main floor, M-103	452. Landis, I. L., Lancaster, Pa. Metallic curbing. Gal. E, U-108 879	
ams & Shepard, San Francisco. hs. Gal. E, O-103 871	452a. Loag, Samuel, Philadelphia. Stained glass substitute. Gal. F, V-108 889	
s & Clements, Philadelphia. e photographs. Gal. E, O-108 871	453. McMillan Sash Balance Company, Pittsburg, Pa. Sash balance and locks. Gal. E, Q-109 889	
bridge, Mrs. L. D., Chester, Pa. photographs. Gal. F, U-103 871	454. Minneapolis Folding Shade Co., Min- neapolis, Minn. Folding window shades. Gal. E, R-109 889	
Arthur P., Syracuse, N. Y. rint. Gal. E, P-103 871	454a. Page, Harvey L., Washington, D. C. Architectural photographs. Gal. E, Y-108 889	
& Sons, Philadelphia. Gal. E, truss M-101	455. Poppert, George, Milwaukee, Wis. Blinds, doors and stairs. Gal. E, P-109 889	
eying and mining instruments. 867	456. Rendle, A. Edgcombe, & Co., Phila- delphia. Glass roofing. Gal. E, V-108 889	
neering instruments. 868	456a. Sanguinetti, Percy A., Chicago. Window ventilator. Gal. E, S-108 889	
ayer, Joseph, Philadelphia. es. Gal. E, truss P-101 874	457. Santi, Filippo Luigi, New York. Architectural plans. Gal. E, W-108 889	
<b>GROUP 162.</b>		
ering, Public Works, Con- structive Architecture.	459. Sykes Iron & Steel Roofing Co., Niles, O. Pagoda house. Gal. E, T-108 889	
F. S., Joliet, Ill. School Gal. E, P-108 889	460. Taylor, Samuel C., Chicago. Reversi- ble window. Gal. E, R-109 889	
D. S. Englewood, Ill. et indicator. Gal. E, R-108 889	461. Tracy, Mrs. Harriet Ruth, New York. Models of passenger elevators. Gal. F, U-103 889	
Washington, Angel Island, balance and lock. Gal. E, S-109 889	Safety gravity elevator, also elevator with automatic floors for closing elevator shaft to prevent falling or spreading of fire.	
Roofing Company, Mansfield, d fibre roofing, etc. Gal. E, Q-108 889	461a. Wakefield Sheet Piling Co., Chicago. Sheet piling. Gal. E, L-108 881	
Wall Sheathing Lath Com- go. Wooden sheathing-lath. Gal. E, S-109 889	462. Wall, Wm. E., Somerville, Mass. Graining. Gal. E, T-109 889	
a Paving Co., Chicago. Con- Gal. E, T-108 889	463. Willer Manufacturing Company, Milwaukee, Wis. Window blinds and screens. Gal. E, S-108 889	
er, Mrs. Henry, New York. ts and platforms. Gal. F, U-103 889	464. Wilson, Jas. G., New York. Shut- ters, blackboards, doors, etc. Gal. E, P-109 889	
Sash Balance Company, h balance. Gal. E, Q-109 889	Rolling shutters in steel and wood. Vene- tian blinds, rolling partitions, etc.	

## Government and Law, Commerce, Associations, Organizations, Publications.

- | Exhibit No. |  | Class's No. |
|-------------|--|-------------|
| 465.        | <b>Wolfenden, Mrs. J. H., Highlands,</b><br>Col. Apparatus for removing and replacing windows. Gal. F, U-103 | 889         |

**GROUP 153.****Government and Law.**

- |      |   |     |
|------|---|-----|
| 466. | <b>Cutler Manufacturing Company,</b><br>Rochester, N. Y. Mail chutes and boxes. Gal. E, U-108               | 893 |
| 467. | <b>Morganza Reform School, Morganza,</b><br>Pa. Laces. Gal. F, V-103  | 894 |
| 468. | <b>New York, State of, Comptroller's</b><br>Office. Reports, documents, historical data, etc. Gal. E, T-108 | 890 |
| 469. | <b>New York, State of, Insurance De-</b><br>partment. Reports, documents, statistics, etc. Gal. E, T-108    | 890 |
| 470. | <b>New York, State of, Treasurer's</b><br>Department. Documents, statistics, reports, etc. Gal. E, U-108    | 890 |
| 471. | <b>Stoner, Mrs. James M., Denver, Col.</b><br>Mail box. Gal. F, U-103                                       | 893 |
| 472. | <b>United States Mailing Case Com-</b><br>pany, Boston. Mailing cases for liquids. Gal. E, T-105            | 893 |
| 473. | <b>United States Trade Mark Associa-</b><br>tion, New York. Trade marks, literature and laws. Gal. E, U-107 | 892 |
- A mutual benefit association for protecting trade marks and labels.

**GROUP 154.****Commerce, Trade and Banking.**

- |       |   |     |
|-------|---|-----|
| 474.  | <b>Abbott Machine Company, Chicago.</b><br>Check perforators, canceling machines, money changers, etc. Gal. E, T-106  | 898 |
|       | Dating perforators for R. R. tickets. Check punches made to suit the money of any country. Our machines contain more characters than any other. Bread knives in sets. |     |
| 474a. | <b>Acme Check Perforator Co., Chicago.</b><br>Check perforators. Gal. E, M-107  | 898 |
| 475.  | <b>American Vending Machine Com-</b><br>pany, New York. Vending machines. Gal. E, T-105   | 898 |
| 475a. | <b>Bangs, C. H., Boston. Druggists'</b><br>fixtures. Merck's Pavilion, near 50th street entrance. Gal. E, T-105   | 898 |
| 475b. | <b>Bartlett, C. M., Cincinnati, Ohio.</b><br>System of keeping and teaching accounts. Gal. E, U-106   | 905 |
| 475c. | <b>Bates Manufacturing Co., New York.</b><br>Numbering machines. Dept. J  | 898 |
| 475d. | <b>Burchard, Horatio C., Freeport, Ill.</b><br>Tables for computing bullion values. Gal. E, Truss T-108   | 905 |
| 476.  | <b>Cary, Mrs. James, Jr., Baltimore.</b><br>Chart and stamp system at Young Women's Christian Ass'n. Gal. F, U-103  | 903 |

- | Exhibit No. |  | Class's No. |
|-------------|--|-------------|
| 477.        | <b>Durant, W. N., Milwaukee, Wis.</b><br>Counters for printing-presses, turn-styles, etc. Gal. E, T-107, and Dept. F     | 89          |
| 478.        | <b>Lamson Consolidated Store Service</b><br>Company, Boston. Cash and parcel carriers, mailing cases, etc. Gal. E, T-108 | 891         |
| 479.        | <b>Lamson Store Equipment Company,</b><br>Boston. Registering measuring machines. Gal. E, T-105                          | 898         |
| 480.        | <b>Lightning Check Punch Company,</b><br>Bridgeport, Conn. Check punches, etc. Gal. E, U-107                             | 894         |
| 480a.       | <b>National Time Register Co., Colum-</b><br>bus, Ohio. Time registers. Dept. H  | 906         |
| 481.        | <b>New York Life Insurance Company,</b><br>New York. Diagrams, etc. Gal. E, T-108  | 903         |
| 481a.       | <b>Office Men's Record Co., Chicago.</b><br>System for locating errors, instantaneous index, etc. Gal. E, U-106          | 907         |
| 482.        | <b>Standard Autograph Time Recorder</b><br>Company, Boston. Time recorder. Gal. E, T-107                                 | 899         |

**GROUP 156.****Social, Industrial and Co-operative Associations.**

- |       |   |     |
|-------|---|-----|
| 482a. | <b>Chicago Woman's Educational</b><br>Union, Chicago. Charts, publications, etc. Gal. D, A-102                          | 912 |
| 483.  | <b>Grand Lodge of Good Templars of</b><br>Illinois. Development of the order. Gal. D, A-102                             | 911 |
| 483a. | <b>New York, State of. History of sol-</b><br>diers' monuments in the State of New York with photographs. Gal. E, T-108 | 911 |

**GROUP 157.****Religious Organizations and Systems—Statistics and Publications.**

- |       |  |     |
|-------|--|-----|
| 484.  | <b>American Bible Society, New York</b><br>Bibles, testaments and portions in various languages. Gal. D, A-101                 | 912 |
| 484a. | <b>American Catholic Historical Society</b><br>Philadelphia. Historical documents and relics. Gal. I, V-28                     | 911 |
| 485.  | <b>American Humane Ass'n, Chicago</b><br>Ill. Work of the society in preventing cruelty to animals and children. Gal. E, V-108 | 912 |
| 486.  | <b>American Peace Society, Boston</b><br>Books, treaties, diagrams, etc. Gal. D, A-98  | 912 |
| 487.  | <b>American Tract Society, New York</b><br>Evangelical publications, methods of Gospel work, etc. Gal. D, A-99                 | 912 |
- Founded 1825; prints the common Gospel in 150 languages; issues 12,440 books or tracts

## Organizations and Systems, Statistics and Publications, Musical Instruments.

	Class'n No.	Exhibit No.	Class'n No.
Medicals; took Centennial premium book-binding. Its colporteurs have 1,154,420 families, circulated 15,000 volumes. Total grants, \$2,179,663. Agency, 211 Wabash Ave.		503. Young Men's Christian Association.	
Arch of Christ. (Disciples.) Development and progress. Gal. D, A-102	919	Association exhibit. Gal. D, A-102	924
Arch of the United Brethren in the World. Development and progress. Gal. D, C-102	919	<b>GROUP 158.</b>	
Cordia Publishing House, Chicago. Publications of the Lutheran church. Gal. E, E-104	922	<b>Musie and Musical Instruments--The Theatre.</b>	
ed Sunday-school supplies.		505. Albert, Eugene J., Philadelphia.	
gregational Denomination in Development and progress. Gal. D, A-102	919	Sec. I, P-4	
ner, E., LaCrosse, Wis. Church	919	a Violins, viola, violoncello, etc.	929
er of church furniture in any every artistic in execution.		b Violin tail-piece.	936
ran Church of America. Church ent. Gal. D, B-102	919	506. Albert, John, Philadelphia. Double bass viol.	929
odist Book Concern. Publication Methodist church. Gal. D, D-103	922	506a. Automaton Piano Co., New York.	
odist Episcopal Church. Development and progress. Gal. D, A-103	919	Pianos and automaton attachments. Sec. I, Y-6	930
ial Christian Association. Portraits, publications, etc. Gal. D, A-104	924	507. Bacon, Francis, New York. Pianos.	
al Temperance Society and House, New York. Books, tracts and charts. Gal. D, A-104	924	Sec. I, U-3	930
erusalem Church of America. Book. Gal. D, B-102	919	508. Banks, John W., Chicago. Guitars.	
gian Evangelical Lutheran America. Publications. Gal. D, B-102	919	Sec. I, S-4	928
terian Church in the United Development and progress. Gal. D, A-102	919	510. Bauer, Julius, & Co., Chicago. Pianos.	
Day Baptist Denomination. ers, photographs, etc. Gal. D, C-102	919	Established 1857. First firm to manufacture on a large scale in Chicago. The Bauer piano is specially noted for fine workmanship and construction; ranks among the leading instruments wherever known.	930
Apostleship of Prayer, Exhibit of the society's Gal. I, V-30	924	511. Behr Bros. Company, New York.	
in Church in the United Books, charts, maps, etc. Gal. D, B-102	919	Pianos. Sec. I, P-8	930
Society of Christian Endeavor. Development and progress. Gal. D, A-98	924	512. Bent, Geo. P., Chicago.	
al Peace Union, Washington. ration rules, portraits, etc. Gal. D, A-98	924	Sec. I, P-6	
Frank, Chicago. Altar. Gal. F, W-108	919	a Pianos.	930
		b Reed organs.	935
		513. Boardman & Gray, Albany, N. Y. Pianos. Sec. I, Truss R-8	930
		Manufacturers of highest grade pianos. Established 1837. Send for catalogue.	
		514. Bohmann, Joseph, Chicago.	
		Sec. I, P-3	
		a Mandolins, zithers, guitars, banjos.	928
		First prize medal, Paris Exposition, 1889.	
		b Violins, violas, cellos.	929
		515. Brainard's, S., Sons Company, Chicago. Sheet music, books, etc. Sec. I, W-7	926
		516. Bush & Gerts Piano Co., Chicago. Pianos. Sec. I, U-8	930
		517. Carpenter, E. P., Company, Brattleboro, Vt. Reed organs. Sec. I, T-5	925
		518. Chase, A. B., Company, Norwalk, Ohio. Pianos. Sec. I, U-9	930
		519. Chase Bros. Piano Company, Muskegon, Mich. Pianos. Sec. I, N-7	930
		520. Chicago Cottage Organ Company, Chicago. Sec. I, P-4	
		a Pianos.	930
		b Reed organs.	935
		The largest dealers in pianos and organs in the world. Manufacturers and sole factors of the celebrated Conover pianos (the only	

## Music and Musical Instruments—The Theatre.

- | Exhibit No.   | Class'n No.             | Exhibit No.   | Class'n No.     |
|---|-------------------------|---|-----------------|
| strictly high grade piano manufactured in Chicago). Also manufacturers of one-fifth of all the reed organs made in the United States. Wholesale and retail warerooms, (second floor), 215 Wabash Ave., Chicago.   |                         | 538. Fort Wayne Organ Company, Fort Wayne, Ind. Reed organs.  |                 |
| 521. Chickering & Sons, Boston. Pianos.   | Sec. I, N-2 930         | Sec. I, S-6 931   |                 |
| 523. Colby Piano Company, Erie, Pa. Pianos.   | Sec. I, X-8 930         | 539. Friedrich, John, & Bro., New York. Violins, violas, etc.   | Sec. I, R-5 931 |
| 524. Coleman, Harry, New York. Brass musical instruments.   | Sec. I, P-3 933         | 540. Fuller, Levi K., Brattleboro, Vt. Tuning forks.  | Sec. I, V-3 933 |
| 525. Columbian Organ & Piano Co., Grand Crossing, Ill. Reed organs.   | Sec. I, T-3 935         | 541. Gemunder, August, & Sons, New York. Violins, cellos, violas, guitars, etc.   | Sec. I, Q-6 92  |
| 526. Conn, C. G., Elkhart, Ind. Band instruments.   | Sec. I, Q-1 927-931-934 | 542. Gerold, C. A., Chicago. Pianos.  | Sec. I, N-7 931 |
| 527. Consolidated Manufacturing Company, Boston. Pianos.  | Sec. I, T-6 930         | 543. Hallet & Davis Piano Manufacturing Co., Boston. Pianos.  | Sec. I, O-2 931 |
| 529. Ditson, Oliver, Company, Boston.   |                         | 544. Hardman, Peck & Co., New York. Pianos.   | Sec. I, N-5 931 |
| a Music books.  |                         | The Hardman Piano, through its original methods of construction and many patent has obtained the highest recognition everywhere. It has wonderful power and great delicacy of tone, and is used by the best classes in America and England. Branch houses, Chicago, London, Philadelphia. |                 |
| b Sheet music.  | Sec. I, W-8 926         | 545. Harrington, E. G., & Co., New York. Pianos.  | Sec. I, O-5 931 |
| The largest music publishing house in the world, and the oldest in America. (Established 1834.) Publishes 29 different catalogues, describing over 100,000 pieces of sheet music, 3,000 music books and 8,000 octaval choruses. Order by mail.  |                         | 546. Hartmann Bros. & Reinhard, New York. Guitars, zithers, mandolins, etc.   | Sec. I, S-5 931 |
| 530. Dolge, Alfred, and Son, New York. Pianoforte materials.  | Sec. I, Y-8 930         | 547. Haynes, John C., & Co., Boston.  | Sec. I, S-1 931 |
| Piano and organ felts, piano felt hammers, damper, wedge, rubbing, polishing, printers, wall paper, buffer and complanter felts; also wheels, discs, cones, wool filters, and all possible kinds made of all-wool into felt. Warerooms, Nos. 110 and 112 East 13th Street, New York.                  |                         | a Guitars, banjos, mandolins and zithers.   |                 |
| 532. Estey Organ Company, Brattleboro, Vt. Reed organs.   | Sec. I, O-3 935         | b Violins.  |                 |
| Established 1846. 265,000 sold up to 1893. Reed organs of every description from three and one-half octaves single reed up to ten sets of reeds, five octaves compass with two manuals and pedals. For churches, schools, conservatories, lodge-rooms, kindergartens, missionaries, homes, etc., etc. |                         | 547a. Heppe, C. J., & Son Co., Cincinnati. Musical chart.   | Sec. I, X-8 931 |
| 533. Estey Piano Company, New York. Pianos.   | Sec. I, O-3 930         | 548. Herrburger-Schwander & Son, New York. Pianoforte actions and parts.  | Sec. I, R-5 931 |
| 534. Everett Piano Company, Boston. Pianos.   | Sec. I, Truss P-8 930   | 549. Hinze, C., Chicago. Pianos.  | Sec. I, X-7 931 |
| 534a. Evetts, J., Jr., Chicago. Pianos.   | Sec. I, V-7 930         | 550. Ivers & Pond Piano Co., Boston. Pianos.  | Sec. I, W-8 931 |
| 535. Fischer, J. & C., New York. Pianos.  | Sec. I, Truss N-8 930   | 551. Jacob Bros., New York. Pianos.   | Sec. I, T-7 931 |
| 537. Foote, J. Howard, Chicago.   | Sec. I, S-3 931         | 552. Keller Bros. & Blight, Bridgeport, Conn. Pianos.   | Sec. I, U-5 931 |
| a Guitars, mandolins, etc.  | 928                     | Established 1882. 10,000 in use. Spec. 6 1-3 octave piano for beginners.  |                 |
| b Flutes.   | 931                     | 553. Kimball, W. W., Company, Chicago. Pianos.  | Sec. I, P-8 931 |
| c Cornets, horns, etc.  | Q-3 934                 | a Pianos.   |                 |
|   |                         | b Reed organs.  |                 |
|   |                         | 554. Kranich & Bach, New York. Pianos.  | Sec. I, N-8 931 |
|   |                         | 555. Kreling, F. W., & Sons, San Francisco. Banjos and banjorines.  | Sec. I, T-4 931 |
|   |                         | 556. Krell, Albert, Cincinnati. Violins, etc.   | Sec. I, P-5 931 |

## Music and Musical Instruments—The Theatre.

- |  | Class'n<br>No. | Exhibit<br>No.  | Class'n<br>No.    |
|--|----------------|---|-------------------|
| <b>all Piano Company, Cincinnati.</b>  |                |   |                   |
| Sec. I, X-8  | 930            | square and uprights, and the "first full iron plate frame piano, C. Meyer, inventor, 1882," the same system as now used in all pianos.  |                   |
| <b>Worcester Organ Manufacturing Co., Easton, Pa.</b>  |                |   |                   |
| Reed organs.   |                |   |                   |
| Sec. I, T-6  | 935            | <b>567. Miller, Henry F., &amp; Sons Piano Co., Boston. Pianos.</b>   | Sec. I, V-8 980   |
| <b>den &amp; Hernon M'fg Co., Chicago.</b>   |                | Established 30 years. Thirty different styles manufactured. Grands, uprights and patented pedal upright for organists' use. Henry F. Miller artists' grand used in many important concerts in the U. S. Two awards International Exposition, 1876. Branch houses, Philadelphia, Cincinnati. |                   |
| Music-leaf turner.   | Sec. I, P-6    | 936   |                   |
| <b>r, H., &amp; Co., Easton, Pa.</b>   |                |   |                   |
| Reed   |                |   |                   |
| Sec. I, T-4  | 935            | <b>569. Needham Piano-Organ Co., New York.</b>  | Sec. I, Q-6       |
| is play piano and organ music, ly like an upright piano, and cost ard as much.   |                | a Pianos.   | 930               |
| <b>Banjo M'fg Co., Rock Rapids,</b>  |                | b Reed organs.  | 935               |
| banjos, guitars and mandolins.   |                |   |                   |
| Sec. I, R-6  | 928            | <b>571. Newman Bros. Company, Chicago.</b>  |                   |
| <b>&amp; Healy, Chicago.</b>   |                | Reed organs.  | Sec. I, S-6 935   |
| Sec. I, R-3  |                | Factory, corner W. Chicago Ave. and Dix St. Capacity, 500 per month. We manufacture 23 different styles of reed organs, containing many valuable patents and our patent air-circulating reed cells, which have the most pipe-like quality of any reed organ made. The best is the cheapest. |                   |
| ms, cymbals, etc.  | 927            | <b>571a. Partello, M. J., Washington, D. C.</b>   |                   |
| ears Lyon & Healy's has been depot for band supplies of all  |                | Loan exhibit of violins.  | Sec. I, P-4 930   |
| ars, banjos, zithers, etc.   | 928            | <b>572. Pepper, J. W., Philadelphia. Band instruments.</b>  |                   |
| urn guitars, banjos, mandolins made by Lyon & Healy are the world. A beautiful souvenir will be mailed to your home if you save your address with the  |                |   |                   |
| and reed organs.   | 985            | Sec. I, P-1   | 927-928-933-934   |
| church organ made by Lyon without a rival in its field, which all and medium sized churches and private residences. It possesses tone so desired by organists, and action. Prices from \$300 |                | Branch house, 149 Wabash Ave., Chicago. Chicago house carries a complete stock.   |                   |
| cal accessories.   | 936            | <b>572a. Phelps, James H., Sharon, Wis.</b>   |                   |
| ly (founded 1864) sell every- in music.  |                | Harmony attachment for pianos.  |                   |
| <b>lo, Angelo, New York. Man-</b>  |                | Sec. I-Y-8  | 930               |
| mandolins.   | Sec. I, T-3    | 928   |                   |
| <b>&amp; Hamlin Organ and Piano</b>  |                |   |                   |
| Sec. I, P-1  |                | The wonderful loud pedal which automatically silences all discord. To be seen at exhibit of Waterloo Organ Co.  |                   |
|  | 930            | <b>573. Phonoharp Company, Boston. Phono-</b>   |                   |
|  | 935            | harp and zithers.   | Sec. I, S-5 928   |
| <b>&amp; Risch Vocation Co.,</b>   |                | <b>574. Pick, Libbie, Chicago. Music cab-</b>   |                   |
| Mass. Reed organs.   |                | inet attachment.  | Gal. F, U-103 936 |
| Sec. I, U-1  | 935            | <b>574a. Pilcher's, Henry, Sons, Louisville,</b>  |                   |
| <b>Piano Co., Minneapolis, Minn.</b>   |                | Ky. Pipe organs.  | Sec. I, Y-6 935   |
| Sec. I, Q-6  | 930            | <b>575. Reed, A., &amp; Sons, Chicago. Pianos.</b>  |                   |
| <b>Clinton H., Bell Company,</b>   |                | Sec. I, O-7   | 930               |
| Chime of bells.  |                |   |                   |
| (Central clock tower.)   | 927            | Construction pat'd in Eng., Ger., France, Canada, U. S. Simple, durable. Tone, quality, artistic, powerful, sympathetic. Great merit.   |                   |
| <b>., &amp; Sons, Philadelphia.</b>  |                | <b>576. Rogers, Joseph, Jr., Highview, N.Y.</b>   |                   |
| Sec. I, T-7  | 930            | Banjo and drum heads.   | Sec. I, T-1 928   |
| piano makers, estab. Feb., St., Phila. Exhibit grand,  |                | <b>576a. Schaaf, Adam, Chicago. Pianos.</b>   |                   |
|  |                | Sec. I, V-7   | 930               |
|  |                | <b>577. Schomacker Piano Company, Phila-</b>  |                   |
|  |                | delphia. Pianos.  | Sec. I, N-6 930   |
|  |                | Schomacker Gold String Piano. Pre-eminently the best and most highly improved piano now manufactured. Awarded gold,   |                   |

## Music and Musical Instruments—The Theatre, Miscellaneous.

Exhibit No.	Class'n No.
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silver and bronze medals wherever exhibited, including international exhibitions America 1851-1876. Warerooms, 1109 Chestnut St., Phila.; 145 Wabash Ave., Chicago.

578. Schubert Piano Company, New York. Pianos. Sec. I, U-7 930

Few of the pianos now on the market can show such perfection and popularity as the Schubert piano. As an example, the shipments in 1892 were 99 per cent over 1888. This is due to large experience and buying for cash only, the benefit of which is given to the public at reasonable prices.

579. Shaw Piano Company, Erie, Pa. Pianos. Sec. I, X-7 930

580. Shoninger, B., Company, New Haven, Conn. Sec. I, R-6

a Pianos. 930

b Reed organs. 935

581. Sohmer & Co., New York. Pianos. Sec. I, Truss R-8 930

Sohmer & Co., piano manufacturers, 149 East Fourteenth Street, New York City. The highest musical authorities and critics have long recognized the superiority of this instrument. The favorite of the cultured and refined in our American homes.

582. Starck & Strack Piano Co., Chicago. Pianos. Sec. I, U-6 930

583. Starr, James M., & Co., Richmond, Ind. Pianos. Sec. I, X-8 930

583a. Steinert, M., New Haven, Conn. Loan exhibit of instruments representing the development of the piano forte.

Sec. I, V-1 930

584. Stewart, S. S., Philadelphia. Banjos. Sec. I, S-3 928

585. Stieff, Charles M., Baltimore. Pianos. Sec. I, O-4 930

Medals won Phila., 1876; Paris Exposition, 1878; New Orleans, two gold medals, 1884.

586. Story & Clark Organ Co., Chicago. Reed organs. Sec. I, P-6 935

587. Strauch Bros., New York. Piano actions. Sec. I, S-6 930

588. Summy, Clayton F., Chicago. Music books, charts and music-education material. Sec. I, W-7 926

The Musical Review and publications of special value to teachers of music.

588a. Thompson Music Co., Chicago. Sheet music and music books. Sec. I, T-4 926

589. Tonk Manufacturing Company, Chicago. Piano stools, scarfs, music cabinets, etc. Sec. I, Y-8 936

591. Trenton Iron Co., Trenton, N. J. Music wire. Sec. I, S-6 930

Exhibit No.	Class'n No.
----------------	----------------

592. Vanduzen & Tift Co., Cincinnati.

Chime of bells.

(S. E. Bell Tower, Machinery Hall) 927

Established 1837. Superior copper and tin chimes, peals and bells. Any desired weight. Facilities and skill unsurpassed. Workmanship, quality, etc., guaranteed.

593. Vose & Sons' Piano Co., Boston. Pianos. Sec. I, V-8 930

594. Waterloo Organ Co., Waterloo, N.Y. Sec. I, Y-8

a Pianos. 930

b Reed organs. 935

Est. 1861. Manufacture Waterloo Organs and Malcolm Love Pianos; only pianos on exhibition containing Phelps' harmonic attachment, the wonderful loud pedal which automatically silences all discord.

595. Wegman & Co., Auburn, N. Y. Pianos. Sec. I, X-6 930

Special attention is called to our patent tuning-pin fastening.

596. Wessell, Nickel & Gross, New York. Piano actions and parts. Sec. I, T-5 930

597. Western Cottage Organ Company, Ottawa, Ill. Reed organs. Sec. I, T-6 935

598. Wildman, L. P., Danbury, Conn. Violins. Sec. I, Q-4 929

599. Zimmermann, C. F., Company, Dolgeville, N. Y. Autoharps. Sec. I, S-1 927

The autoharp is shaped like a zither, having bars or padded mutes, which in connection with the Zimmermann system of figure music enables any one to play the most difficult airs and chords. Patented May 9, 1882. Alfred Dolge & Son, general wholesale agents, 110-112 E. 13th St., New York.

Exhibits Classified in Other Departments but Installed in This.

## DEPARTMENT G.

## GROUP 83.

Vehicles and Methods of Transportation on Common Roads.

600. Mohl, Mrs. Crissie, Doylestown, Pa. Horse net and earbobs. Gal. F, V-108 933

## DEPARTMENT H.

## GROUP 103.

Woven and Felted Goods of Wool and Mixtures of Wool.

603. Arrowsmith, Charlotte, Mercer, Pa. Silk and woolen fabrics. Gal. F, V-103 642

604. Griswold, Mrs., Mercer, Pa. Reg. Gal. F, V-103 644

605. Packard, Mrs. John R., Greenville, Pa. Blankets. Gal. F, V-103 643

## AUSTRIA.

## LOCATION—GALLERY, SECTION D AND MAIN FLOOR, SECTION F.

Medicine, Education, Literature, Instruments of Precision, Photography.

## GROUP 148.

	Class'n No.
er, Moriz, Vienna. Vaccination	837
Albert, Graz. Surgical instru-	837
ga, I., Vienna. Surgical instru-	837
nd apparatus.	837
er, A., Vienna. Pocket phar-	834

## GROUP 149.

l, Franz, Prague. Reckoning	842
as for children.	842
ssenschafts Fachschule fuer	847
er at Vienna. Models and draw-	846
ch & Schenk, Vienna. Models	842
struction.	846
sch, Thomas, Hostitz, Bohemia.	842
ng apparatus for children.	845
r & Forster, Vienna. Apparatus	842
ing chemistry and physics.	842
rt, V., Prague. Models and ap-	842
for teaching.	842
Adolf, Taus, Bohemia. Ap-	842
for teaching.	842

## GROUP 150.

is, Jacob B., Prague. Hebrew	854
oks.	854
Dr., Vienna. Works on national	854
elich, Ernst Ludwig, Vienna.	854
n of foreign travel in the capi-	854
rope.	854
Simon, Vienna. "Fachzeitung	856
Industrie."	856
r, R., Vienna. Topographical	864
rium des Innern I. R., Vienna.	864
and graphical illustrations of	863
ngmen's insurance system and	863
ions in Austria.	863
erdinand, Vienna. Geographi-	864
ner, J., Winterberg, Bohemia.	854
ks.	854

## GROUP 151.

Exhibit No.	Class'n No.
20. Czichna, C. A., Innsbruck. Photo-	871
graphs.	871
21. Denk, August, Vienna. Cellulographs.	871
22. Forster, I., Salzburg. Photograph	871
backgrounds.	871
23. Hofmeier, Julius, Vienna. Photo-	871
chemical plates.	871
24. Klicnik, Arnold, Bruenn, Moravia.	865
Mechanical instruments.	865
25. Landes, Innsbruck. Collection of Al-	871
pine photographs.	871
26. Lechner, R., Vienna. Photograph	871
apparatus.	871
27. Lippe, Theo. G. von der, Vienna.	871
Photographs.	871
28. Nemetz, Josef, Vienna. Instruments	865
of precision.	865
29. Paulussen, Richard, Vienna. Photo-	871
gravures.	871
30. Reichert, C., Vienna. Microscopical	874
and optical instruments.	874
Queen & Co., Phila., sole American agents.	874
31. Ringhoffer, F., Smichow near Prague.	871
Photographs of machines of different	871
kinds.	871
32. Verein zur Hebung des Fremden-	871
verkehres, Prague. Photographs.	871
32a. Vogl, Adolf, Innsbruck. Alpine pho-	871
tographs.	871
33. Wachtl, Bernhard, Vienna. Photo-	871
graph cartoons and passepartouts.	871

## GROUP 152.

34. Weber von Ebenhof, Alfred, Bruenn,	882
Moravia. Work on mountain hydrau-	882
lics.	882

## GROUP 153.

35. Wanka, Josef, Prague. Statistical	893
illustrations of the postal service.	893
36. Wlcek, Wenzel, Graz. Letter boxes.	893

## GROUP 157.

37. Vogl, Adolf, Innsbruck. Altar.	919
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## BRAZIL.

## LOCATION—GALLERIES C AND D.

## Hygiene, Instruments and Apparatus of Medicine, Surgery and Prosthesis.

## GROUP 147.

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 1. Associação Promotora da Instrução, Rio de Janeiro. Photographs of schools.   | 827         |
| 2. Comissão Cearense, Ceara. Photograph of the Public Market of Acarape.  | 826         |
| 3. Comissão do Estado do Rio de Janeiro. Collection of photographs.   | 829, 832    |
| 4. Comissão Paranaense, Parana. Photograph of the Mercy Hospital of the city of Corityba.   | 832         |
| 5. Comissão Pernambucana, Pernambuco. Photograph of hospital.   | 832         |
| 6. Directoria Geral de Obras Militares, Rio de Janeiro. Photographs of new hospital of the army, Sao Francisco Xavier.  | 832         |
| 7. Hospital da Marinha, Rio de Janeiro.   |             |
| a Photographs of the Navy Hospital.   | 832         |
| b Photographs of the Navy Hospital for "beribéric," in "Coxacabana" hill.   | 833         |
| 8. Hospital Nacional de Alienados, Rio de Janeiro. Photographs of the National Hospital for Lunatics.   | 832         |
| 9. Inspectoria Geral de Hygiene da Cidade do Rio de Janeiro. Photographs, map, cart and diagram of the Hospital of "S. Sebastiao," with isolated pavilions, "Lefort System," for yellow-fever patients.   | 833         |
| 10. Inspectoria Geral de Obras Publicas de Cidade do, Rio de Janeiro. Photographs, cart and diagram showing "the works of the water supply of the city of Rio de Janeiro.   | 829         |
| 11. Inspectori Geral de Saude dos Portos, da Cidade do Rio de Janeiro. Photographs, map and cart of the "Lazaretto of the Ilha Grande," for quarantine; photographs of the Maritime Hospital of "Santa Izabel" in "Jurujuba," for isolation of contagious diseases of patients. | 833         |

- | Exhibit No.   | Class'n No. |
|---|-------------|
| 12. Rio de Janeiro City Improvement Co., Limited.   |             |
| a Map of the city of Rio showing the lines of the principal sewers and the position of the pumping stations.  |             |
| b Photographs of some of the principal buildings, showing the various types of machinery employed.  |             |
| c Plan of outlet, showing the engine-room, pumps, precipitating tanks, kiln and cement works.   | 829         |
| 13. Santa Casa de Caridade, Cidade de Vassouras. Photographs.   | 832         |
| 14. Santa Casa de Misericordia do Rio de Janeiro. Photographs of the Mercy Hospital of Rio de Janeiro, and the "Pasteur Institute" for the prophylactic treatment of the "rabica hydrophobia" patients. | 832         |
| 15. Secretaria do Interior, Rio de Janeiro.   |             |
| a Photographs of the "Asylum for Helpless Children."  | 831         |
| b 10 carts—"project of a Lazaretto."  | 831         |
| 16. Serra, Josec, Rio de Janeiro. Apparatus for disinfection.   | 829         |

## GROUP 148.

- |  |     |
|--|-----|
| 16a. Aguirre Cidade da Victoria (Espírito Santo): Pharmaceutical preparations.                       | 834 |
| 16b. Abreu, Pacheco e, Rio de Janeiro. Pharmaceutical preparations.                                  | 834 |
| 17. Athayde, Joao Maceio (Alagoas). Tincture of angico.  | 834 |
| 18. Azevedo, Fernandes. Pharmaceutical preparations.   | 834 |
| 19. Azevedo, Manuel Fernandes de, Sta. Maria Magdalena (Estado do Rio). Pharmaceutical preparations. | 834 |
| 20. Azevedo, Nabor de, Rio de Janeiro. Drugs and pharmaceutical preparations.                        | 834 |
| 21. Bartholomeu & Cia., Pernambuco. Wine of Jurubeba and iron.                                       | 834 |
| 22. Beirao, Merciano & Cia., Para. Pharmaceutical preparations.                                      | 834 |
| 23. Bevilacqua & Cia., Ceara. Oil of jerimu, etc.  | 834 |
| 24. Bezerra, Antonio, Ceara. Thermal waters, etc.  | 834 |

## Instruments and Apparatus of Medicine, Surgery and Prosthesis.

	Class'n No.	Exhibit No.	Class'n No.
Attencourt, M. de Moraes. Amazonian	834	46. Cotias, Rio de Janeiro. Pharmacetical preparations.	834
Barba, Cidade de Manaus, Amazonas. Pharmaceutical preparations.	834	47. Cravo, F. A. Barreiros, Ceara. Pharmaceutical preparations.	834
Barthelmo, Candido de Almeida, Alagoas. Pharmaceutical preparations.	834	48. Delsuc, J., Bahia. Vegetable tonic, Mutamba.	834
Batista, Rio de Janeiro. Pharmaceutical preparations.	834	49. Ferreira, Joaquin Luiz, & Cia., Maranhao. Pharmaceutical preparations; articles of the materia medica.	834
Bonini, Rio de Janeiro. Brazilian	834	50. Fonseca, Collect Antonio da, Therizina (Piauchy). Pharmaceutical preparations.	834
Brasil, Alves, S. Paulo. Pharmaceutical preparations.	834	51. Forzani, Rio de Janeiro. Pharmaceutical preparations.	834
Brasil, Francisco, Para. Pharmaceutical preparations.	834	52. Gomes, Thomaz. Elixir of Cochlearia.	834
Brasil, Antonio R., Ceara. Articles of the materia medica.	834	53. Goncalo Braz dos Santos, Rio de Janeiro. Liniment.	834
Brasil, Alfredo de, Rio de Janeiro. Pharmaceutical preparations.	834	54. Gondin, Lycurgo Jardim, Minas Geraes. (Medical preparation) Saude de Povo.	834
Brasil, Antonio Borges de, Rio de Janeiro. Pharmaceutical preparations.	834	55. Gonzaga A., Ceara. Pharmaceutical preparation.	834
Brasil, Lima & Co., Nascimento, Janeiro. Homeopathic preparations.	834	56. Guimaraes, Lima, Para. Pectoral syrup of Jatahy.	834
Brasil, Para. Pharmaceutical preparations.	834	57. Halfeld Cantagallo (Estado do Rio). Pharmaceutical preparations.	834
Brasil, Cearense. Pharmaceutical preparations and articles of the materia medica.	834	58. Intendencia Municipal de Ponta Grossa, Parana. Articles of the materia medica.	834
Brasil, da Barbalha, Ceara. Oil and other articles of the materia medica.	834	59. J. C. P., Rio de Janeiro. Digestive wine, etc.	834
Brasil, Mineira, Minas Geraes. Articles of sanitary improvements of city, "S. Joas Nepomuceno." Mineral waters from the springs of Cambu and photograph of same; photographs of the springs of "das" and thermal water from "das"; photographs of the "Cascade das." Natural waters.	834	60. Laboratorio Pharmaceutico Chimico Militar, Rio de Janeiro. Articles of the materia medica; pharmaceutical preparations.	834
Brasil, Paraense, Para. Natural waters.	834	61. Leitao, Marques & Cia., Rio de Janeiro. Mineral waters from "Laceria Spring" (Barra S. Joao).	835
Brasil, Promotora da Representacao, Bahia. Articles of the materia medica.	834	62. Mamede, C. Pharmaceutical preparations.	834
Brasil, de Drogas e Productos Pernambuco. Articles of the materia medica, etc.	838	63. Marcondes, Athayde & Cia., S. Paulo. Pharmaceutical preparations.	834
Brasil, Fabricacao de Acidos, etc., Rio de Janeiro. Chlorhydric acid, chlorhydric acid, nitric acid, etc.	834	64. Marques, Augusto Cesar, Maranhao. Pharmaceutical preparations.	834
Brasil, Melhoramentos de S. Paulo.	834	65. Martins, Pernambuco. Pharmaceutical preparations.	834
Brasil, Uniao Industrial dos E. U. Rio de Janeiro. Mineral waters and rings of Cambuquira and Lam.	834	66. Masson, Porto Alegre, Rio Grande do Sul. Pharmaceutical preparations.	834
		67. Mattos (cirurgiao), Ceara. Pharmaceutical preparations.	834
		68. Miranda, Joaquim Bueno de, S. Paulo. Pharmaceutical preparations of Nectandra Ama.	834
		69. Mullem, Bahia. Bahia-Brumen mineral waters.	834
		70. Nepomuceno da Silva e Cunha, Joao, Rio de Janeiro. Dentifrice opiate.	839

## Instruments and Apparatus of Medicine and Surgery. Literature.

Exhibit No.	Class'n No.
71. Oliveira, Antonio Camillo de, Itabira, Minas Geraes. Pharmaceutical preparation.	834
72. Oliveira, Costa e Recife, Pernambuco. Pharmaceutical preparations.	834
73. Oliveira, Filho & Baptista, Rio de Janeiro. Pharmaceutical preparation.	834
74. Oliveira, Manuel de, S. Joao da Barra, Estado do Rio. Oil of copaiba.	834
75. Oliveira, P. Manuel de, S. Joao da Barra (Estado do Rio). Articles of the materia medica.	834
76. Pedro, Julio, Ceara. Liquor of Genipapo.	834
77. Penna, A.G. de Araujo & Cia., Rio de Janeiro. Homeopathic preparations.	834
78. Pimentel, Joaquim Manuel, Rio de Janeiro. Compound pectoral syrup of Angico.	834
79. Pontes & Correa, Para. Pharmaceutical preparations.	834
80. Rangel, Alexandre, Rio de Janeiro. Pectoral syrup of Cecropia palmata.	834
81. Raulino Horn & Oliveira, S. Catharina. Pharmaceutical preparations.	834
82. Rocha, Antero Ferreira da, Minas Geraes. Pharmaceutical preparations.	834
83. Rocha, Guilherme & Cia., Ceara. Castor oil.	834
84. Salles, Cunha, Rio de Janeiro. Medical preparations.	834
85. Sarmento, Joaquim Ulysses, S. Paulo. Pharmaceutical preparations.	834
86. Serpa, Floriano, Bahia. Pharmaceutical preparations.	834
87. Silva, Alvaro Alberto da, Rio de Janeiro. Clinical Areodosimeter.	834
88. Silveira, Joao da Silva, Rio Grande do Sul. Pharmaceutical preparations.	834
89. Solano, Parana. Pure oil of copaiba.	834
90. Soares, Souza, Rio Grande do Sul (Pelotas). Pectoral syrup of Cambara.	834
91. Theophilo, Rodolpho, Ceara. Pharmaceutical preparations.	834
92. Veras, A. M., & Cia., Pernambuco. a Articles of the materia medica. b Pharmaceutical preparations.	834
93. Vieira, J. A., & Cia., Rio Grande do Sul. Elixir of gentian.	834
94. Werneck, Vicente & Cia., Rio de Janeiro. Medicinal tabloids; pharmaceutical preparations.	834
95. Worms, Gaston, Rio de Janeiro. Dentifrice preparations.	824

## GROUP 150.

Exhibit No.	Class'n No.
96. Academia Nacional de Medicina, Rio de Janeiro. Historical notice of the National Academy of Medicine (hand-writing), Rio de Janeiro.	834
97. Alberto, Alvaro, Rio de Janeiro. Medical works.	834
98. Almeida, Tiberio de, S. Paulo. Medical works.	834
99. Araujo, Silva, Rio de Janeiro. Medical works (illustrated).	834
100. Azevedo, Carlos Frederico dos Santos Xavier, Rio de Janeiro. Medical work.	834
101. Bibliotheca da Faculdade de Medicina do, Rio de Janeiro. Works on hygiene and medicine.	834
102. Brandaro, J. C. Teixeira, Rio de Janeiro. Work on lunacy.	834
103. Caldeira, Pedro, Soares. Works on hygiene and alimentation.	834
104. Carlos, Domingos, Bahia. Works on cholera morbus.	834
105. Carralho, Pamphilo M., Freire. Work on the hospitals of Rio de Janeiro.	834
106. Castro, Francisco da Siloa, Para. Medicine Review of Bahia.	834
107. Chaves, Bruno. Medical publication.	834
108. Congresso Brasileiro de Medicina Cirurgia, Rio de Janeiro. Congress of Medicine and Surgery at Rio de Janeiro.	834
109. Conselho Superior de Saude Publica, Rio de Janeiro. "The hygiene of the poorer classes."	834
110. Costa, Carlos, Rio de Janeiro. Brazilian medical annual; questions on hygiene, medicine, etc.	834
111. Damazio, Virgilio, Bahia. Medicine School of Bahia City report.	834
112. Faculdade de Medicina do, Rio de Janeiro. Collection of reviews on the medicine school of Rio de Janeiro.	834
113. Farinha, Pires, Rio de Janeiro. Medical demography.	834
114. Franco, Pedro Afonso, Rio de Janeiro. Animal vaccination in Brazil.	834
115. Freire, Domingos, Rio de Janeiro. Works on yellow fever and the cancer.	834
116. Frick, Joao. Hygienic work.	834
117. Gazeta Medica da Bahia, Bahia. Collection of reviews on medical science.	834
118. Guimaraes, Eduardo A. Ribeiro, Paulo. Work on experimental physiology.	834

## Literature, Books, Journalism, Musical Instruments.

	Class'n No.	Exhibit No.		Class'n No.
pectorial Geral de Hygiene, Rio de Janeiro. Annual of the Sanitary Demographics; statistics of the mortality of Para city. 854		141.	Arsenal de Guerra da Bahia. a Tambour. Dept. H 927 b Clarion. Dept. H 934	
ndencia Municipal do Para, Para. of the mortality of Para city. 854		142.	Bevilacqua, Alfredo, Rio de Janeiro. Collection of piano music. 926	
ggaard, Theodoro J. A. Dic- of popular medicine; medical y. 854		143.	Bevilacqua, Isidoro, Rio de Janeiro. Collections of music by different authors. 926	
rda, Joao Baptista de, Rio de Works on medicine, especially tri-beri. 854		144.	Braga, Francisco, Rio de Janeiro. "Paysage," prelude for orchestra. 926	
, Souza. Work on nervous . 854		145.	Braga, Henrique, S. Paulo. Collection of music for piano. 926	
, Tobias, Rio de Janeiro. No- Deaf and Mute Institute. 854		146.	Brandao, Julio V., Rio de Janeiro. Portrait of the Brazilian composer, "Carlos Gomes." 937	
lhaes, Galdino Cicero de. Ques- the Beri-beri in the "Vital de war ship. 854		147.	Buschmann & Guimaraes, Rio de Janeiro. Collections of music. 926	
irro de Figueredo, C. A. M. de e Janeiro. Publications on In- dicine. 854		148.	Carvalho, Ricardo de, Rio de Janeiro. Collection of music. 926	
Campos da, Rio de Janeiro. hygiene and alimentation, etc. 854		149.	Comissao do Estado do Ceara. Viola. Dept. H 929	
de, Alfredo, Rio de Janeiro. ransactions of the National f Medicine of Rio de Janeiro. 854		150.	Cruz, Felix Pereira da, Alagoas. Flute of wood. 931	
al, Aureliano. Hygienic pub- . 854		151.	Darbilly, Cavallier, Rio de Janeiro. Collection of music for piano. 926	
Vicente, Rio de Janeiro. urgery. 854		152.	Elisio, Flavio, Rio de Janeiro. Col- lection of music for piano. 926	
Casa de Misericordia de do Rio. Report of the Mercy Vassouras City. 854		153.	Faulhaber (Paulo), Rio de Janeiro. Collection of music for piano. 926	
Augusto Ferreira dos, Rio de reatment of madness, by thods. 854		154.	Gomes, Carlos (Ant.), S. Paulo. Lysic operas. 937	
ira, J. B. de, Bahia. Medical Bahia City. 854		155.	Gomes, Sant Anna, S. Paulo. Col- lection of music. 926	
Climate and diseases of 854		156.	Gonzaga, Francisca, Rio de Janeiro. Collection of music. 926	
tonio Augusto Ferreira da, do Rio). Work on sanitary 854		157.	Gurjao, Henrique, Para. Lyric opera. 937	
to e, Rio de Janeiro. Works and surgery. 854		158.	Guzzman (F.), Rio de Janeiro. Col- lection of music. 926	
de Medicina e Cirurgia do, o. Collection of bulletins. 854		159.	Juventino, Rosas, Rio de Janeiro. Collection of music. 926	
Eutichio, Bahia. Scientific Medicine School of Bahia. 854		160.	Levy, Alex, S. Paulo. Symphony in "Mi menor." (Handwriting.) 926	
ROUP 158.		161.	Maffio (Frederico), Minas Geraes. Collection of music. 926	
A. C. R., S. Paulo. "La (Handwriting). 926		162.	Menezes, A. Cardozo de, Rio de Janeiro. Collection of music. 926	
do Gomes de), S. Paulo.ignon." 926		163.	Mesquita (Carlos), Rio de Janeiro. Collection of music. 926	
		164.	Mesquita, Henrique A. de, Rio de Janeiro. Collection of music. 926	
		165.	Miguez, Leopoldo, Rio de Janeiro. Collection of music. 926	
		166.	Milanex, Abdon, Rio de Janeiro. Collection of music. 926	
		167.	Napoleao, Alfredo, Rio de Janeiro. Collection of music. 92	

## Music and Musical Instruments.

Exhibit No.	Class'n No.
168. Napoleao, Arthur, Rio de Janeiro. Collection of music of different authors.	926
169. Queiroz, J., Rio de Janeiro. Collection of music.	926
170. Pollonio, Cinira, Rio de Janeiro. Collection of music.	926
171. Préalie, Victor, Pernambuco. Collection of music of different authors.	926

Exhibit No.	Class'n No.
172. Ribeiro, Geraldo, Rio de Janeiro. Collection of music.	926
173. Reis, Julio, Rio de Janeiro. Collection of music.	926
174. Rezende, Gregorio de, Minas Geraes. Collection of music.	926
175. Silva, Costa e Para. Collection of music of different authors.	926
176. Stamm, Gustavo, S. Catharina. Two "citharas."	926

## CANADA.

## LOCATION—GALLERY B AND ANTHROPOLOGICAL BUILDING.

## Hygiene, Education.

## GROUP 147.

Exhibit No.	Class'n No.
1. Bannermann & McCullough Manufacturing Co., Port Hope, Ont. Phenyle.	830
2. Dominion of Canada, Commissioners for the, Ottawa. Charts and plans illustrative of the work of Dominion Boards of Health; models of disinfecting apparatus.	E, U-4 833
2a. Lally, Frank, Cornwall, Ont. La crosses.	825
3. New Brunswick Provincial Board of Health, Frederickton, N. B. Publications of the board.	Sec. E, T-2 830
3a. Playter, E., Ottawa, Ont. Ice pitcher.	826
4. Provincial Government of Ontario, Ottawa. General sanitary exhibit, including reports, demonstrations, models, plans, photographs, etc., on:	
a Athletic training, gymnasia, etc.	826
b Food supply and adulteration.	826
c Model dwellings for workmen, etc.	827
d Public baths, dwelling and school sanitation, sewerage, apparatus for the prevention of infectious diseases, etc.	829
e Hygiene of the workshop and factory.	830
f Asylums, almshouses and homes; Indian reservations and houses.	831

Exhibit No.	Class'n No.
g Hospitals, dispensaries, etc.	832
h Protective supervision, food, building and personal inspection and immigration.	833
4a. Russell, J. S., Toronto. Curling stones.	825

## GROUP 149.

5. Auerbauch, M. R., Montreal. Painted screen.	843
6. Catholic Educational Exhibit of the Dominion of Canada.	
a Specimens of work from the Catholic schools of Canada, including parochial, day and boarding schools.	842
b Work done by the pupils of the schools for girls.	843
c Specimens of work from modeling schools.	843
d Specimens of work from the various institutions for deaf mutes.	843
e Course of study, specimens of work, etc., from the universities, colleges, seminaries, etc., of the Dominion of Canada.	851
f Professional schools of the Dominion—reports, etc.	853
6a. Congregation of Notre Dame, Montreal. Pictures.	843

## Education, Literature, Photographs.

	Class'n No.	Exhibit No.	Class'n No.
Donall, Mrs., Montreal.	Shell 843	e	Science teaching; apparatus and models. 845
Gill University, Montreal.	Photographs of the university, etc. 851	f	Art teaching; apparatus and models. 846
London, Mrs. E. C., Toronto.	Paintings. 843	g	Technical and apprenticeship schools, agricultural colleges and mechanics' institutes; apparatus and work. 847
Northwest Territories School Exhibit, a.		h	Indian school. (On main floor.) 848
Regina Union school, kindergarten work.	841	i	Education of the blind, the deaf and dumb and the feeble minded, with specimens of their work. 849
Specimens of work from the schools of Moose Jaw, Union No. 1, St. Albert & C. P., No. 3, Regina Union School No. 4, Whitewood School No. 57, Oceylin, R. C. S., No. 7, Prince Albert Union No. 3, Wide Awake No. 34, La Comte Sep. School, No. 1, Indian Head School, Moosomin Union No. 12 and Wolseley No. 25.	842	j	Public schools; reports and specimens of work. 850
Testament School Board, Montreal.	Exhibit; photographs. 850	k	High schools; pupils' work, collegiate institute and universities, reports, etc. 851
Provincial Government of Nova Scotia, x. Educational exhibit.		l	Professional schools — art, science and agriculture; reports, etc. 852
Work of the public kindergarten schools of the province.	841	m	Reports of Ontario educational department, etc. 853
Specimens of the work of the public common schools of the province with photographs of typical buildings.	850	14.	Provincial Government of Quebec, Quebec. Educational system. 850
Specimens of the work of the public county academies and high schools in the province with photographs of typical buildings.	851	15.	Victoria School of Art, Montreal. Designs for painted china. 846
Specimens or illustrations of the work of special provincial institutions, with photographs, namely: Provincial Normal School, Provincial School of Agriculture, Victoria schools of Art and Design, Institution for Deaf and Dumb and School for the Blind.	846-852		
Illustrations of work and photographs from institutions not receiving grants of public funds—universities, colleges, convents, seminaries, etc.	851		
Tool map of the province; educational laws, regulations, literature and book and school books of the province.	853		
Provincial Government of Ontario, Ontario.			
Method of elementary instruction			
Statistics.	841		
Primary school work.	842		
Industrial training for girls; specimens of work.	843		
Handicraft teaching for boys; specimens of work.	844		

## GROUP 150.

16. Bevin, P. A., Ottawa, Ont. Map of Sebastapol. 864
17. Briggs, Wm., Toronto. Books. 854
18. Council of Arts and Manufactures, Montreal. Drawings. 864
19. Dennis, Albert, Picton, N. S. Artistic printing. 854
20. Department of Agriculture, Ottawa, Ont. Maps and statistical tables. 864
21. Department of Railways and Canals, Ottawa, Ont. Maps. 864
22. Jones, John L., Toronto. Engravings. 854
23. Provincial Government of British Columbia, Victoria, B. C. Maps. 864

## GROUP 151.

24. Boorne & May, Calgary, N. W. T. Photographs. 871
- Most complete collection of Indian and Rocky mountain scenes in Canada. Send for catalogue. Dealers in Indian curios, etc.
25. Brett, Dr., Banff, N. W. T. Views of Banff and surroundings. 871
26. Canadian Pacific Railway, Montreal. Photographs of scenery. 871
27. Cochran, C. S., Hamilton, Ont. Photographs. 871
28. Jarvis, S. J., Ottawa. Photographs. 871

## Photographs, Civil Engineering, Government and Law, Commerce, Music.

Exhibit No.	Class'n No.
29. Notman, Wm., & Sons, Montreal. Photographs.	871
30. Oronhyatekha, Dr., Napanee, Ont. Photographs.	871
31. Park & Co., Brantford, Ont. Photographs.	871
32. Victoria Park Trustees, Truro, N. S. Photographs.	871
33. Western Counties Railway, Yarmouth, N. S. Photos of scenery.	864
34. Williams, L. H., Montreal. Photographs.	871
35. Windsor & Annapolis Railway Co., Kentville, N. S. Photos of scenery.	864
Photographs by land and sea. Traverses the "Land of Evangeline," immortalized by Longfellow's magic pen; the Tourist's Paradise, the Angler's Arcadia, the Sportman's Delight, the Best Climatè on the Footstool.	

## GROUP 152.

36. Casgrain, J. P. B., Montreal. Plans of the city of Montreal.	877
37. Department of Public Works, Ottawa, Ont. Views and plans of public buildings.	889
38. Department of Railways and Canals, Ottawa. Maps and photographs of canals.	881
39. Dominion Bridge Company, Montreal. Drawings and photographs of bridges.	880
40. Government of Nova Scotia, Halifax, N. S. Models of bridges.	880
41. Grant & Boyle, Victoria, B. C. Bird's eye view of Victoria.	877
42. Meloche, F. Ed., Montreal. Architectural plans and drawings.	889

## GROUP 153.

Exhibit No.	Class'n No.
43. Beatty, W. J., Ottawa. Collection of stamps.	888
44. Champeau, F. R. E., Ottawa. Map of stamps.	888
45. Hooper, J. H., Ottawa. Collection of stamps.	888
46. Savard, J. J., Quebec. Collection of stamps.	888

## GROUP 154.

47. McLean, F. E., Port Hastings, N. S. Old bank notes.	897
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## GROUP 155.

48. American Autoharp Co., Toronto. Autoharp.	928
49. Barthlemes, A. A., & Co., Toronto. Piano actions and autoharps.	938
50. Dominion Organ & Piano Co., Bowmanville, Ont.	
<i>a</i> Pianos.	938
<i>b</i> Organs.	935
51. Goderich Organ Company, Goderich, Ont. Organs.	935
52. Hugill, Joseph, Toronto. Violin and viola.	929
53. Major, Geo., Cape Le Ronde, N. S. Violin.	929
54. Newcombe, O., & Co., Toronto. Pianos.	930
55. Ormond, Hugh, London, Ont. Violins.	929

## FRANCE.

## LOCATION—GALLERY H AND FRENCH PAVILION.

## Hygiene, Medicine.

## GROUP 147.

- |  | Class'n<br>No. |
|--|----------------|
| cheux, Emile, Paris. Works and relative to cheap dwellings.  | 827            |
| mpagnie des Mines d'Anzin (Nord). men's houses; documents.   | 827            |
| haitre, Fernand, Paris. Disinfect-<br>paratus.   | 829            |
| ury, Pierre, Epinal (Vosges).<br>on social economy, hygiene and<br>assistance.   | 833            |
| teste, Herscher & Co., Paris.<br>stove, apparatus for sterilizing<br>disinfecting, etc.                                  | 829            |
| e, Jules, Pny (Haute-Loire). Work-<br>houses.  | 827            |
| vello, Marquis de Charels, Paris.<br>s of rural orphanages.  | 827            |
| Pierre de Foyer, Societe Anony-<br>operative D'epargne et de Construc-<br>larseille. Plans of the society's              | 827            |
| Blanc, Jules, Paris. Portable stove<br>infecting by steam.   | 829            |
| itaudon, A., Paris. Anatomical<br>of human beings, animals and   | 825            |
| elinat de la Bijouterie, Joaillerie,<br>erie, Orfevrerie et Industries qui s'y<br>ent, Paris. Annual of the society.     | 831            |
| elinat Professionnel Municipal de<br>s de la vild d'Angers, Angers (Maine-<br>e). Documents.                             | 831            |
| nion Protestante de Charite, Paris.<br>ages and infants' schools.  | 831            |
| ete Anonyme des-Habitations Ou-<br>de Passy-Auteuil, Paris. Drawings<br>up of houses. Model in relief of                 | 827            |
| ete Anonyme de Logements Econ-<br>s, Lyon (Rhône). Volumes and<br>relative to the construction of the<br>of the society. | 827            |
| ete des Orphecnistes d'Arras, Ar-<br>de-Calais). Statistics.   | 831            |
| ete Francaise des Habitations a<br>rche, Paris. Description.   | 827            |
| ete Havraise des Cites Ouvrieres,<br>Group of two houses, documents.   | 827            |

## Exhibit

- | No.   | Class'n<br>No. |
|---|----------------|
| 18. Societe Les Enfants de Lutece, Paris.<br>Description.   | 831            |
| 19. Societe l'Epuracion des eaux, Lille<br>(Nord). Automatic purifier.  | 829            |
| 20. Thiebaut, Charles, Bar-le-Duc Meuse.<br>Reports on the aid of indigent and mor-<br>ally abandoned children. | 831            |
| 21. Tison, Francois, Lille (Nord). Fun-<br>nel-basin, water-filter, drawings, etc.                              | 829            |

## GROUP 148.

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|---|-----|
| 22. Bastide, P. Henri, Perigueux (Dor-<br>dogne). Tonic.                          | 834 |
| 23. Blanchard, P., & Co., Rochefort-sur-<br>Mer (Charente-Inferieure). Aperients. | 834 |
| 24. Bochirol, L. Jules, Sarraz (Ardeche).<br>Medicines.                           | 834 |
| 25. Brenot, E. Th., Paris. Surgical in-<br>struments.                             | 837 |
| 26. Buchet, Charles, & Co., Paris. Dietetic<br>preparations.                      | 835 |
| 27. Chardin, Ch. E., Paris. Medical and<br>surgical electric apparatus.           | 837 |
| 28. Chassaing & Co., Paris. Dietetic<br>preparations.                             | 835 |
| 29. Deux et Blanc, A. & A., Paris. Aperi-<br>ents.                                | 834 |
| 30. Fayard, Blayn & Co., Paris. Rhubarb<br>elixir.                                | 834 |
| 31. Ferrand Bros., Lyon (Rhône). Aperi-<br>ents.                                  | 834 |
| 32. Goubeau, Ambroise, Paris. Ophthal-<br>mological instruments.                  | 836 |
| 33. Gonbin, Albert, Saint-Servan (Ille-et-<br>Vilaine). Aperient.                 | 834 |
| 34. Guillot, Angel, Blanzac (Charente).<br>Aperient.                              | 834 |
| 35. Juillard & Megnin, Epinal (Vosges).<br>Fecula in grain, and of potatoes.      | 835 |
| 36. Krauss, E., & Co., Paris. Spirometer.   | 836 |
| 37. Lebeault, P., & Co., Paris. Tonic-<br>nutritive wine.                         | 834 |
| 38. Leger, Dorez H., Paris. Sets of<br>teeth, etc.                                | 839 |
| 39. Martin, Claude, Lyon (Rhône). Mouth<br>and face prothesis apparatus.          | 839 |
| 40. Monavon, Marius, Lyon (Rhône). Medi-<br>cines.                                | 839 |

## Medicine, Education.

Exhibit No.	Class'n No.
41. Robin, Maurice, Bourges (Cher). Medicinal preparations.	884
42. Saint-Yves, Menard & Chambon, Paris. Animal vaccine.	887
43. Salmon, H., Amiens (Symme). Phosphates for food.	835
44. Verdin, Charles, Paris. Instruments used in experimental physiology and diagnosis of disease.	836
45. Wickham, G. Ph. J., Paris. Bandages, belts, apparatus, etc.	837
46. Wulffing-Luer, H., Paris. Surgical instruments.	837

## GROUP 149.

47. Association Polytechnique pour le Development de l'instruction Populaire, Paris. Work of pupils.	847
48. Bentayou, P. J., Paris. Method of cutting.	847
49. Chambre de Commerce de Paris, Paris. Specimens of work done by the pupils of the woman's free commercial class.	843
50. Conseil de Prud'hommes de Nimes, Nimes (Gard). Album concerning the apprentice competitions.	847
51. Delalain Bros., Paris. Documents of the university.	851
52. Ecole de laiterie de Kerlives, Kerlives (Finistere). Objects for teaching.	848
53. Ecole nationale des arts et metiers d'Aix, Bouches-du-Rhone. Work of the pupils.	847
54. Ecole nationale des arts et metiers d'Angers Angers (Main e et-Loire). Work of pupils.	847
55. Ecole nationale des arts et metiers de Chalons, Chalons Marne. Work of pupils.	847
56. Ecole nationale d'horlogerie de Besancon, Besancon (Doubs). Work of pupils.	847
57. Ecole nationale d'horlogerie de Cluses, Cluses (Haute-Savoie). Work of pupils.	847
58. Ecole nationale d'agriculture de Grignon (Seine-et-Oise). Work of pupils and appliances for teaching.	852
59. Ecole nationale d'agriculture de Montpellier, Montpellier (Herault). Work of pupils and appliances for teaching.	852
60. Ecole nationale forestiere de Nancy, Nancy (Meurthe-et-Moselle). Work of pupils and appliances for teaching.	852
61. Ecole nationale de laiterie de Mamirolle, Mamirolle (Doubs). Work of pupils and appliances for teaching.	843
62. Ecole nationale veterinaire d'Alfort, Alfort (Seine). Work of pupils and appliances for teaching.	852

Exhibit No.	Class'n No.
63. Ecole nationale veterinaire de Lyon, Lyon (Rhône). Work of pupils and appliances for teaching.	852
64. Ecole nationale veterinaire de Toulouse, Toulouse (Haute-Garonne). Work of pupils and appliances for teaching.	852
65. Ecole nationale forestiere des Barres, les Barres (Vienne). Work of pupils and appliances for teaching.	852
66. Ecole pratique d'agriculture de l'Allier (Allier). Appliances for teaching.	852
67. Ecole pratique d'agriculture de Berthonval, Berthonval (Pas-de-Calais). Work of pupils and appliances for teaching.	852
68. Ecole primaire superieure de Sartilly, Sartilly (Manche). Appliances for teaching.	847
69. Ecole superieure de commerce de Bordeaux, Bordeaux (Gironde). Work of pupils and statistical tables.	852
70. Ecole superieure de commerce du Havre, Havre (Seine-Inferieure). Work of pupils and statistical tables.	852
71. Feret, A. O. A., Paris. School statistics.	842
72. Flament, E. C., Douai (Nord). An album of penmanship and methods of teaching.	842
73. Institut national agronomique, Ministère de l'agriculture, Paris. Work of pupils and appliances for teaching.	852
74. Leautey, Eugene, Paris. Works on commercial instruction and the commercial schools in France and the world.	852
75. Milliau, directeur du laboratoire d'essais techniques de Marseille (Bouches-du-Rhone). Works and publications.	845
76. Ministère de l'instruction publique, direction du secretariat et de la comptabilite, Paris. State education, rules and documents.	850
77. Ministère des Travaux publics, Ponts et chaussees, Paris. Classes taught in the school of the road surveying department.	852
78. Ministère des Travaux publics, Ecole nationale superieure des mines, Paris. Statistics of the instruction in the school since its foundation.	853
78a. Ministry of Public Education, Paris. a Sciences and letters; scientific, historic and archæologic reviews and bulletins; archives of scientific and literary missions; public libraries. b Institute and scientific associations; periodicals, records and reports.	

## Education, Literature.

	Class'n No.
Press and books; newspapers and periodicals; French publications on sciences, letters, history, philosophy. Higher schools; high studies school; charts school; Pasteur institute; universities; legislation.	
High schools; classical text books; competitive copy books; pupils' works.	
Primary schools; administrative documents and statistics; school libraries; primary schools (plans, pupils' works), pedagogic museum.	
ntaudon, Amedee, Paris. Anatom-	845
el, directeur du laboratoire d'entom-	
le Rouen, Rouen (Seine-Inferieure).	
atus and publications.	845
ier, Emile, Paris. Views of his	
books, registers, methods of in-	
on and book-keeping review.	852
mond, Francisque, directeur de	
centrale des arts et manufactures,	
Copy books, drawings, plans and	
f pupils.	847
higemuth, Ecole Professionnelle de	
Nancy (Meurthe-et-Moselle), Ma-	
and proceedings of the professional	
; work of the pupils.	852

## GROUP 150.

un, Felix, Paris. Books on medi-	
ence, etc.	854
nel, Henri, Paris. Annual of the	
nd political world.	859
llot, Henri, Paris. Works on	
rcial and agricultural instruction.	854
as, Tassart & Balas, Paris. Book.	
	854
chet, Ludovic, Paris. La Revue	
e.	857
i Bros., Paris.	
assical books.	854
lases for schools.	855
ayou, P. J., Paris. Tailors'	
Journal.	856
osod, Valadon & Co., Paris.	
nd engravings.	854
z, Ch., & Co., Paris. Revue des	
ondes.	859
incourt, Comte de, Lille (Nord).	
ents.	854
npenois, Ferdinand, Paris. Litho-	
reproductions of paintings and	
olors.	854
l, Armand, & Co., Paris.	
assical books.	854
rnals and reviews.	856

Exhibit No.	Class'n No.
96. Conquet, Antoine, Paris. Books for amateurs.	854
97. Comite Central des Chambres syndicales, Paris. Publications.	863
98. Crete, Edouard, Corbeil (Seine-et-Oise). Specimens of printing.	854
99. Danel, Leonard, Lille (Nord). Illustrated publications; chromolithography.	857
100. Delagrave, Charles, Paris. Classical works, literature, science and art.	854
101. Delalain Bros., Paris. Educational books.	855
102. Dupont, L. Charles, Paris. Journal The Coach-maker's Guide, albums, etc.	856
103. Erhard Bros., Paris. Maps.	864
104. Exposition Collective Organisee par le Cercle de la Librairie, de L'imprimerie et de la papeterie, Paris. Publications; specimens of stamped prints.	854
105. Exposition Collective Organisee par le syndicat de la presse periodique, Paris. Journals and reviews.	859
107. Firmin-Didot & Co., Paris.	
a Work on art, history and literature.	854
b Specimens of typography and chromolithography.	857
108. Gauthier-Villars & Sons, Paris. Scientific books.	854
110. Goubeau, Abel, Paris. La Revue de la Mode with patterns.	856
111. Gruel, Leon, Paris. Artistic bindings.	854
112. Guerinot, Armand, Paris. Special works of decorative art.	854
113. Hachette & Co., Paris.	
a School-books.	855
b Illustrated publications.	857
114. Hauteceur, Jules, Paris. Copperplate engravings, etchings, photo- engravings, etc.	857
115. Hetzel & Co., Paris. Illustrated books.	857
116. Hetzel, J., & Co., Paris. Originals of illustrations for periodical journals.	857
117. Hollier-Larousse & Co. Paris. Dictionary, classical works.	854
118. Hottot & Charpentier, Paris. Edition de Sculptures d'Art.	857
119. Houssiaux & Co., Paris. Illustrated editions of the great French writers.	854
120. Imprimerie nationale, H. Coniol, Paris.	
a Books and typographical specimens.	854
b Maps and atlases.	864
121. Jouvot & Co., Paris. History, literature, etc.	854

## Literature, Instruments of Precision.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
122. La Gazette des beaux-arts, Paris. Engravings from the journal.	857	145. Morand, Marius, Lyon. Bulletin des Soies et des Soieries.	856
123. Lahure, Alexis-Etienne, Paris. Prints.	857	146. Moullot Fils aine, Marseille. Proofs of typography, lithography, chromolithography and engraving.	854
124. Lametiers, M. G., Saint-Laurent-du-Medoc (Gironde). Plan in relief of the castle and domain of Larose-Perganson, and photographs.	864	146a. Nadar, Paul, Paris. Journal of Photography; illustrations.	856
125. Lamirault, Henri, & Co., Paris. The great encyclopedia.	854	147. Ollendorf, Paul, Paris. Literary works.	854
126. Lami, E. O., Paris. Dictionary of industry and industrial arts.	856	148. Pannier, Jean, Paris. Artistic vignettes.	857
127. Larose & Forcel, Paris. Works on law, jurisprudence and political economy.	854	149. Plon, Nourrit & Co., Paris. History, literature, novels, etc.	854
128. Laurens, Henri, Paris. Illustrated works.	854	150. Poyet, Paris. Specimens of scientific engravings.	854
129. Le Soudier, Henri, Paris. a Books.	854	151. Provost-Blondel, Paris. Compositions in color for decorators.	854
b Maps.	864	152. Rapine, Maximilien, Boulogne (Seine). Copper plate engraving.	854
130. Le Vasseur & Co., Paris. Illustrated works, prints.	857	153. Reinwald & Co., Paris. Works on medical and natural sciences.	854
131. Librairies et Imprimeries Reunies, ancienne maison Quantin, May et Motteroz directeurs, Paris. Books, etc.	854	154. Rouam, J., & Co., Paris. Books on art and literature.	854
132. Mame, A., & Sons, Tours (Indre-et-Loire). Printing, books, bindings.	854	155. Rouveyre, Edouard, Paris. Manuscripts of Leonardo de Vinci; art books.	854
133. Marce & Co., Paris. Drawings published in the journal, The Illustration.	857	156. Roy, Gustave, Margaux (Gironde). Plan in relief of the domain, etc.	864
134. Marion, directeur de la station de zoologie de Marseille, Marseille (Bouches-du-Rhone). Results of work.	854	157. Rueff & Co., Paris. Journal la mode nationale.	856
135. Masson, Georges, Paris. School-books.	855	158. Sales, Gaston, Paris. Successive operations for constructing in plaster raised relief.	864
136. Mauler, Eugene, Paris. Chromolithographs and chromotypographs.	854	159. Sedelmeyer, Charles, Paris. a Engravings.	854
137. Ministere des Travaux publics, Ponts et Chaussées, Paris. Documents relative to public works.	863	b Illustrated works.	857
138. Ministere des Travaux publics, Service de la carte geologique, Paris. Geographical maps, explanatory text and atlas.	864	160. Sirven, B., Toulouse (Haute Garonne). Lithographs in imitation of paintings.	854
139. Ministere de la guerre, Service geographique de l'armee, Paris. Topographical maps and maps in sheets.	864	161. Societe Anonyme d'Imprimerie et librairie administratives et des chemins de fer, Paris. a Classical works.	854
140. Ministere de l'interieur, Paris. Specimens of the map of France.	864	b Periodical publications, etc.	856
141. Ministere du commerce, de l'industrie et des colonies, Paris. Directory of professional syndicates.	863	162. Storck, Adrien, Lyon (Rhone). Medical and scientific works, literary publications, etc.	854
142. Minot, J., & Co., Paris. Specimens of reproductions in chromolithography.	854	163. Testard, Emile, Paris. Artistic books.	854
143. Monde Illustre, Paris. Specimen publications; originals by artists.	857	164. Thezard Sons, Dourdan (Seine-et-Oire). Works on architecture, decoration and furniture.	854
144. Montgredien & Co., Paris. Illustrated works.	857	165. Westhausser, Louis, Paris. Illustrated works.	854

## GROUP 151.

166. Aivas, Albert, Paris. Optical instruments.
167. Baille, Lemaire, Paris. Spectacles and optical instruments.

ments of Precision, Experiment, Research and Photography. Photographs.

	Class'n No.	Exhibit No.		Class'n No.
albreck, Maximilien, & Sons, Paris.		191.	Haneau, Paris. Photographic apparatus.	871
Instruments of precision.	865	192.	Henry, Charles, Paris.	
Leveling instruments and apparatus.	868	a	Physical instruments.	872
Photographic apparatus.	871	b	Physiological apparatus.	877
asim, Charles, Paris.		193.	Hurlmann, A. J. D., Paris. Transits, theodolites, etc.	866
Instruments of precision.	865	194.	Jobard Bros., Paris. Double opera glass.	874
Photographic apparatus.	871	195.	Krauss, E., & Co., Paris. Photographic apparatus, etc.	871
erthelemy, A. V., Paris. Mathematical, geodetic and surveying instruments.	867	196.	Lacombe, E. Ed., Paris. Opera, marine and field glasses.	874
erthiot, Claude, Paris. Photographic special apparatus.	871	197.	Laussedat, Aime, Paris. Photographic apparatus, designs and photographs.	871
anchet Bros. & Kleber, Paris. Photographic paper.	871	198.	Laussedat & Sabatier, Paris. Photographic reproductions of colors.	871
ann, Clement & Co., Paris. Perforated carbon photographs.	871	199.	Levy, Arthur, Paris.	
auvet, A. D., Paris. Optical instruments.	874	a	Photographic instruments.	871
ement & Gilmer, Paris. Photographic apparatus.	871	b	Optics and optical apparatus.	874
Hot, Ch. A., Paris. Balances and standards of precision and standards of measures.	865	200.	Levy, S., Paris. Photographs on glass.	871
Imont, Ed. E., Paris. Optical instruments.	874	201.	Lippmann, Gabriel, Paris. Colored photographs.	871
mpagnie Francaise de Papiers photographiques et d'encre d'imprimerie (Seine). Photographs on paper.	871	202.	Londe, Albert, Paris. Medical photographs.	871
moizeau, V. J. E., Paris. Photographic apparatus.	871	203.	Mackenstein, Hermann, Paris. Photographic apparatus.	871
ot, Alphonse, Paris. Photographic apparatus.	871	204.	Mathieu-Deroche, Paris. Enameled photographic pictures.	871
raisme, A. & E., Paris. Spectacles.	874	205.	Mazibourg, Carle de, Paris. Frame with photographs.	871
ogy, Eugene, Paris. Photographic apparatus.	871	206.	Michelet, Abel, Paris. Photographs and photo-engravings.	871
lass for optics.	874	207.	Monti, Charles, Paris. Photographic apparatus.	871
ardin, P. J. R., Paris. Heliograph engravings.	871	208.	Moreau-Teigne, Charles, Paris. Spectacles, microscopes, telescopes, etc.	874
compre, X. G. E. de, Paris. Autographing frame for photographic apparatus.	871	209.	Nachet A., & Sons, Paris.	
vel, Auguste, Paris. Photographic apparatus and accessories and of's cylindrograph.	871	a	Photographic apparatus.	871
ncais, E., Paris. Photographic lenses and apparatus.	871	b	Microscopes, etc.	874
otics.	874	211.	Otto, Paris. Photographic pictures.	871
Co., Phila., sole American agents.		212.	Pellin, Ph., Paris. Photometric apparatus.	870
ck Valery Bros., Paris. Double photograph case.	871	213.	Pertuis & Sons, Paris. Holosteric barometer.	872
ux, Paris. Optical instruments.	874	214.	Picard, R., & Co., Paris.	
eminot Bros., Paris. Photographic plates and apparatus.	871	a	Meter-controller.	865
		b	Chronograph watches.	873
		215.	Picard, Raymond, Paris. Opera, marine and field glasses.	874
		216.	Regad & Jeantet, Morez-du-Jura. Optical instruments.	874
		217.	Richard, Jules, Paris. Instruments of precision.	865

## Instruments of Precision, Civil Engineering, Constructive Architecture.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
218. Roussel & Bertheau, Paris.		238. Dayde & Pille, Creil (Oise). Plans, drawings and photographs of metallic work, material for public buildings.	889
<i>a</i> Photographic apparatus.	871	239. Dior, Louis, Paris. Front and perspective of Saint-Lazare station, front, section, and plans of the Thiers foundation building, etc.	889
<i>b</i> Powerful glasses.	874	240. Duffrene & Jaquemot, Paris. Iron and wood window blinds, metallic shutters and curtains, etc.	889
219. Secretan, G., Paris. Astronomical glasses and telescopes.	874	241. Gauthier, Gaston, Saint Martin-d'-Heuille (Nievre). Statistics of the parish of Beaumont-la-Ferriere.	877
220. Societe Anonyme de la Papeterie de Renage, Isere, Paris. Photographic papers.	871	242. Geneste, Herscher & Co., Paris. Drawings of works.	887
221. Societe Anonyme des Placques et papiers photographiques, Lyon-Mosplaisir (Phone). Photographic apparatus and accessories.	871	243. Haret Bros., Paris. Picture of balustrade.	889
222. Tubeuf, G. A., Paris. Opera, marine and field glasses.	874	244. Lacote, Etienne, Paris. Terra cotta pieces for chimneys.	889
223. Vallot, Joseph, Paris. Magnesium photographs.	871	245. Lacour, E. F., Nice (Alpes-Maritimes). Model of dredging machine for placer mining.	885
224. Villain, Alfred, Aubervilliers (Seine). Photo-tincture and photographs on stuffs and paper.	871	246. Lang, Leon, Paris. Photographs of constructions.	889
225. Vion Bros., Paris.		247. Maison, Louis, Riceys (Aube). Arch of balusters and panel, etc.	889
<i>a</i> Instruments of precision.	885	248. Moisan, Laurent, Savey & Co., Paris. Photographs, drawings and water colors of works.	887
<i>b</i> Telescopes, marine and field glasses.	874	249. Petit, Jules E. Th., Blessey Saint-Just-en-Chaussee (Oise).	
226. Werlein, Ivan, Paris. Optical instruments.	874	<i>a</i> Plan of land surveying.	877
GROUP 152.		<i>b</i> Economic construction.	889
227. Anthoni, G., Neuilly (Seine). Drawings of foundations.	880	250. Pierron, Paris. Plans and photographs of houses, schools, etc.	889
228. Bartaumieux, Ch. V., Paris. Photographs of constructions.	889	251. Schneider & Co., Creusot (Saone-et-Loire).	
229. Buisson, V. A., Paris. A plan of a bake house; army bake house.	889	<i>a</i> Designs and models of iron and steel bridges.	Dept. F 889
230. Camut, Emile, Paris. Albums of plans of constructions.	889	<i>b</i> Design of rolling mill.	884
231. Chambre de commerce de Dunkerque, Dunkerque (Nord). Plan and model in relief of the port, panorama of the town and port.	881	<i>c</i> Permanent works of fortification.	Dept. F 887
232. Coiseau, Couvreur Fils et Allard Felix, Paris. Electrohydraulic apparatus employed in the construction of the port of Bilbao.	884	253. Schweitzer, A., Paris. New mills with their accessories.	884
233. Combelles, E. L., Neuilly Seine. Plan of tachometer.	884	254. Simonet, Edouard, Paris. Artistic joinery work.	889
234. Compagnie des docks et entrepôts de Marseille, Paris. Views and plans of the company's buildings, etc.	881	255. Societe des anciens etablissemets, Caill, Paris. Photographs of bridges, viaduct, etc.	880
235. Compagnie de Fives-Lille, pour constructions mecaniques et entreprises, Paris. Models of works, drawings and photographs of bridges, etc.	880	256. Societe des ingenieurs civils de France, Paris. Memorandums and reports of the work of the society.	877
236. Cottancin, R. J. P., Paris. Album of plans, cement and metallic girders, etc.	889	257. Societe metallurgique, Amiens (Somme). Picture representing the manufacture of iron constructions.	884
236a. Darblay Pere et Fils, Paris. Relief plan of the chief manufactory.	884	258. Tison, Francois, Lille (Nord). Improved windows and tiles.	889
237. Daudet, Donon & Co., Paris. Metallic constructions, bridges, locks, sluice gates, etc.	880		

## Government, Commerce, Knowledge.

Class'n  
No.  
Union Syndicale des architectes Fran-  
Paris. Albums of photographs. 889

## GROUP 153.

athime, Casimir, Bourges (Cher).  
s on social economy. 894  
evalier, Marescq & Co., Paris.  
s on international law. 891  
otteau, Leon, Paris. Statistics of  
r of entry ad valorem into the United  
891  
emont, Leon, Arcis-sur-Aube  
. Diplomatic records. 891  
brairie du Recueil general des lois  
irrets et du Journal du Palais, Paris.  
on international law. 891  
done-Lauriel, G., Paris. Works  
891  
ciete generale des prisons, Paris.  
ntiary Review. 894

## GROUP 154.

sociation des Comptables du com-  
et de l'industrie du departement de  
e, Paris. Movement of capital. 895  
sociation des Industriels de France  
es accidents du travail, Paris. Illus-  
and documents. 902  
ique populaire de Menton, Men-  
pes-Maritimes). Reports. 903  
oist, Berthiot & Co., Paris. Dia-  
the cash account of the relief and  
fund. 905  
sse d'epargne et de prevoyance de  
issement de Corbeil (Seine-et-  
Tables and documents. 903  
sse d'epargne et de prevoyance  
uches-du-Rhone, Marseille (Bou-  
Rhone). Reports and documents.  
903  
sse de reassurance du syndicat des  
mutuelles de la ville de Reims,  
Marne). Documents. 902  
afton, Albert, Paris. Works on  
e. 902  
on de Leche, Henri, Saint-Flor-  
Cher (Cher). Rules and regula-  
the bank. 903  
ite des Compagnies d'assurances  
e, Paris. New tables of French  
e. 902  
ptoir national d'escompte de  
ris. Plans and models. 903  
it, Lyonnais, Paris. Working of  
ty. 903  
t Bros., Paris. Show-cases for  
engravings, etc. 898

Exhibit  
No.  
Class'n  
No.  
281. Hersent, Hildebert, Paris. Com-  
pressed air apparatus. 898  
282. Institut des actuaires Francais, Paris.  
Statistics of the society. 900  
283. La Fourmi, Societe en participation  
d'epargne, Paris. Documents. 903  
284. La Prudence, Banque Populaire,  
societe anonyme a capital variable, Mont-  
ceau-les-Mines (Saone-et-Loire). Statis-  
tics of the society. 903  
285. La Securite des familles, Lapugney  
(Pas-de-Calais). Publications. 902  
286. Leautey, Eugene, Paris. Works on  
commercial instruction. 905  
287. L'Union, compagnie d'assurances  
contre l'incendie et sur la vie, Paris.  
Participation of the employes in the pro-  
fits, insurance and pensions. 902  
288. L'Union, compagnie d'assurances  
contre l'incendie, Paris. Table relative  
to the operations of the company. 902  
290. Marie, Leon, Paris. Mathematical  
and practical treatise on finance. 903  
291. Ministere du commerce, de l'indus-  
trie et des colonies, Service de l'enseigne-  
ment commercial, Paris. "Regulations  
and documents. 895  
291a. Muller & Roger, Paris. Apparatus.  
898  
292. Paris, Arthur, Greux (Vosges).  
Method of automatic book-keeping. 905  
293. Syndicat des ingenieurs-conseils,  
Paris. Bulletin of the syndicate. 896  
294. Syndicate central des voyageurs et  
representants de commerce de France et  
des Colonies, Paris. Tables and docu-  
ments. 896  
295. Union des Banquiers des depart-  
ment, Troyes (Aube). Volume and map.  
903

## GROUP 155.

296. Alliance Francaise, association na-  
tionale pour la propagation de la langue  
Francaise dans les colonies et a l'etranger,  
Paris. Statistics and pamphlets. 907  
297. Berthier, Lazare, Paris. Collection  
of the best authors. 910  
298. Bibliotheque populaire libre du 18 ar-  
rondissement de Paris, Paris. Documents.  
911  
299. Lecoffre, Victor, Paris. Works of  
the Catholic library. 911  
300. Societe Franklin pour la propagation  
des bibliotheques populaires, Paris.  
Journal of public libraries, catalogue, etc.  
911

## Social, Industrial and Co-Operative Associations.

- | Exhibit<br>No.                               | Class'n<br>No. | Exhibit<br>No.                              | Class'n<br>No. |
|--|----------------|---|----------------|
| 301.   |                | 325.  |                |
| Syndicat des bibliotheques populaires        |                | Chambre consultative des associations       |                |
| libres de la Seine, Paris. History of the    |                | ouvrieres de production, Paris. Statistic   |                |
| free public libraries of the Seine, working, |                | relative to the operations of the associa-  |                |
| organization and results obtained.           | 911            | tion.                                       | 914            |
| <b>GROUP 156.</b>                            |                |   |                |
| 302.   |                | 326.  |                |
| Assistance par le travail, Paris.            |                | Chambre syndicale du papier et des          |                |
| Various documents.                           | 914            | industries qui le transforment, Paris.      |                |
| 303.   |                | Statistics and explanatory pamphlets.       | 911            |
| Association des voyageurs de com-            |                | 327.  |                |
| merce, Paris. Annuals of the association.    |                | Chambre syndicale de la gravure,            |                |
|  | 915            | Paris. Statutes of the syndicate.           | 914            |
| 304.   |                | 328.  |                |
| Association des Comptables du com-           |                | Chambre syndicale des ouvriers con-         |                |
| merce et de l'industrie du department de     |                | structeurs-mecaniciens de Rouen et l'ar-    |                |
| la Seine, Paris. Assistance of workmen       |                | rondissement, Rouen (Seine-Inferieure).     |                |
| reports.                                     | 818            | Documents concerning the society.           | 914            |
| 305.   |                | 329.  |                |
| Association generale des Etudiants           |                | Chenon de Leche, Henri, Saint-              |                |
| de Paris, Paris. Work of students' asso-     |                | Florent-sur-Cher (Cher). Publications of    |                |
| ciations.                                    | 912            | the co-operative society of the dining-     |                |
| 308.   |                | rooms of Bourges (Cher).                    | 916            |
| Association nationale de la meunerie         |                | 330.  |                |
| Francaise, Paris. Publications.              | 915            | Club alpin Francais, Paris. Maps,           |                |
| 310.   |                | photographs and publications.               | 912            |
| Association protestante pour l'etude         |                | 331.  |                |
| pratique des questions sociales, Nimes       |                | Comite de participation des oeuvres         |                |
| (Gard). Publications of the association.     | 912            | protestantes, Paris. Statistics and vari-   |                |
|  |                | ous documents.                              | 916            |
| 311.   |                | 332.  |                |
| Blanchisserie et teinturerie de Thaon,       |                | Comite protestant Francais, Paris.          |                |
| Thaon-les-Vosges (Vosges). Statistics.       | 915            | Documents concerning the society.           | 918            |
| 313.   |                | 333.  |                |
| Bou langer & Co., Faïencerie Choisy-         |                | Compagnie des chemins de fer de             |                |
| C-Roi (Seine). Moral and provident in-       |                | l'Ouest, Paris. Statistics of the provident |                |
| stitutions of the establishment.             | 918            | and beneficent societies of the company.    | 918            |
| 314.   |                |   |                |
| Caisse de defense mutuelle des archi-        |                | 334.  |                |
| tectes, Paris. Statistical bulletin.         | 915            | Compagnie des chemins de fer de             |                |
| 315.   |                | Paris-Lyon-Mediterranee, Paris. Provid-     |                |
| Caisse des depots et consignations,          |                | ent and benefit institutions created by     |                |
| Paris. Documents on the national pen-        |                | the company.                                | 918            |
| sion fund for aged men.                      | 918            | 335.  |                |
| 316.   |                | Compagnie des docks et entrepots de         |                |
| Caisse des retraites et caisse de            |                | Marseille, Paris. Working of its super-     |                |
| secours des employes de la librairie A.      |                | annuation fund.                             | 918            |
| Le Vasseur & Co., Paris. Statistics and      |                | 336.  |                |
| documents.                                   | 918            | Compagnie des mines d'Anzin, An-            |                |
| 317.   |                | zin (Nord). Provident institutions.         | 918            |
| Caisse de retraite des ouvriers de           |                | 337.  |                |
| Sedan; Sedan (Ardennes). Reports.            | 918            | Compagnie des mines de houille de           |                |
| 318.   |                | Blanzy, Montcau-les-Mines (Saone-et-        |                |
| Cercle des macons et tailleurs de            |                | Loire). Documents.                          | 914            |
| pierre, Paris. Samples of work.              | 914            | 338.  |                |
| 320.   |                | Compagnie des sauveteurs rouennais,         |                |
| Cercle republicain d'Arras, Arras            |                | Rouen (Seine-Inferieure). Statistical vol-  |                |
| (Pas-de-Calais). Statistics and docu-        |                | ume.  | 914            |
| ments.                                       | 913            | 339.  |                |
| 321.   |                | De Boyve, Edouard, Nimes (Gard).            |                |
| Chambre syndicale de la boucherie            |                | Journal L'Emancipation.                     | 913            |
| de Paris, Paris. Statistics and annual.      | 914            | 340.  |                |
| 322.   |                | Federation des Societes co-opera-           |                |
| Chambre syndicale des entrepreneurs          |                | tives des employes, des chemins de fer de   |                |
| de charpente de la ville de Paris du de-     |                | Paris-Lyon-Mediterranee, Grenoble (Isere).  |                |
| partment de la Seine, Paris. Statistics.     | 914            | Working of the federation.                  | 916            |
| 323.   |                | 340a.                                       |                |
| Chambre syndicale des entrepreneurs          |                | Gineston, Jules, Paris. Bulletins           |                |
| de couverture, de plomberie, d'assainis-     |                | and annual of the society for the encour-   |                |
| ssement et d'hygiene de la ville de Paris    |                | agement of national industry.               | 918            |
| et du department de la Seine, Paris.         |                | 341.  |                |
| Statistics.                                  | 914            | Gourillon, Desire, Paris. Documents         |                |
| 324.   |                | relative to the Fraternal Union of the      |                |
| Chambre syndicale des entrepreneurs          |                | postmen of Paris and the Seine.             | 915            |
| de maconnerie, du department de la           |                | 342.  |                |
| Seine, Paris. Statistics.                    | 914            | Grand conseil des Societes de sec-          |                |
|  |                | ours mutuels, des Bouches-du-Rhone, Mar-    |                |
|  |                | seille. Documents on the operations of      |                |
|  |                | the Grand Conseil.                          | 914            |

## Social, Industrial and Co-operative Associations.

- |  | Class'n<br>No. | Exhibit<br>No. | Class'n<br>No.   |
|--|----------------|----------------|--|
| groupe des Chambres syndicales de la ville de Paris et du département de la Seine-et-Oise. Industry et Batiment, Paris. Statistics and publications. | 914            | 361.           | Petillat, constructeur de machines agricoles et horticoles, Vichy (Allier). Participation of the staff in the profits and superannuation fund. |
| usson, Francois, Fourcherolles, par eau (Seine-et-Oise). Work: "Solution of the workman social question."  | 914            | 362.           | Piat et ses Fils, Albert, Paris. Documents relative to the participation in the profits and mutual help.                                       |
| Journal des sociétés mutuelles et coopératives, Paris. Publications.   | 916            | 363.           | Plassard, Morin, Fillot, au Bon Marche, Paris. Superannuation fund. Participation in the profits.  |
| Union Fraternelle, caisse de retraite pour la vieillesse, joaillerie, orfèvrerie, Paris. Statistics and publications.                                | 916            | 364.           | Redouly & Co., entrepreneurs de peinture, Paris. By-laws.  |
| Federation nationale des sociétés coopératives de consommation, Paris. Statistics, etc.  | 916            | 364a.          | Rostand, président des congrès des sociétés Françaises de crédit populaire, Marseille (Bouches-du-Rhône). Reports of the congresses.           |
| Revendication, société civile et coopérative de consommation, Puteaux. Plan of organization.   | 916            | 365.           | Rousseau, Arthur, Paris. Works on social economy.  |
| Arche-Joubert & Co., papeterie coopérative d'Angoulême, Angoulême (Charente). Organization and remuneration of the work.                             | 916            | 366.           | Simon & Co., Paris. Provident institutions of the exhibitor.   |
| Economie de Maisons-Alfortville, société co-opérative de consommation, Maisons-Alfort (Seine). Statistics relative to the working of the society.    | 915            | 367.           | Société anonyme du cercle Franklin, Havre. Model of the club, documents, etc.  |
| Etoile, société de secours mutuels pour les garçons restaurateurs et limoniers, Paris. Description.  | 915            | 368.           | Société anonyme des papeteries de Vidalon (Ardeche), Vidalon-les-Annonay (Ardeche). Workmen's institutions.                                    |
| Union nationale de la prévoyance et mutualité, Paris. Documents.   | 918            | 369.           | Société civile co-opérative de consommation du XVII <sup>e</sup> arrondissement de Paris, Paris. The working of the society.                   |
| Union du commerce Société philantropique, Paris. History and operation of the society.   | 918            | 370.           | Société co-opérative des mineurs d'Anzin, Anzin (Nord). Diagram representing the operations of the society, etc.                               |
| Union fraternelle, Lambert, Paris. Statistics and documents.   | 914            | 370a.          | Société de gymnastique et d'armes d'arras. Statistics and publications.  |
| Union fraternelle de Saint-Clement et Denis, Saint-Clement-les-Sens. Publications.   | 914            | 371.           | Société du familistère de Guise, Guise (Aisne). Statistical books.   |
| me, A., & Son, Tours Indre-et-Loire. Patronal institutions.  | 918            | 372.           | Société industrielle, du Nord de la France, Lille. Statistics and pamphlets.   |
| erat, Paul, Paris. Documents on pensions and mutual help.  | 914            | 373.           | Société internationale des études pratiques d'économie sociale, Paris. Publications of the society.  |
| ier, Paris. Patronal institutions of the workmen of the works of (Seine and Marne).  | 918            | 374.           | Société de législation comparée, Paris. Bulletins of the society.  |
| itier Bros., Saint-Germain-en-Laye (Seine-et-Oise). Principal clauses of contract of participation in the work.                                      | 916            | 375.           | Société de secours mutuels et caisse de retraites des ouvriers en soie de Lyon, Lyon. Operations of the society.                               |
| rolles, Jean-Baptiste, Paris. Pamphlet of the workwomen in the textile industry.   | 916            | 376.           | Société de secours mutuels l'Union commerciale de Calais, Paris. Statistics, documents and badge.  |
| uvre libre d'assistance, Paris. Statistics.  | 918            | 377.           | Société de secours mutuels des cantonniers du service vicinal du département des Ardennes, Mézières (Ardennes). Description.                   |
|  |                | 378.           | Société de secours mutuels de la ville de Chaumont, Chaumont (Haute-Marne). Statistics, photograph, etc.                                       |

## Associations, Statistics and Publications, Musical Instruments.

- | Exhibit No.  | Class'n No. | Exhibit No.   | Class'n No. |
|--|-------------|---|-------------|
| 379.   |             | 398.  |             |
| Societe de secours mutuels des cuisiniers de Paris, Paris. Statistical table.  | 914         | Tuleu, Paris. The participation in profits, patronal institutions, etc.   | 916         |
| 380.   |             | 398a.   |             |
| Societe de secours mutuels des instituteurs et institutrices publics du Pas-de-Calais, Arras (Pas-de-Calais). Paper book, member's book.               | 918         | Union Co-operative des Societes Fracaises de Consommation, Paris. Mutual inscriptions and publications.                               | 916         |
| 381.   |             | 399.  |             |
| Societe de secours mutuels de Lizy-sur-Ourcq, Lizy-sur-Ourcq (Seine-et-Marne). Statistical tables and documents.                                       | 915         | Union de la jeunesse republicaine, Societe d'instruction et d'education democratiques, Paris. Bulletins of the labors of the society. | 913         |
| 382.   |             | 400.  |             |
| Societe de statistique de Paris, Paris. Collection of the journals of the society.   | 912         | Voelker-Coumes, Bayon (Meurthe-et-Moselle). Assistance and superannuation fund; moral and financial results.                          | 914         |
| 383.   |             |   |             |
| Societe des mines de Douchy et des schistes bitumeux, Paris. Working institutions of the society.  | 914         |   |             |
| 384.   |             |   |             |
| Societe de prevoyance des artistes dessinateurs et graveurs sur bois, Paris. Statistical table.  | 914         |   |             |
| 385.   |             |   |             |
| Societe de protection mutuelle des voyageurs de commerce. Statistical album.   | 914         |   |             |
| 386.   |             |   |             |
| Societe municipale de secours mutuels du XVIIe arrondissement de Paris, Paris. Operations of the society.  | 918         |   |             |
| 387.   |             |   |             |
| Societe municipale de secours mutuels du quartier de la Porte Saint-Martin, Paris. History of the society.   | 918         |   |             |
| 388.   |             |   |             |
| Societe mutuelle de prevoyance des employes de commerce du Havre, Havre. Documents.  | 915         |   |             |
| 389.   |             |   |             |
| Societe mutuelle de prevoyance pour la vieillesse, Reims (Marne). Statutes, reports, etc.  | 918         |   |             |
| 390.   |             |   |             |
| Societe philanthropique des commis-marchands-tailleurs de Paris, Paris. Statistics and pamphlets.  | 914         |   |             |
| 391.   |             |   |             |
| Societe pour l'etude pratique de la participation du personnel dans les benefices, Paris. Twelve volumes of its labors.                                | 917         |   |             |
| 392.   |             |   |             |
| Societe republicaine des conferences populaires, Paris. Documents of the society.  | 913         |   |             |
| 393.   |             |   |             |
| Syndicat de la boulangerie de Paris, Paris. Documents relative to the service of the syndicate.  | 914         |   |             |
| 394.   |             |   |             |
| Syndicat du commerce en gros de la boucherie de Paris, Paris. Statistics.  | 914         |   |             |
| 395.   |             |   |             |
| Syndicat professionnel l' "Union du batiment" de la ville de Paris et du departement de la Seine, Paris. Object of the syndicate and results obtained. | 914         |   |             |
| 396.   |             |   |             |
| Trefousse & Co., Chaumont (Haute-Marne). Societies of mutual assistance, etc.  | 918         |   |             |
| Lambert, Albert, Paris. Works on union in profits.   | 916         |   |             |

## GROUP 157.

- |      |   |     |
|------|---|-----|
| 401. | Ligue populaire pour le repos du dimanche en France, Paris. Bulletin of the league.   | 924 |
| 402. | Moutier Bros., Saint-Germain-en-Laye (Seine-et-Oise). Patronal institutions, rules, regulations, etc.                               | 925 |
| 403. | O'Euvre de la propagation de la foi, Paris. Documents.  | 922 |
| 404. | O'Euvre du Van national au Sacre-Coeur, Paris. Statistics and documents.  | 924 |
| 405. | Office central des institutions charitables, Paris. Photographs, drawings and books.  | 925 |
| 406. | Petge, L'abbé, Paris. Documents.  | 922 |
| 407. | Societe biblique protestante de Paris, Paris. Religious works.  | 922 |
| 408. | Societe generale d'education et comite catholique de Paris, Paris. Documents.   | 923 |
| 409. | Societe philanthropique de Paris, Paris. Charitable establishments.   | 925 |
| 410. | Societe des secours mutuels et de retraites l' "Emulation Chretienne de Rouen," Rouen (Seine-Inferieure.) Statistics and documents. | 922 |
| 411. | Societe de secours mutuels de Warcq, Rimogne (Ardennes). Statutes of the society, reports, etc.                                     | 914 |

## GROUP 158.

- |      |   |     |
|------|---|-----|
| 412. | Aucher Bros., Paris.  |     |
|      | a Pianos.   | 930 |
|      | b Harmoniums and organs.  | 935 |
| 413. | Bazin, Mirecourt (Vooges). Bows, violoncello and bass viol.             | 939 |
| 414. | Bord, A. & Co., Paris. Grand and upright pianos.                        | 930 |
| 415. | Burgasser & Theilmann, Paris. Pianos with crossed strings.              | 930 |
| 416. | Carpentier, Jules, Paris. Automatic apparatus for playing on the piano. | 930 |

## Music and Musical Instruments—The Theatre.

	Class'n No.	Exhibit No.	Class'n No.
Chevrel, Paris. Ornamentation for cal instruments.	936	444. Les Fils de Mustel V., Paris. Celesta percussion instruments.	927
Choral de Belleville, Paris. Historical notice and other documents.	926	445. Leveque & Theron, Paris. a Pianos. 930 b Harmoniums. 935	
Collectivite des Facteurs et Harmon-Francais. Pianos. 930 Organs and harmoniums. 935		446. L'Harmonie municipale du XVe arrondissement de Paris, Paris. Statistics and documents. 926	
Cottureau, Alphonse, Paris. Reed for wind instruments. 936		447. Limonaire Bros., Paris. Organs. 935	
Cottino & Tailleur, Paris. Pianos. 930 Harmoniums. 935		448. Martin Bros., Paris. Wind instruments. 931	
Courand & Sons, Paris. Musical publications. 926		449. Mille, Auguste, Paris. Brass musical instruments. 933	
Cuvette & Schaeffer, Paris. Key wind instruments. 934 Reed-pipe wind instruments. 935		450. Ollendorf, Paul, Paris. Dramatic publications. 938	
Ensemble de Vanves, Vanves (Seine). and documents of the society. 926		451. Pinet, Leon, Paris. Metallic free reed pipes, accessories for harmoniums. 936	
Ensemble de l'usine Enault, Grandrogue (Seine). Description. 926		452. Pleyel, Wolff & Co., Paris. Grand and upright pianos. 930	
Ensemble Municipale de Brestles, (Oise). Documents concerning society. 926		454. Ricaris, De, Paris. Tuners and physiologic phonometers. 936	
Ernst, Ernest, Fils aine, Paris. Grand pianos. 930		455. Rossero, D., Paris. Skins for musical instruments. 936	
Fasparini, Alexandre, Paris. Cylindran. 935		456. Ruch, Paris. Upright and grand pianos. 930	
Faveau, J. G., Paris. Upright and pianos. 930		457. Societe anonyme des acieries et forges de Firminy, Firminy (Loire). Piano sounding-boards mounted with Firminy strings, etc. 930	
Faveau, Paris. Upright and grand pianos. 930		457a. Societe Chorale de l'ecole-Galin-Paris-Cheve, Paris. Statistics and documents. 926	
Fard, Joseph, Paris. Pianos. 930		458. Societe chorale La Lyre de Belleville, Paris. Photograph, documents, etc. 926	
Fautrier, Edmond, Paris. Upright and pianos. 930		459. Syndicat des societes musicales de France, Paris. Manuscript, history and labors of the syndicate. 926	
Fausen, Pierre, Saint-Ouen (Seine). Pianos. 930		460. Thibout, Paris. a Pianos. 930 b Harmoniums. 935	
Harmonie de Montmartre-Musique male du XVIII arrondissement de Paris. Manuscript history of the society. 926		461. Thibouville Sons, Martin, Paris. a Flutes and flageolets. 931 b Clarinets and hautboys. 932 c Bassoons. 933 d Horns. 934	
Harmonie-Express des chemins de fer et, societe chorale et philharmonique. Documents. 926		462. Thibouville, Son, & Co., Paris. a Flutes. 931 b Clarinets and hautboys. 932	
Hall, Pierre-Joseph, Lille (Nord). Violins. 929		463. Thibouville-Lamy, Jerome & Co., Paris. a Stringed instruments. 928 b Pianists. 930 c Brass wind instruments. 933 d Accessories of instrument-making. 936	
Stringed instruments. 930		464. Union musicale de Saint-Denis, Saint-Denis (Seine). Statistics and documents. 926	
Reed-piped instruments. 935		465. Vanet, Paris. Piano. 936	
Requart, P. Ch., & Son, Nancy (Meur-Moselle). Stringed instruments. 928			
Requart & Son, Nancy. Stringed instruments and bows. 928			
Rein, Jules, Paris. Hautboy. 932			
Reigelstein & Co., Paris. Grand pressed string pianos. 930			
Reinse, Paris. Crossed and string pianos. 930			
Rey, Paris. Crossed strings, half	930		

## GERMANY.

LOCATION—GALLERY, SECS. A, C AND D, UNLESS OTHERWISE STATED.

## Hygiene, Medicine.

## GROUP 147.

Exhibit No.	Class No.
1. Baths at Kreuznach. Thermal literature.	Dept. A 829
2. Baths at Langenschwalbach. Thermal literature.	Dept. A 829
3. Baths at Nauheim. Thermal literature.	Dept. G 829
4. Baths at Neuhaus. Thermal literature.	Dept. A 829
5. Brehner, Dr., Goerbersdorf, Silesia. Thermal literature.	Dept. A 829
6. Centralstelle fuer Sommerpflege in Deutschland, Berlin. Statistics, plans and models of sanitariums for children:	831
7. Dernen Brothers, Cologne. Protective clothing for workmen.	Dept. F 830
8. Gandré, Friedrich, Hildesheim. Models of disinfecting apparatus for hospitals.	Dept. G 832
9. Grove, David, Berlin. Drawings of heating and ventilating plants for the German parliament building.	Dept. G 829
10. Heilemann, Julius, Berlin. Two-story house of iron outside walls.	827
11. Homburg Baths. Thermal literature.	Dept. A 829
12. Horst & Weltzien, Darmstadt. Drawings of the clinical hospitals and of the insane asylum of Giessen.	832
13. Koehler, Jean, Freiburg, Baden. Combustible pocket telescoping spittoon.	829
14. Loeb, Bernhard, Berlin. Respiratory apparatus.	830
15. Luftkurort & Weilbach, Weilbach-Baden. Thermal literature.	Dept. A 829
16. Meyer, Rud. Otto, Hamburg. Drawings of heating and ventilating plants in use at public institutions in Germany.	Dept. G 829
17. Misdroy Summer Resort. Reports and views.	Dept. A 829
18. Mueller, Uri. Ludwig, Coburg. Reproductions of diseases of the eye.	830
19. Royal Bavarian Baths, Kissingen. Thermal literature.	Dept. A 829
20. Royal Prussian Baths, Bertrich. Thermal literature.	Dept. A 829
21. Royal Prussian Baths, Ems. Thermal literature.	Dept. A 829

Exhibit No.	Class No.
22. Royal Prussian Sea Resort, Nordsee. Thermal literature.	Dept. A 829
23. Schimmel, Oscar, & Co., Chemnitz. Plans of public disinfecting institutions.	Dept. G 832
24. Schlangenbad, Wiesbaden. Thermal literature.	Dept. A 829
25. Schuster, Carl, Berlin. School bench with folding plate and apparatus for physical culture.	842
26. Seebad Helgoland, Helgoland. Thermal literature.	Dept. A 829
27. See and Soolbad, Kolberg. Thermal literature.	Dept. A 829
28. Soden am Taunus Bad, Soden. Thermal literature.	Dept. A 829
29. Staedtische Kurverwaltung, Baden-Baden. Thermal literature.	Dept. A 829
30. Vereinder Berliner Volkskuechen, Berlin. Drawings and model of a charitable eating house; pamphlets.	836
31. Von Sierstorff-Cramm'sches Bad, Driburg. Thermal literature.	Dept. A 829
32. Wolff, Felix, Berlin. Drawings of tenement houses.	827

## GROUP 148.

33. Bauriedel, P. G., Nuremberg. Wafers.	834
34. Bock, Hilmar, Oberweissbach. Artificial human eyes.	838
35. Dannenberg, C. G. A., Hamburg. Surgical instruments and apparatus.	Dept. H 837
36. Dewitt & Herz, Berlin. Surgical instruments, etc.	Dept. H 837
37. Doerffel & Faerber, Berlin. Ophthalmologic and laryngoscopic instruments and apparatus.	Dept. 837
38. Duchressen, Alfred, Berlin. Antiseptic ligature.	837
39. Fischer, F. L., Freiburg. Surgical instruments and cases for instruments.	Dept. H 837
40. Fleischer T., Plasen, Saxony. Treatures for bandages.	838
41. Halle, Bernhard, Steglitz. Optical preparations for polarization.	Dept. J 834

## Medicine, Education.

- |   | Class'n<br>No. | Exhibit<br>No.   | Class'n<br>No. |
|---|----------------|--|----------------|
| urtmann, Paul, Heidenheim, Wur-<br>erg. Aseptic and antiseptic bandages.<br>Dept. H | 887            | 65. Duerfeld, Viktor, Berlin. System of<br>instruction in agriculture, etc.  | 852            |
| cht, J., Berlin. Ophthalmological<br>aryngoscopic instruments.<br>Dept. J           | 837            | 66. Elsner, Julius, Goldlauter-near-Suhl.<br>Chemical and physical apparatus.<br>Dept. J   | 845            |
| ter & Scheerer, Tuttlingen, Wur-<br>erg. Aseptic surgical instruments.<br>Dept. H   | 887            | 67. Erster Dresdener Frauenbildungsver-<br>ein, Dresden. System of instruction for<br>the drawing of patterns for linen.   | 852            |
| l. Lehmann, Berlin. Creosote<br>les.  | 884            | 68. Fischbach, Friedrich, Wiesbaden.<br>Lithographic plates and designs.   | 852            |
| iserl. Normal—Aichungs—Kom-<br>n, Berlin. Complete outfit of a<br>r's office.       | 847            | 69. Foerster, Miss Auguste, Cassel. Uten-<br>sils for children's schools of cooking.   | 848            |
| hn, Emil, Karlsruhe. Platinum<br>izer for medical use. Dept. H                      | 887            | 70. Frauenbildungsverein, Breslau. Sys-<br>tem of instruction and works of the kinder-<br>garten.  | 841            |
| ir, Eugen, Eschau, Bavaria.<br>apsules filled with medical sub-<br>stances.         | 834            | 71. Frauenbildungsverein, Eisenach. De-<br>scription of the system of Froebel's school<br>of sewing.   | 841            |
| eeft tea capsules.  | 835            | 72. Frauenbildungsverein zur Foerderung<br>der, Erwerbsthaetigkeit, Breslau. System<br>of instruction for schools of millinery and<br>dressmaking; work of pupils. | 843            |
| b, Bernhard, Jun., Berlin. Eye  | 888            | 73. Frauenarbeitsschule, Reutlingen. Sys-<br>tem of instruction in young women's<br>school.  | 842            |
| iller, C., Berlin. Surgical instru-<br>and nursing appliances.<br>Dept. H           | 887            | 74. Froebel-Verein, Berlin. Collection of<br>Froebel's means of instruction and occu-<br>pation.   | 841            |
| iller, F. A., & Sons, Wiesbaden.<br>athological preparations, etc.                  | 884            | 75. Gagel, Karl, Karlsruhe. Industrial<br>art designs.   | 846            |
| rtificial eyes. Dept. H   | 888            | 76. Gebhardt, Paul, Berlin. Scientific<br>physical apparatus for instruction.<br>Dept. J   | 845            |
| ller-Kuller, Christoph, Lauscha.<br>al eyes. Dept. H                                | 888            | 77. Gerber, August, Cologne. Plaster<br>casts.   | 846            |
| ller-Uri, Ludwig, Coburg. Ar-<br>eyes.  | 888            | 78. Goetz, Hermann, Karlsruhe. Publica-<br>tions and drawings from his designs.  | 846            |
| hn, R., Dresden. Medical banda-<br>Dept. H  | 837            | 79. Grossherzogt. Saechsische Praefung-<br>sanstalt fuer Glasinstruments Tilmannau.<br>Chemical apparatus.   | 845            |
| aidt, Johann, Nuremberg. Wafers.  | 834            | 80. Haushaltungs Schule fuer Bauern<br>Toechter, Radolfzell, Baden. Compen-<br>dium and reports.   | 848            |
| lze, Bruno C., Ilmenau. Artificial<br>Dept. H                                       | 838            | 81. Heerwart, Miss, Eisenach. Froebel's<br>system of teaching.   | 841            |
| nm, J., Berlin. Surgical instru-<br>nd apparatus. Dept. H                           | 837            | 82. Hendschel, M., Frankfort-on-the-<br>Main. Sketch book.   | 846            |
| berg Hitzacker Sanitarium.<br>roducing beverage.                                    | 834            | 83. Heyl, Mrs., Charlottenburg. Utensils<br>for children's schools of cooking.   | 848            |
| ndl, K. R., Leipsic. Artificial<br>d sets of teeth. Dept. H                         | 839            | 84. Hoffman, Julius, Stuttgart. Designs<br>for art industrial work.  | 846            |
| ller, H., Berlin. Surgical instru-<br>Dept. J                                       | 837            | 85. Hoffmann & Ohnstein, Leipsic. Man-<br>uals for female handiwork.   | 843            |
- GROUP 149.**
- cher Frauenverein, Karlsruhe.  
nd description of public institu-  
850
- cher Kunstgewerbe - Verein,  
e. Publications, prints. 842
- ier Mannfrantenverein, Berlin.  
a school of cooking; manuals. 843
- tive, Exhibit of the System of  
Instruction, Eisenach. Memor-  
hic representations and synopsis.  
851
87. Kaiserl. Normal—Aichungs—Kom-  
mission, Berlin. Scientific publications,  
etc. Dept. J 845

## Education, Literature.

Exhibit No.	Class'n No.
88. Kapferer, C. A. Frankfort-on-the-Main. Small school room with patent benches and tables. 841	
89. Kern, T. U., Breslau. Works on natural science, illustrated cartoons and playbooks. 845	
90. Kindergarten-Verein, Breslau. Model of a kindergarten. 841	
91. Kinder Rettungsanstalt, Herbrechtingen-Wurtemberg. Handwork of children. 843	
92. Kleinkinder Verpflegungs-Anstalt, Stuttgart. Photographs of the "Olga" crib. 841	
93. Klemm, H., Dresden. Literature for dressmakers. 848	
94. Klose & Wollmerstaedt, Berlin. Xylographical works. 846	
95. Kohl, Max, Chemnitz. Air-pumps and scientific apparatus. Dept. J 845	
96. Kramer & Fuchs, Frankfort-on-the-Main. Sample book. 843	
97. Krantz, F., Bonn. Collection of models of minerals and relief-maps. 845	
98. Laenger, Max, Karlsruhe. Sketches. 846	
99. Landois, H., Muenster. Zoological preparations for instruction. 845	
100. Lette-Verein, Berlin. Courses of instruction and work of pupils. 847	
101. Magistracy, Breslau. System of instruction for handwork in the public schools of Breslau; work of pupils. 844	
102. Magistracy, Munich. Drawings and penmanship from the Munich public schools. 850	
103. Marbach, Miss, Eisenach. Portfolio with Froebel's system of occupation. 841	
104. Nitzschke, Wilh., Stuttgart. Designs for art industry. 846	
105. Sommer, Marcus, Sonneberg. Anatomical models. 845	
106. Sophienshift, Weimar. Views of the institution, work of pupils and means of instruction. 844	
107. Nebe, Wilhelm, Zerst. Chemical and physical glass instruments. Dept. J 845	
108. Verein fuer Volkserziehung, Berlin. Educational life in the "Pestalozzi-Froebel House" represented in plastic groups. 841	
109. Verein zur Erziehung Schulentlassener Amer Maedchen, Berlin. Model of the institution. 851	
110. Wachter, M., Freiburg. Copy books. 848	
111. Ziegler, Friedrich, Freiburg. Models of wax for scientific instruction. 845	

## GROUP 150.

All Exhibits in this Group are Installed in the German Pavillon Unless Otherwise Specified.

Exhibit No.	Class'n No.
112. Abel, Ambr., Leipsic. Works on medicine and botany. 854	
113. Abel & Mueller, Leipsic. Illustrated works. 857	
114. Ackermann, Th., Munich. Books. Dept. G 854	
115. Albert, Jos., Munich. Illustrated works. 857	
115b. Albert, Jos., Munich. Colored half-tones, illustrated works and photo-gravures. 854	
116. Amelang, C. F., Leipsic. a Illustrated works, literature, anthologies. 854 b School books. 855	
117. Amthor'sche Verlagsbuchhandlung, Leipsic. Tourists' guides. 852	
117a. Anklam, Albert, Berlin. Impressions of engravings. 854	
118. Architekten und Ingenieur Verein, Hanover. Periodical of the association. Dept. G 856	
119. Asher, A., & Co., Berlin. Scientific and archaeological books. 854	
120. Baedeker, G. D., Essen. a Geographical works. 854 b School books. 855	
121. Baedeker, Julius, Leipsic. a Literature. 854 b Illustrated works. 857	
122. Baedeker, Karl, Leipsic. Tourists' guides. 852	
123. Baer, Joseph, & Co., Frankfort-on-the-Main. Books. 854	
124. Barth, Joh. Ambr., Leipsic. Works on natural science. 854	
125. Bassermann 'sche Buchhandlung, Munich. Books. 854	
126. Bassermann, Fr., Munich. Wilhelm Busch's humorous literature. 854	
127. Baumgaertner 'sche Buchhandlung, Leipsic. Books. Dept. G 854	
127a. Baumgarten, E. von, Munich. Chromo-lithographs. 854	
128. Berg, E. F. W., Berlin. Trade journals. 856	
129. Bergmann, J. F., Wiesbaden. Books. Dept. G 854	
130. Berthold, Rud., & Co., Wiesbaden. Printed works. 854	
131. Berker-Merker, E., Heilbronn. Printed works. 854	

## Literature, Books, Libraries, Journalism

	Class'n No.	Exhibit No.	Class'n No.
Berliner Kunst-Druck und Verlags-Anstalt (vormals A. & C. Kaufmann), Berlin, W. Germany. Artistic reproductions chromo-lithography, etc.	854	157. Dieterichsche, Verlagsbuchhandlung Goettingen. Works on classical philology.	854
art chromo printers. Specialty fine maps of all kinds, show cards, advertisements, luxur papers, cards, etc.	854	158. Dreesen, Wilh., Flensburg. Illustrated books.	857
Bertling, Theod., Danzig. Printed ks.	854	159. Drugulin, W., Leipsic. Ancient and oriental literature and prints.	854
Bielefeld's Verlag, Karlsruhe. Books.	854	160. Duncker, Alex., Berlin. Political correspondence of Frederick the Great.	854
Dept. G	854	161. Emele, Jul., Wiesloch. Works about bookkeeping, literature and horology.	854
Bleyl, T., Dresden. Works on architecture and art industry.	854	162. Engelmann, Wilh., Leipsic. Literature of natural science, history and ethnology.	854
Bloem, Julius, Dresden. Trade journals and calendars.	856	163. Ewertsche, N. G., Verlagsbuchhandlung, Marburg. Printed works.	854
Boas & Hesse, Berlin. Medical dictionary.	854	164. Exportverein fuer das Koenigreich, Dresden. Manuals for exporters.	860
Bong & Co., Berlin. "Zugutende," Illustrated Family Journal and rated Classic Library.	857	165. Felix, Arthur, Leipsic. Books.	854
Bong, Rich., Berlin. Illustrated periodical "Moderne Kunst."	857	Dept. G	854
Bormann, Edwin, Leipsic. Poetry in axon dialect.	854	166. Fiedler, W., Leipsic. Order calendar for publishing houses.	860
Boysen, C., Hamburg. Illustrated works of Allers, Haase and Mueller.	857	167. Fleischmann, Julius, Gotha. Manual for exporters.	860
Boysen & Maasch, Hamburg. Works on architecture and industry.	854	Dept. G	860
Brandner, Otto, Dresden. Religious rated works.	857	168. Flemming, Carl, Glogau.	854
Brandstetter, Friedrich, Leipsic. ol books.	855	a Juvenile literature.	854
Braun & Schneider, Munich. "Flieblaetter."	857	b Maps.	864
Breitkopf & Haertel, Leipsic. Books.	857	169. Fliegel, F. F., & Co., Dresden. Posters; articles for publicity, etc.	860
Breymann & Huebener, Hamburg. Printed catalogues.	860	170. Fock, Gustave, Leipsic. Printed works.	854
Brockhaus, F. A., Leipsic. Dictionary.	854	170a. Foerster & Borries, Zwickau. Samples of printing, chromo types, etc.	854
Bruening, Heinar. & Aug., Hanau. Labels, etc.	860	171. Franke, Bernh., Sangerhausen. Printed works.	854
Buchhandlung der Waisenhausen, Books.	854	172. Freyhoff, Ed., Oranienburg. Works on economy and agriculture.	854
Bulz, Martin, Chemnitz. Books.	854	173. Friebe, Hugo, & Co., Leipsic. Pamphlet on the bookbinders' trade.	856
Brief Mayor's office, Cologne. Drawings of street and canal construction, harlan, municipal elevated construction, etc.	863	174. Friederichsen, L., & Co., Hamburg. Land and marine charts.	864
Dept. G	863	175. Friedlaender, R., & Son, Berlin. Works on natural history and science.	854
Bunsen, O., Munich. Printed works.	845	176. Friedrich, Wilh., Leipsic. High class literature.	854
Butta'sche, J. G., Stuttgart. Books.	854	177. Friese & von Puttkamer, Dresden. Works on machinery.	854
Baz & Gerlach, Freiberg, Saxony.	854	178. Friese, Robert, Leipsic. Printed works.	854
Bonau, Rudolf, Leipsic. Sketches of Africa.	854	178a. Frisch, Albert, Berlin. Prints.	854
Bonissen-Anstalt, Kaiserswerth. Religious literature.	854	179. Froebelhaus, Dresden. Geographical map of the earth.	864
		180. Fromman & Morian, Darmstadt. Geographical boards for instruction in natural history.	864
		181. Gebhardt & Willech, Leipsic. School books and works on anatomy.	855
		182. Geibel & Brockhaus, Leipsic. Juvenile literature.	854

## Literature, Books, Libraries, Journalism.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
183. Gensel, Gustav, Grimma. Printed works.	854	210. Herrose, R., Wittenberg. Printed works.	854
184. Georgi, Carl, Berlin. Printed works.	864	211. Hessling & Spielmeyer, Berlin. Works on architecture.	854
185. Gerhardt, Wolfgang, Leipsic. Works for instruction in the Russian language and oriental literature.	854	212. Heymann, C., Berlin. Works on jurisprudence and political science.	854
185a. German Imperial Printing Office, Berlin. Heliographic products.	854	Dept. G	854
186. Gesellschaft fuer Erdkunde, Berlin. Reproduction of Mercator's work.	864	213. Heymann & Schmidt, Berlin. Advertising cards and novelties.	860
187. Glaser, F. C., Berlin. Annals of trade and architecture. Dept. G	856	214. Hiersemann, Karl W., Leipsic. Literature of art and art industry, architecture, archæology and Americana.	854
188. Goehre, H. M., Leipsic. Bookbinders' work.	856	215. Hinrichs, J. C., Leipsic. Works on bibliography, theology and archæology.	854
189. Graebner, Gustav, Leipsic. Printed works.	854	216. Hinstorffsche Hofbuchhandlung, Wismar. Works of Fritz Reuter, Gaedert and Hr. Semler.	854
190. Graefe & Sillem, Hamburg. Books.	854	218. Hirt, Ferdinand, Breslau. Illustrated works.	857
191. Graf, Herm., & Son, Altenburg. Bookbinders' work.	856	219. Hirt, Ferdinand, & Son, Leipsic. Juvenile and educational literature.	855
192. Graser, Herm., Annaberg. Books.	854	220. Hirzel, S., Leipsic. Books.	854
193. Grotesche, G., Berlin. Illustrated, classic and historical works.	857	221. Hoffmann, A., & Co., Berlin. Printed works.	854
194. Grumbach, C., Leipsic. Illustrative printing.	857	222. Hoffmann, Julius, Stuttgart. Juvenile literature.	854
195. Gutbier, Adolf, Dresden. Printed works.	854	223. Holtze, Otto, Leipsic. Classics and dictionaries.	854
196. Haeder, Herm., Duisburg. Books.	854	224. Institut Bibliographisches, Leipsic. Meyer's dictionary, "Brehm's thierleben," etc.	854
Dept. G	854	225. Institut Kaiserlich Deutsches Archæologisches, Berlin. Official publications.	854
197. Haekner, Carl, Dresden. Printed works.	854	226. Institut Koenigl Stenographisches, Dresden. Publications of members.	856
198. Haessel, H., Leipsic. High class literature.	854	227. Issleib, Wilhelm, Berlin. Works on medicine.	854
199. Hahn'sche Buchhandlung, Hanover. Books.	854	228. Jordan, W., Frankfort-on-the-Main. High class literature.	854
200. Halle, W., Altona. Printed works.	854	229. Juestel & Goettel, Leipsic. Works for manufacturers.	854
200a. Hanfstaengel, Franz, Munich. Photo-engravings, zinc etchings.	854	229a. Junglaendel, Max, Berlin. Prints on silk.	854
201. Harrassowitz, Otto, Leipsic. Printed works.	854	230. Kanits, Herm, Gera. Printed works.	854
202. Harwitz, Max, Berlin. Printed works.	854	230a. Kast & Ehinger, Stuttgart. Lithographic and typographic colored prints.	854
203. Hedeler, G., Leipsic. Journal for exporters.	856	231. Keil, Ernst, Leipsic. Magazine, "Gartenlaube."	857
204. Heine, J. J., Berlin. Printed works.	854	232. Keller, Henri, Frankfort-on-the-Main. Illustrated works on architecture, art history, etc.	857
205. Hendel, Otto, Halle-on-the-Saale. Printed works.	854	233. Keller, Wilhelm, Munich. Printed works.	854
206. Henze, A., Leipsic. Geographical globes.	864	234. Kitz, Herm., Saalgau, Wurttemberg. Books.	854
207. Herder'sche Verlagsbuchhandlung, Freiburg. Printed works.	854		
208. Hermann, H. S., Berlin. Chinese geographical map.	864		
209. Herrcke & Lebeling, Stettin. School books for the English language.	855		

## Literature, Books, Libraries, Journalism.

it	Class'n No.	Exhibit No.	Class'n No.
Klemm & Weiss, Dresden. Trade rature for tailors.	860	261. Loewe, F., Stuttgart. Juvenile liter- ature.	854
Klim Gebirgskuroeb Polizin, Pom- nia. Pamphlets. Dept. A	854	262. Loewenthal, W. & S., Berlin. Berlin directory.	862
Klinkhardt, Jul., Leipsic. Printed ks.	854	264. Luestenoeder, H., Berlin. Printed works.	854
Koehler, K. F., Berlin. Printed ks.	854	265. Maeser, Julius, Leipsic. Printed works.	854
Koesel'sche, Jos., Buchhandlung, apten. Photo-lithograph, etc.	854	266. Mahlau & Waldschmidt, Frankfort- on-the-Main. Printed works.	854
Kohlhammer, W., Stuttgart. Works political history and jurisprudence, ital literature and documents from Vatican.	854	267. Mahn, Adolf, Leipsic. "Von Haus zu Haus," weekly journal.	857
Kreidel, C. W., Wiesbaden. Printed ks.	854	268. Malcanes, Carl, Berlin. Printed works.	854
Kretschmann, R. & M., Magdeburg. thological literature.	854	269. Martin, C. A., Leipsic. Trade jour- nal for turners and wood sculptors.	856
Kuehtmann, Gerhard, Dresden. s on pedagogy and technology.	854	269a. Meiscenbach, G., & Co., Munich. Ruling for half tones.	854
Kuerschner, Jos., Stuttgart. Selections his own works.	854	269b. Meissner & Buch, Leipsic. Colored prints.	854
Kunatakademie und Kunstgesver- nule, Koenigl, Leipsic. Official pub- ons of the institution.	854	269c. Meene & Co., Crefeld. Silk labels, initials, trade marks.	854
Kunz, M., Illzach, Alsace. Geographi- oks.	854	270. Mitscher & Roestell, Berlin. Printed works.	854
abensien, Max, Rathenow. Military ture.	854	271. Mittelacher, Ad., Duesseldorf. Card- board labels.	860
ampart's Alpiner Verlag, Augsburg. and guides to the German Alps.	864	272. Mohrmann, Ernst, Stuttgart. Printed works.	854
angenschidt, G., Berlin. Work on udy of modern languages and lit- e.	854	273. Morgenstern, E., Bressan. Maps for instruction in physics and natural history.	864
ang, Georg, Leipsic.		274. Moritz, J., & Co., Alsace. Copying book with sample print.	854
Books.	854	275. Mueckenberger, Rudolf, Berlin. Printed works.	854
Maps.	864	275a. Muehlmann, T., Berlin. Engravings for fancy paper, etc.	854
aupp, H., Tullingen. Works on rudence, political economy and ine.	854	276. Mueller, Michael, Munich. Trade literature for merchant tailors.	860
chmann, J. F., Munich. Printed ks.	854	277. Municipality of Berlin. Plans of insane asylum, public lodging house, hospital, public baths, stock yards and slaughter house, markets, bridges, drainage, gas works, etc. Dept. G	863
ipsiger Monatschriftfuer Textil In- e, Leipsic. Trade literature.	860	278. Naumann, C. G., Leipsic. Printed works.	854
simple, Adolph, Leipsic. Printed ks.	854	279. Nitzschke, Wilh., Stuttgart. Juve- nile literature and natural history.	854
egismund, K., Berlin. Portrait of the reigning princes and prin- of Europe.	857	279a. Obernetter, J. B., Munich. Heliograv- ures and phototypes.	854
nbarth, Chr., Wiessbaden. Printed ks.	854	280. Oldenbourg, R., Munich. Books. Dept. G	854
ndauer, J., Munich. Scientific works.	854	281. Opitz & Co., Guestrow. Printed works.	854
operheide, Franz, Berlin. Periodi- odenwelt.	857	282. Oppenheim, R., Berlin. Scientific works.	854
sus & Tischer, Kiel. Books on lding. Dept. G	854	283. Paetel Bros., Berlin. "Deutsche Rundschau," memoirs, etc.	854
hographisch Artistische Anstalt, Chromo-lithograph.	854		

## Literature, Books, Libraries, Journalism.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
284. Paetel, Hermann, Berlin. Scientific works.	854	303. Rueger, Max, Berlin. Printed works.	854
284a. Papierfabrik Sondern, Sondern i-W. Silk labels for bottles.	854	304. Russel, Adolph, Muenster. Catalogue of the German publishing houses.	860
285. Pasch, Max, Berlin. Printed works.	854	305. Saechsischer Ingenieur und Architektent-Verein, Dresden. Organ of the association, "The Civil Engineer."	856
286. Pawelek, H., Regensburg. Theological works.	854	306. Schaefer, Moritz, Leipsic. Technological works.	856
287. Perthes, Justus, Gotha. Literature.	854	307. Schlesische Buchdruckerei, Kunst und Verlags vorm, Breslau. a Sample book with printed matter.	854
288. Pfisterer & Leser, Lahr, Baden. Labels and posters.	860	δ Roster.	860
288a. Photographische Gesellschaft, Berlin. Reproductions of art work, photogravure.	854	308. Schmidt & Gelbrecht, Berlin. Manual directory for exporters.	862
289. Pietsch, Fr. Chr., Giessen. Printed works.	854	309. Schmidt & Guenther, Leipsic. Illustrated works on geography and ethnology.	857
289a. Pinkau, Emil, Leipsic. Lithographic products.	854	310. Schmorl & von Seefeld Nachf, Hannover. Books.	854
290. Prager & Lozda, Berlin. Advertising posters.	860	311. Schoeningh, Ferd., Paderborn. School books.	855
291. Prager, R. L., Berlin. Works on political economy.	854	312. Schorer, J. H., Berlin. "Das Echo" and "Schorer's" Familienblatt periodicals.	857
291a. Proesantner, Moritz, Nachf, Leipsic. Lithographs.	854	313. Schroeder, T. V., Paderborn. Printed works.	854
292. Pustet, Fr., Regensburg. Printed works.	854	314. Schueffner, H. J., Nuremberg. Posters and advertising cards.	860
293. Puttkammer & Muehlbrecht, Berlin. Works on political economy and jurisprudence.	854	314a. Schultz, C. H. S., Schoeneberg, near Berlin. Photo-pastels on silk.	854
294. Ramm & Seemann, Leipsic. Printed works.	854	315. Schulze, Rich., Duisburg. Books.	854
295. Redaktion der Zeitschrift "Stahl und Eisen," Duesseldorf. Literature.	Dept. G 854	315a. Schuster, Rudolf, Berlin. Prints and etchings, photogravures.	854
296. Regenhardt, C., Berlin. a Works on philology and commercial science.	854	316. Schulz-Engelhard, W., Berlin. Works on art industry and architecture.	854
b Trade directories.	862	317. Seehagen, Oswald, Berlin. Schlosser's history of the world.	854
296a. Reichsdruckerei Kaiserlich Deutsche, Berlin. Products of art printing, heliography, etc.	854	318. Seemann, Arthur, Leipsic. High class literature.	854
297. Reimer, Dietrich, Berlin. Geographical maps and globes.	864	319. Seemann, E. A., Leipsic. Works on art and art industry.	854
298. Reisland, O. R., Leipsic. Works on jurisprudence, medicine and geography.	854	320. Send, Anton, Altona. Works on the textile industry, weaving, etc.	854
299. Reuther & Reichard, Berlin. Printed works.	854	321. Seydel, A., Berlin. Books.	Dept. G 854
300. Richter & Kappler, Munich. High class literature.	854	322. Siemenroth & Worms, Berlin. Works on political science and jurisprudence.	854
300a. Riffarth, Heinn., & Co., Berlin. Photogravures, products of zincography and copper printing.	854	323. Siemens, Georg, Berlin. Works on architecture.	854
301. Rosenbaum & Hart, Berlin. Printed works.	854	324. Simon, Leonhard, Berlin. Books.	Dept. G 854
302. Roth, Emil, Giessen. Printed works.	854	325. Sittenfeld, Julius, Berlin. Printed works.	854
		326. Soldan, Sigmund, Nuremberg. Illustrated works.	857

## Literature, Books, Libraries, Journalism.

	Class'n No.	Exhibit No.	Class'n No.
Spamer, Hugo, Berlin. Printed works.	854	353. Verein Deutscher Ingenieure, Berlin. Periodicals of the association. Dept. G.	856
Spamer, Otto, Leipsic. Encyclopedia, Nile literature, etc.	854	353a. Vereinigung der Kunstfreunde fuer Aintliche, Publicationen der Koenigl. Nationalen Galerie, Berlin. Colored print reproductions.	854
Spangenberg, E., Berlin. Stamped mg paper, congratulation cards, etc.	854	354. Verein zur Befoerderung des Gewerbfleisses, Berlin. Literature. Dept. G.	854
Speyer & Peters, Berlin. Scientific works.	854	355. Verlag der Fachzeitschrift der Industrie des Erzgebirges und des Vogtlandes, Dresden. Trade journal.	856
Springer, Julius, Berlin. Books.	Dept. G. 854	356. Verlagsanstalt und Druckerei, Hamburg. Printed works.	854
Trade works.	860	357. Verlagsanstalt fuer Kunst und Wissenschaft, Munich. Art, historical and illustrated works.	857
Stahl Sool and Eisenmoorbad, Pyramphlets.	Dept. A. 854	358. Verlag und Expedition der Internationalen Zeitschrift fuer Industrie und Handel, Berlin. "Der Weltmarkt."	856
Stankiewicz, P., Berlin. Scientific works.	854	358a. Voigt & Hochgesang, Inhaber R. Brunnée Goettingen. Microscopic designs for etching.	854
Trade works.	860	359. Voigt, Bernh. Fr., Weimar. Works on technology and industry.	854
Directory for exporters.	862	359a. Voigt, Karl, Berlin. Engravings.	854
Steinschneider, Julia, Berlin. Printed works.	854	360. Volkmar, F., Leipsic. Printed works.	854
Strassburger Druckerei und Verlagalt, Strassburg. Printed works.	854	361. Voss, Leop., Hamburg. Medical works.	854
Strass, Emil, Bonn. Illustrated works.	857	362. Wagner & Debes, Leipsic. Printed works.	854
Stroeser, Theo., Munich. Printed works.	854	362a. Wagner, R., Berlin. Etchings.	854
Stuchnitz, Bernhard, Leipsic. "Stuchnitz edition" of dictionaries for foreign languages.	854	363. Warschaner, Moritz, Berlin. Trade journal for manufacturers of musical instruments.	856
Strosch, H., Berlin. "Berliner Pflanz Illustrated journal.	857	364. Wasmuth, Ernst, Berlin. Works on architecture and art.	854
Stuebner, Leipsic. Books. Dept. G.	854	365. Weber, J. J., Leipsic. Illustrated journal.	857
Stavers, J., Mayence. International Gazette.	857	366. Weigel, Gustav, Leipsic. Printed works.	854
Stewendt, Ed., Breslau. Works on science.	854	367. Weike, R., Stassfurt. Pamphlets. Dept. G.	854
Stowitzach & Son, Berlin. Printed works.	854	368. Welter, H., Leipsic. Printed works.	854
Stuebner, Karl J., Strassburg. Scientific works.	854	369. Werner, Jul., Leipsic. Printed works.	854
Union Deutsche Verlagsgesellschaft, art. Printed works.	854	370. Werner, L., Munich. Works on architecture and art industry.	856
Uhagen & Klasing, Leipsic. History and juvenile books.	855	371. Westermann, Geo., Brunswick. Printed works.	854
Manual atlas.	864	372. Wiegandt & Grieben, Berlin. Pedagogical and theological works.	854
Uhlen, Franz, Berlin. Works on science, jurisprudence and genealogy.	854	373. Wigand, Otto, Leipsic. Medical and technical books and dictionaries.	854
Udenhoeck & Ruprecht, Goettingen. Religious works.	854	374. Wittwer, K., Stuttgart. Books.	854
Ullrich, Fr., & Son, Brunswick. Books.	854	375. Wolfrum, Fr., Duesseldorf. Works on architecture and art industry.	854
Ullrich, Fr., & Son, Brunswick. Chemical technical works.	856		
Ullrich, Fr., & Son, Brunswick. Band der Dampfkessel Uebersichts-Vereine, Breslau. Periodicals association.	856		
Ullrich, Fr., & Son, Brunswick. Ein Allgemeiner fuer Deutsche Kunst, Berlin. Printed works.	854		

## Instruments of Precision, Experiment, Research and Photography. Photographs.

Exhibit No.	Class'n No.
376. Wollermann, H., Brunswick. Theological and educational literature.	854
377. Woywod, Max, Breslau. Printed works.	854
378. Zahn & Baendel, Kirchhain, N. L. Printed works in foreign languages.	854
379. Zeitschrift fuer das Berg, Huetten und Salinenwesen, Berlin. Publications.	Dept. G 854
380. Zernin, Ed., Darmstadt. Printed works.	854
381. Zwissler, Julius, Wolfenbuettel. Printed works.	854

## GROUP 151.

382. Abendroth, F., Leipsic. Photographs.	871
383. Archenhold, F. S., Halensee, near Berlin. Astronomical-meteorological photographs.	871
384. Beckert, Max, Partenkirchen. Photographs.	871
385. Berger, Walter & Co., Goetzenbrueck, Lorraine. Eye-glasses.	874
385a. Betting, C. F., Wehlheiden. Analytical scales.	865
386. Bock Hilmar, Oberweissbach. Thermometers, artificial eyes, etc.	872
387. Bohne, Otto, Berlin. Thermometers and hygrometers.	Dept. J 872
387a. Bube, C., Hannover. Scales and measures.	865
388. Burckhardt, Arth., Glashuette, Saxony. Calculating machine.	Dept. J 865
389. Butenschoen, Georg, Bahrenfeldt, near Hamburg. Geodetic instruments.	Dept. J 867
390. Carette, Geo., & Co., Nuremberg. Stereoscopes, pantoscopes, etc.	874
391. Custodis, Alphons, Duissendorf. Dasy-meter, air-pyrometer, draft-meter.	Dept. F 872
392. Dieckmann, W., Calle, Hanover. Geographic musical clock.	Dept. J 873
393. Dietrich, Michael, Munich. Landscape photographs.	871
394. Dreesen, Wilh., Flensburg. Photographs, portraits and landscapes.	871
395. Dressler & Heinemann, Munich. Photographic apparatus and utensils.	Dept. D 871
396. Ernst, Carl, & Co., Berlin. Photograph mounts.	871
397. Goerz, C. P., Berlin. Photographic lenses.	871
398. Grossherzogli Saechsische Praefungsanstalt fuer Glasiinstrumente, Ilmenau. Thermometers, areometers.	Dept. J 872

Exhibit No.	Class'n No.
399. Haack, Max Adolph, Leipsic. Glasses and optical military goods.	Dept. H 874
400. Haff, Gebrueder, Pfraten, Bavaria. Cases of mathematical instruments.	876
401. Hanfstaengl, Franz, Munich. Photographs.	871
402. Hasemann, A., Berlin. Adjusting apparatus for scales, etc.	Dept. J 865
403. Herzheim Bros., Dueren. Photographic paper.	871
404. Hirschmann, W. A., Berlin. Electrotherapeutic apparatus.	Dept. J 875
405. Jung, R., Heidelberg. Scientific instruments.	865
406. Kehr, S., Nuremberg. Mathematical cases of instruments.	867
407. Kricheldorf, Julius, Berlin. Portraits taken by magnesium light.	871
408. Kromschroeder, G., Osnabrueck. Gas meters, etc.	Dept. J 865
409. Kruess, A., Hamburg. Spectral apparatus; photometric and projection apparatus.	Dept. J 870
410. Kuntzenmueller, W., Baden-Baden. Photographs.	871
411. Leisener, A., Waldenburg. Photographs burnt in on porcelain.	871
412. Lufft, G., Stuttgart. Metal barometers.	Dept. J 872
413. Merz, Jakob, Munich. Equatorial and astronomical object glasses.	Dept. J 866
414. Metallwaaren und Maassfabrik, Werdau, Saxony. Instruments of precision, water scales and measures.	Dept. H 865
415. Moeller, Oskar, Hamburg. Barometers and thermometers.	Dept. J 862
416. Niehs, W., Berlin. Thermometers and areometers.	Dept. J 862
417. Ott, Albert, Kempten. Surveying instruments.	Dept. J 867
418. Pessler, Adolph, Freiburg, Saxony. Levels for astronomical and mathematical instruments.	Dept. J 868
419. Photo-chemical Laboratory of the Royal Technical High School, Charlottenburg. Photo-chemical processes.	871
420. Physikalisch Technische Reichsanstalt, Berlin. Scientific instruments and apparatus.	Dept. J 865
421. Pinger, Th., Berlin. Photographic supplies.	871
422. Prager & Lojda, Berlin. Photographic cards and cartoons.	871
423. Reiniger, Gebhart & Schall, Erlangen. Electro-medical apparatus.	Dept. J 875

ments of Precision, Photography, Civil Engineering, Constructive Architecture.

Class'n No.	Exhibit No.	Class'n No.
tießer, Clemens, Munich. Cases of ematical instruments. Dept. J	448. Vogel, Ulrich, Berlin. Natural col- ored photo-prints.	871
chieck, F. W., Berlin. Microscopic ratus, etc. Dept. J	449. Voigtlaender & Son, Göttingen. a Terrestrial telescopes. Dept. J	886
chilling, Theodor, Nuremberg. of mathematical instruments. 867	b Photographic lenses. 871	
chmidt, Georg, Schmiedefeld. Ther- meters and other glass instruments. Dept. J	c Double field glasses. 874	
chmidt & Haensch, Berlin. Polari- apparatus, photometers, spectro- meters, etc. Dept. J	450. Wenzel, Georg, Hamburg. Instan- taneous photographs. 871	
choener, Georg, Nuremberg. Cases thematical instruments. Dept. H	451. Wimmel, P., & Co., Berlin. Photo- graphs. 871	
chott & Gen, Jena. Dept. J	452. Zeiss, Karl, Jena. Microscopes and micro-photographic apparatus. Dept. J	874
Tubes for thermometers, etc. 872		
Optical glasses. 874		
hubert, Max, Chemnitz, Saxony. neters. 867		
huetze & Noack, Hamburg. Photo- graphs. 871		
huler, H., Heilbronn. Photographic prints. 871		
hultze, G. A., Berlin. Thermome- ter-coal meters, areometers, etc. Dept. J		
hultze & Bartels, Ratzenow. Object glasses for telescopes, etc. Dept. J		
Field glasses. 874		
huster, Rudolf, Berlin. Photo- graphs. 871		
ndinger, C., & Co., Nachfol, Gies- esting scales, kathetometers, etc. Dept. J		
eg & Reuter, Homburg. Instru- etc., for the polarization of light, imeters, etc. Dept. J		
gemann, Berlin. Cameras. 871		
hneil, C. A., Sons, Munich. stronomical telescopes and ap- parances. Dept. J		
Photographic glasses, etc. 871		
hanus, H., Trier. Album com- views of Trier. 871		
kert, Paul, Fuerth. Compasses. Dept. J		
ffler, Wilk., Pforsheim. Opera graphs. 874		
mper & Co., Hamburg. Photo- graphs. 871		
ow, Emil, Berlin. Optical and nological instruments. Dept. J		
orpf, Ludwig, Stuttgart. tronomical instruments. Dept. J		
odetic and surveying instru- ments. 887		
ker, H., Altona. Views of Al- environs. 871		
	448. Vogel, Ulrich, Berlin. Natural col- ored photo-prints.	871
	449. Voigtlaender & Son, Göttingen. a Terrestrial telescopes. Dept. J	886
	b Photographic lenses. 871	
	c Double field glasses. 874	
	450. Wenzel, Georg, Hamburg. Instan- taneous photographs. 871	
	451. Wimmel, P., & Co., Berlin. Photo- graphs. 871	
	452. Zeiss, Karl, Jena. Microscopes and micro-photographic apparatus. Dept. J	874
	GROUP 152.	
	453. Aktien-Maschinenbau-Anstalt, vorm Venuleth & Ellenberger, Darmstadt. Model of an alcohol distillery, drawings, etc. Dept. G	889
	454. Bachs, C., Stuttgart. Publications. Dept. G	844
	455. Barth, Conrad, & Co., Munich. Facade. 889	
	456. Blumberg & Schreiber, Berlin. De- sign of a circus building for Berlin. 889	
	457. Chief Mayor's Office, Leipsic. Draw- ings, plants and machinery of the city water-works. Dept. G	881
	458. City Council, Karlsruhe. Drawing of the reservoir of the Karlsruhe water- works. Dept. G	881
	459. Deutsche Continental Gas Gesella- schaft, Dessau. Drawings of gas-works and electric plants. Dept. G	889
	460. Dollinger, C., Stuttgart. Renova- tion of the facade of the City hall at Tue- bingen. Dept. K	889
	461. Durm, Josef, Karlsruhe. Drawings of the palaces and the churches of Ger- many. Dept. K	889
	462. Ebhardt & von Holst, Berlin. Draw- ings of residences of the vicinity of Ber- lin. Dept. K	889
	463. Eichner, W., Leipsic. Roofs of wicker-work. Dept. G	889
	464. Ende & Boeckmann, Berlin. Draw- ings of public institutions. Dept. K	889
	465. Generaldirektion der Kgl. Bayeris- chen Staatseisenbahnen, Munich. Photo- graphs of river bridges, and a waiting- room in the Central passenger depot at Munich. Dept. G	889
	466. Grossh Hessisches Staatz-bezw. Finanzministerium, Darmstadt. Plans for the construction of a solid street bridge across the Rhine near Mainz. Dept. G	880

## Civil Engineering, Public Works, Constructive Architecture.

- | Exhibit No.   | Class'n No. | Exhibit No.   | Class'n No. |
|---|-------------|---|-------------|
| 467. Grossherzogliche Badische Oberdirektion des Wasser und Straussenbaus, Karlsruhe. Drawings of the bridge crossing the Neckar at Mannheim. Dept. G 880   |             | 483. Kgl. Generaldirektion der Bayerischen Staatseisen Bahnen, Munich. Drawing of the service building of the Central railroad depot in Munich. 889   |             |
| 468. Gute Hoffnungshuette, Aktren Verein fuer Bergban und Huettenbetrieb, Oberhausen. Iron construction for the Krupp pavilion and photographs of former works. Dept. G 889   |             | 484. Kgl. Mech. Techn. Versuchsanstalt, Berlin-Charlottenburg. Plan and interior views of the assay localities and workshops, etc. Dept. G 880  |             |
| 469. Haller, M., Hamburg. Drawings of the office of the Hamburg-American Packet Co., at Hamburg and of the Dovenhof in Hamburg. Dept. K 889   |             | 485. Kgl. Preussisches Ministerium der Oeffentlichen Arbeiten, Berlin. Dept. G 880<br>a Plans, drawings, photographs and printed works of Prussian hydraulic architecture. 881<br>b Drawings of public buildings. 889 |             |
| 470. Hanberisser, G., Munich. Drawings of the City Hall at Wiesbaden, etc. Dept. K 889  |             | 486. Kgl. Saechsisches Finanzministerium, Dresden. Models, drawings and photographs of bridges, etc. Dept. G 881  |             |
| 471. Haniel & Lug, Duesseldorf. Drawings of hydraulic apparatus of the ports of Hamburg and Venice. Dept. G 881   |             | 487. Klingenberg, E., Treseburg. Designs for the enlargement of the cathedral and museums in Berlin. 889  |             |
| 472. Hannover'sche Maschinenbau Akt. Gesellschaft vormu Georg Egestorff, Linden-Hanover. Drawing of water works of Berlin and Rotterdam. Dept. G 881  |             | 488. Kramer, Th. von, Nuremberg. Drawing of an Industrial museum in Nuremberg. Dept. K 880  |             |
| 473. Heim, L., Berlin. Drawings of Berlin hotels. Dept. K 880   |             | 489. Kreyssig, Ed., Mainz. Drawing of the city hall of Mainz. 889   |             |
| 474. Heinveetter, Hans, Munich. Drawings of Exposition buildings. Dept. K 889   |             | 490. Kuemmel, W., Hamburg. Dept. G 881<br>a Drawing of Altona water works. 881<br>b Drawing of Guagaquil gas works. 889   |             |
| 475. Helios Aktiengesellschaft fuer Elektrisches Licht und Telegraphen Bau, Cologne. Drawings and photographs of electric plants at Cologne and Amsterdam. Dept. G 889  |             | 491. Lambert & Stahl, Stuttgart. Drawing of a National museum in Berne. Dept. K 889   |             |
| 476. Hofmann, K., Worms. Drawing of a water tower and storage house in Worms. Dept. K 881   |             | 492. Licht, H., Leipsic. Designs of the city hall in Leipsic, police headquarters and enlargement of the museum. Dept. K 889  |             |
| 477. Hoven, Fr. von, Frankfort-on-the-Main. Drawings of the Essighaus at Frankfort and a residence at Koenigstein. Dept. K 880  |             | 493. Linse, Ed., Aachen. Designs of residences, and interior decoration. Dept. K 880  |             |
| 479. Humboldt, Maschinenbau Anstalt, Kalk near Cologne. Drawings and models of plants for the preparation of ore, coal, etc. Dept. G 885  |             | 494. Luther, G., Brunswick. Display of the work of removing rocks on the lower Danube; harbor plants at La Plata and Odessa. Dept. G 881  |             |
| 480. Kaiserliche Kanal-Kommission, Kiel. Relief plan of the North and Baltic Sea canal with environs. Dept. G 882   |             | 495. March, D., Charlottenburg near Berlin. Drawings of the Municipal theatre and a business-house in Worms. Dept. K 889  |             |
| 481. Kayser & von Grossheim, Berlin. Drawings of Leipsic buildings. Dept. K 889   |             | 496. Menck & Hamus, Altona-Hamburg. Drawings of engines for the construction of the harbor at Santos. Dept. G 881   |             |
| 482. Kgl. Bayerisches Staatsministerium des juneren oberste Baubehoerde, Munich. Dept. G 889<br>a Photographs of mountain roads, etc. 889<br>b Photographs of stone and iron bridges. 880<br>c Works relating to water constructions. 881 |             | 497. Meyer, M. W., Berlin. Observatory hall for physical experiments and astronomical theatre. 880  |             |
|   |             | 498. Municipal Administration, Frankfort-on-the-Main. Drawing of the opera house, Frankfort. 889  |             |
|   |             | 499. Municipality, Altona. Drawings of the machinery and filter plant of the Altona water works. Dept. G 881  |             |

## Civil Engineering, Public Works, Constructive Architecture.

- | Class No.                            | Exhibit No.                                   | Class No. |
|--------------------------------------|---|-----------|
| municipality, Darmstadt. Dept. G     | 518. Schmidt, A., Munich. Drawings of         |           |
| Drawings and photographs of the      | Paechl-castle on Lake Ammer and a new         |           |
| water works. 881                     | synagogue and Protestant church, Munich.      | 889       |
| Drawings and plans of the electric-  |   |           |
| ity works. 889                       | 519. Schmidt, F. H., Altona. Drawings         |           |
| municipality, Frankfort-on-the-Main. | and models of iron sheet piling and harbor    |           |
| and drawings of water works and      | construction work. Dept. G                    | 881       |
| ce. Dept. G                          | 520. Schmitz, Franz, Strassburg. Draw-        |           |
| municipality, Koenigsberg. Dept. G   | ing of the renovation of the Strassburg       |           |
| Drawings of the municipal bridges.   | cathedral. Dept. K                            | 889       |
| 880                                  | 521. Schreiterer & Schreiber, Cologne.        |           |
| Drawings of the municipal electric   | Drawing of the city hall vault in Halle.      |           |
| works. 889                           | Dept. K                                       | 889       |
| municipality, Munich. Plans and      | 522. Schulze, Fr., Berlin. Model of the       |           |
| of the drainage system and water-    | buildings of the Prussian Diet in Berlin.     |           |
| Dept. G                              | Dept. K                                       | 889       |
| municipality, Worms. Model of a      | 523. Schwarz, G., Hildesheim. Drawing         |           |
| ging apparatus and models and        | of the renovation of the city hall in Hildes- |           |
| the municipal filter plants.         | heim. Dept. K                                 | 889       |
| Dept. G                              | 524. Seeling, Heinrich, Berlin. Designs       |           |
| kelmann, Skjold, Stuttgart.          | for a theatre in Stockholm, university        |           |
| gs of the industrial museum (Stutt-  | library in Leipsic and mineral drinking       |           |
| tional library (Strassburg), etc.    | hall in Wiesbaden. Dept. K                    | 889       |
| Dept. K                              | 525. Senat, Bremen. Drawings of im-           |           |
| er & Von Kauffmann, Frankfort-       | provements on the lower Weser, free           |           |
| lain. Drawings of Pluegenberg        | port of Bremen and harbor plant in Bre-       |           |
| near Eisenach, and a bank build-     | menhaven. Dept. G                             | 881       |
| nkfort. Dept. K                      | 526. Solf, Berlin. Drawing of a country       |           |
| kirch, Fr., Bremen. Drawings,        | house near Berlin. Dept. K                    | 889       |
| aphs and models of cranes, pump-     | 526a. Stueckenholz, Ludwig, Wetter. Pho-      |           |
| ts, etc. Dept. G                     | tographs and drawings of harbor cranes.       |           |
| meister, A., Karlsruhe. Draw-        | Dept. G                                       | 881       |
| ltenstein Castle, near Liebenstein.  | 527. Thiede, Aug., Berlin. Design of a        |           |
| Dept. K                              | museum for classic art. 889                   |           |
| n, J., Berlin. Drawings of the       | 528. Thost, Otto, Zwickau. Model of a         |           |
| tion Church, Wiesbaden, and the      | steam boiler with smoke consumer.             |           |
| Church, Berlin. Dept. K              | Dept. G                                       | 884       |
| re, T. G., Bremen. Drawing           | 529. Tueshaus & von Abbema, Duessel-          |           |
| enlargement of the city hall in      | dorf. Drawing of Drachenburg castle,          |           |
| Dept. K                              | near Koenigswinter. Dept. K                   | 889       |
| ka, Anton, Munich. Pillars. 889      | 530. Von Holst, M., Berlin. Drawing of        |           |
| tz, C., Berlin. Pavilion of the      | residence of Von Holst in Neubabelsberg.      |           |
| viticultural exhibit. Dept. B        | 889   |           |
| nsamt des Innern, Berlin. Mod-       | 531. Von Weltzien, V., Wagner, H., and        |           |
| Imperial Patent office, Parlia-      | Marx, Erwin, Darmstadt. Drawings of           |           |
| ment and the insurance office of     | buildings of the Technical High School,       |           |
| re. Dept. K                          | Darmstadt. Dept. K                            | 889       |
| nger, Aug., & Co., Augsburg.         | 532. Walther, C., Nuremberg. Drawing          |           |
| s and diagrams of the pneumatic      | of Tucher's brewery, Berlin, and facade       |           |
| Offenbach-on-the-Main.               | of "Rudolsbad," Rudolstadt.                   |           |
| Dept. G                              | Dept. K                                       | 889       |
| bach, A., Leipsic. Drawing           | 533. Warth, Eggert, Isseiber, Salomon,        |           |
| iversity library, Leipsic. 889       | Jacobsthal, and Brion, Strassburg. Draw-      |           |
| fer & Hartung, Charlottenburg.       | ings of renovations for the University at     |           |
| for a Catholic church at Dues-       | Strassburg (Alsace). Dept. K                  | 889       |
| college at Wannsee and suburban      | 534. Welb, Frankfort-on-the-Main. De-         |           |
| of Berlin. Dept. K                   | sign for the Frankfort bank. Dept. K          | 889       |
| r, Georg F., Altona. Plans of        | 535. Zutze, Otto, Aachen. Drawings            |           |
| orks at Harburg. Dept. G             | and photographs of various plants.            | 885       |

## Government, Associations, Religious Organizations, Publications, Music, Etc.

## GROUP 153.

- | Exhibit No. |   | Class'n No. |
|-------------|---|-------------|
| 536.        | German Imperial Postoffice, Berlin. Models of postoffice buildings and interior arrangement of a postoffice and telegraph bureau, mail cars and the pneumatic system; German post stamp collection, telephone apparatus, etc. | 898         |
| 537.        | Jeserich, Paul, Berlin. Photographs for the investigation of criminal cases. German Pavilion  | 894         |

## GROUP 156.

- |      |  |             |
|------|--|-------------|
| 538. | Kaufmaennischer und Gewerblicher Huelfsverein fuer Weibliche Angestellte, Berlin. Industrial and educational pamphlet. | 918         |
| 539. | Reichs-Versicherungsamt, Berlin. Synopsis of the statute relative to the insurance of workmen.                         | Dept. F 918 |

## GROUP 157.

- |      |  |             |
|------|--|-------------|
| 540. | Abesser & Kroeger, Berlin. Synagogue in Glogan.  | Dept. K 919 |
| 541. | Behr, Heinrich, Leipsic. Reliefs representing religious subjects; altars.                                  | 919         |
| 542. | Charitable Association in Germany. Pamphlet relative to charity in Germany.                                | 925         |
| 543. | Ehui, Geo., Stuttgart. Two lapis-lazuli pillars and holy water font.                                       | 919         |
| 544. | Hahl, Christoph, Hanover. Drawings of cathedrals of Bremen.  | Dept. K 919 |
| 545. | Hase, C. W., Hanover. Drawing of a Church at Georgs, Marienhaette.   | Dept. K 919 |
| 546. | Levy, L., Karlsruhe. Drawing of a synagogue in Kaiserslautern.   | Dept. K 919 |
| 547. | Meckel, Frankfort-on-the-Main. Drawing of Pilgrim church at St. Rochus in Bingen.                          | Dept. K 919 |
| 548. | Mengelberg, Wilhelm, Cologne. Model of northern portal of the cathedral at Cologne.                        | Dept. K 919 |
| 549. | Pfeilstuecker, Fr., Berlin. Illustrated Bible.   | 922         |
| 550. | Salzmann, Bremen. Drawing of reconstruction of the cathedral at Bremen.                                    | Dept. K 919 |
| 551. | Schmidt, H. Freiherr von, Munich. Drawings of churches in Darmstadt and Oppenheim and city hall in Passau. | Dept. K 919 |
| 552. | Schwechten, Franz, Berlin. Model of the Emperor Wilhelm Memorial church, Berlin.                           | Dept. K 919 |
| 553. | Strigler, Ph., Frankfort-on-the-Main. Drawing of Catholic parish church, Mainz.                            | Dept. K 919 |

- | Exhibit No. |   | Class'n No. |
|-------------|---|-------------|
| 554.        | Thiersch, A., Munich. Drawing of a Catholic parish church, Schwabing, near Munich.  | Dept. K 919 |
| 555.        | Thun, Josef, Kevelar, Rhine province. Prayer-books in all languages.                | 922         |
| 556.        | Tornow, P., Metz. Drawing of reconstruction of the cathedral at Metz.               | Dept. K 919 |
| 557.        | Von Cansteinsche Bibelanstalt, Halle. Bibles.                                       | 923         |
| 558.        | Weinzierl Franz Xaver, Munich. Missals and prayer-books.                            | 922         |
| 559.        | Werner, Frz. P., Munich. Church ornaments.  | 919         |
| 560.        | Winkler, C., Colmar. Drawing of renovation of St: Theobaldus church, Tham (Alsace). | Dept. K 919 |

## GROUP 158.

- |      |  |            |
|------|--|------------|
| 561. | Arati & Co., Berlin. Mechanical music works.   | 927        |
| 562. | Arnold, Wilh., Aschaffenburg. Zithers.   | 928        |
| 563. | Belaieff, M. P., Leipsic. Music.   | 926        |
| 564. | Bochumer Verein fuer Berzbes und Gusstahlfabrikation, Bochum. Chimes of cast steel.            | 927        |
| 565. | Brachhausen & Riessner, Leipsic. Musical clocks and music boxes.                               | 927        |
| 566. | Breitkopf & Haertel, Leipsic. Musical works.   | 929        |
| 567. | Cocchi, Bracigalupo & Graffigna, Berlin. Hand organs.  | 926        |
| 568. | Dietrich, Wilh., Leipsic. Music.   | 926        |
| 569. | Ellersieck, Alf., Rostock. Strings.  | 926        |
| 570. | Fabrik Lochmann's cher Musikwerke Aktiengesellschaft, Leipsic. Musical clock works.            | 923        |
| 571. | Fuchs, Joh. Wolfg, Nuremberg. Strings for instruments.   | 928        |
| 572. | Grotliam, Hallfrisch, Schalz, Th. Steinweg Nachf, Brunswick. Pianos.                           | 929        |
| 573. | Haslwanter, Joh., Munich. Guitars, zithers, etc.   | 928        |
| 574. | Hauschulz, Julius, Berlin. Piano.  | 929        |
| 575. | Heilbrunn, K., Sons, Berlin. Drums and tambourines.  | 927        |
| 576. | Heinrichshofen's Verlag, Magdeburg. Music.   | 926        |
| 577. | Hohner, Mathias, Trossingen. Mouth harmonicas.   | 926        |
| 578. | Hupfeld, Ludw., Leipsic. a Mechanical cymbal. b Mechanical piano, apparatus for piano playing. | 927<br>930 |
| 579. | Imhof & Mukle, Vohrenbach. Orchestrion.  | 926        |
| 580. | Kistner, Fr., Leipsic. Music.  | 926        |

## Music and Musical Instruments.

	Class'n No.	Exhibit No.		Class'n No.
sch, Andreas, Trossingen.	Mouth	600.	Rene & Co., Stettin.	Concert piano.
nicas.	935			930
erner, Guenther, Gera.	Accor-	601.	Rittershausen, Emil, Berlin.	Flutes.
	935			931
uspe, C., Erfurt.		602.	Roensch, Carl, Dresden.	Pianos.
Flutes.	931			930
Clarionets, oboes, etc.	932	603.	Rohlfing Brothers, Osnabrueck.	
nge, F., Chemnitz.	Concertinas		Pianos.	930
ndionions.	935	604.	Scheel, Carl, Cassel.	Pianos.
olffe, Henry, Brunswick.	Music.	605.	Schmidt, Arthur P., Leipsic.	Music.
	926			928
chmann, E. G., & Co., Leipsic.		606.	Schmidt, C. F., Heilbronn.	Music.
ions with chimes.	935			926
ewenthal, L., Berlin.	Cellos, vio-	607.	Schuberth, Fritz, jun., Leipsic.	Mu-
lins, etc.	929		sic.	926
ier, Aloys, Fulda.	Music.	608.	Schuetzhold & Werner, Leipsic.	
ier, Franz, Freiburg, Baden.			Musical clock works.	929
tional postal card containing the		609.	Schulze, Carl, Berlin.	Two string
or several pieces.	926		quartette, one mandolin quartette, etc.	929
ssner, Christian, & Co., Tros-		610.	Schwechten, G., Berlin.	Pianos.
urt.	Mouth harmonicas.	611.	Seiler, Ed., Liegnitz.	Pianos.
	935	612.	Sickelka, C. B., Hamburg.	Accor-
lenhauer, J., & Sons, Fulda.			dions.	935
lutes.	931	613.	Spindler, Geo., Sonneberg.	Masks.
larionets, etc.	932			938
mann, F. L., Hamburg.	Pianos.	614.	Stahl und Drahtwerk Roeslau, Roes-	
	930		lau.	Piano strings, and wire netting for
pert, J. C., Bamberg.	Pianinos.		the back.	930
	930	615.	Stelzner, Alfred, Dresden.	Violins,
el, Louis, Hanover.	Music.		violas, violoncellos, etc.	929
, Louis, Duesseldorf.	Quartet of	616.	Thuermer, Ferd., Meissen.	Piano.
truments.	929			930
rs, C. F., Leipsic.	Music.	617.	Thumhart, Jos., Munich.	Zither and
	926		mandolins.	928
lmann, Moritz, Nuremberg.		618.	Tiefenbrunner, Georg, Munich.	
el strings for pianos.	930		Stringed instruments.	928-930
ials, M. F., & Co., Hamburg.		619.	Weiss, Ch., Trossing-Wurt.	Mouth
upright and square pianos.	930		harmonicas.	935
essly for extreme climates. Up-		620.	Welte, M., & Sons, Freiburg.	Or-
os specially made in parts for easy			chestrions.	935
Established in 1832.				
ier, D., Leipsic.	Music.			
	926			

## GREAT BRITAIN.

## LOCATION—GALLERY B.

## Hygiene, Surgical Instruments, Education, Literature.

## GROUP 147.

- | Exhibit No. |   | Class'n No. |
|-------------|---|-------------|
| 2.          | Commissioners of 'Sewers of the City of London. Maps, plans, etc., showing method of street cleaning, etc.; models showing construction of subways under Holborn viaduct. | 829         |
| 3.          | Cremation Society of England, London. Views of crematorium at Woking.   | 829         |
| 4.          | Ewing, Robert, London. Stoneware sewers and drains.   | 829         |
| 4a.         | Gill, L. Upcott, London. Publications on health subjects.   | E, T-2 830  |
| 5.          | Golf Company, St. Andrews, Scotland. Golf clubs and balls.  | 825         |
| 6.          | International Water & Sewage Purification Co., Ltd., London. Plans and models of filtering apparatus for public water supplies.   | 829         |
| 6a.         | Macmillan & Co., London. Publications on sanitary subjects.   | E, T-2 830  |
| 6b.         | McNiven & Wallace, Edinburgh. Lectures on health subjects.  | E, T-2 830  |
| 6c.         | National Health Association, London. Forms and publications on health subjects.   | E, T-2 830  |
| 6d.         | Religious Tract Society, London. Publications on health subjects.   | E, T-2 830  |
| 6e.         | Routledge, Geo., & Sons, Ltd., London. Public health (London) act.  | E, T-2 830  |
| 6f.         | Society for the Promotion of Christian Knowledge, London. Publications on health subjects. Dept. M, Sec. E.   | T-2 830     |
| 6g.         | Sonnenschein & Co., London. Publications on vital statistics.   | E, T-2 830  |
| 6h.         | Stanford, E., London. Publications on vital statistics.   | E, T-2 830  |
| 6i.         | Whittaker & Co., London. Publications on health subjects.   | E, T-2 830  |

## GROUP 148.

- |    |   |     |
|----|---|-----|
| 7. | Ash, Claudius, & Sons, Ltd., London. Electric lamp for dentists' use. | 839 |
| 8. | Cruickshank, Arthur B., London. Syringes.                             | 837 |
| 9. | English Dental Specialty Company, Ltd., New Barnet. Dental apparatus. | 839 |

## Exhibit No.

- |     |  |     |
|-----|--|-----|
| 10. | Fournet, A., London. Ophthalmic refractometer.                                       | 834 |
| 11. | St. John Ambulance Association, London. Litter and stretcher and ambulance material. | 834 |

## GROUP 149.

- |      |  |     |
|------|--|-----|
| 13.  | British Government, Science & Art Department, London. Examples of drawing, painting, modeling and design executed by art students in the National Art Training Schools, South Kensington, London, and in other schools of art in the United Kingdom. | 834 |
| 14.  | Choat, Frank, Sandringham. Chamois copper tray.  | 834 |
| 15.  | Cunningham, D. J., Dublin. Models showing topographical relations of the brain in man and the apes.  | 834 |
| 17.  | Oxford University Extension, Oxford. Books, papers, photographs and drawings illustrative of the history and method of the University extension system.  | 834 |
| 17a. | Royal Holloway College, Egham. Photographs of college.   | 834 |
| 18.  | School Board for London, London. Specimens of work done by pupils in the schools, and of school materials and appliances, models, plans and elevations, regulations and reports.   | 834 |
| 19.  | Whitechapel Craft School, London. Drawings and models illustrating course of manual instruction for teachers and scholars.   | 834 |

## GROUP 150.

- |      |   |     |
|------|---|-----|
| 20.  | Art Union of London, London. Works of art open to selection by subscribers. | 834 |
| 21.  | Biggs, F. J., London. Prices current.                                       | 834 |
| 23.  | Bushill, T. W., Brantwood. Book on the labor question.                      | 834 |
| 24.  | Clifford, C. E., & Co., London. Engravings, etchings and mezzotints.        | 834 |
| 24a. | Cowham, Joseph H., Westminster Training College, London. Educational books. | 835 |

## Literature, Instruments of Precision, Photography.

Class'n  
No.

- Upton, Leo., London. Genealogical showing the English system of ry. 854
- Decorative Art Journals Co., Ltd., London. "Journal of Decorative Art" technical publications, sketches and s. 856
- Upton & Co., London. Engravings of medals by George Tinworth. 854
- Engineering, Ltd., London. Set of plates, framed engravings and album of the Columbian Exposition. 854
- Wheeler, London. Engravings and designs of ships, locomotives, etc. 854
- Art Society, London. Reproductions of pictures in mezzotint, etching and photo-engraving. 854
- Wheeler, R. A., Sheffield. Book on the question. 854
- Wheeler & Co., Ltd., London. Colorized, photomechanical blocks in half wood engravings and drawings. 854
- Wheeler & Son, London. Books. 854
- Wheeler, W. & A. K., Edinburgh. Maps, atlases, globes, etc. 854
- Wheeler & Co., Ltd., London. Maps and illustrations. 855
- Wheeler Color Printing Company, London. Specimens of color printing on the "Million" newspaper. 854
- Wheeler Mail, London. Copies of material. 854
- Wheeler, George E., Rugby. Printed material. 854
- Wheeler & Co., London. Publications material. 854
- Wheeler, David F., London. Books. 854
- Wheeler, Henry, London. Collection of plates. 854
- Wheeler, May French, London. Books of novels, translations. 854
- Wheeler, C., & Son, London. Maps of the world. 854
- Wheeler, Arthur, & Sons, London. Engravings and etchings. 854
- Wheeler, J., London. Books on horology. 854
- Wheeler, Raphael, & Sons, London. Printed books, engravings, etc. 854
- Wheeler, J. S., & Co., Ltd., London. Engravings and photogravures on art journals. 854
- Wheeler & Sons, Ltd., London. Plates of printing from steel and plates. 854
- Wheeler, Joseph, London. Books. 854

## GROUP 151.

Class'n  
No.

- Exhibit No. 46. Baker, A. P., Manchester. Photographs of the Royal Jubilee Exhibition, Manchester, 1887, Paris Exhibition, 1889 and Jamaica Exhibition, 1891. 871
47. Beck, R. & J., London. a Photographic apparatus. 871 b Microscopical optical apparatus. 874
48. Billington, H., & Co., Angatella, Queensland. Photographs of Queensland sheep and cattle stations. 871
49. Brown Bros., Bristol. Level and gradient indicator. 868
50. Burroughs, Wellcome & Co., London. Photographic chemicals. 871 "Tabloids" of photographic chemicals for developing (including accelerators and restrainers) and for fixing and toning. Particularly useful for travelers on account of their great convenience, portability and accuracy of weight. New York office, 347 Fifth avenue.
51. Byrne, W. J., Richmond. Photographic portraits. 871
52. Cameron & Smith, London. Photographs of Lord Tennyson and his friends. 871
53. Common, A. A., London. Parabolic mirror in cell for Newtonian telescope. 866
54. Darton, F., & Co., London. Meteorological instruments. 872
55. Dore, J., Sandown. Photographic lantern transparencies. 871
56. Downer, Fredk., Watford. Photographs. 871
- 56a. Esmail Enamel Co., London. Monochrome and painted photographic miniatures on enamel. 871
57. Flather, Henry, London. Carbon enlargements and direct photographs. 871
59. Goldsmiths' & Silversmiths' Co., London. Ship's chronometers. 873
61. Lafayette, J., Dublin. Photographs printed in platinum and carbon. 871
62. Lawrence, William, Dublin. Photographic views of scenery and antiquities of Ireland. 871
63. Lemere, Bedford, & Co., London. Architectural photographs of modern English mansions. 871
64. Mendelssohn, H. S., London. Portraits. 871
65. Oeffelein & Co., London. Burnt-in photographs on glass, china and enamel. 871
67. Riley Bros., Bradford. Optical lanterns and accessories. 874

## Photography, Civil Engineering, Government and Law, Commerce, Knowledge.

Exhibit No.	Class'n No.
68. Roche, Charlotte, London. Photographs.	871
69. Ross & Co., London.	
<i>a</i> Photographic lenses, cameras and apparatus.	871
<i>b</i> Naval and sporting telescopes, field and opera glasses, microscopes and apparatus.	874
70. Royal British Commission. Loan collection of photographs.	871
71. Sawyer, Lyddell, Newcastle-on-Tyne. Photographs.	871
72. Symonds & Co., Portsmouth. Photographs of ships of the British navy and yacht racing scenes.	871
73. Van der Weyde, Henry, London. Portraits taken by electric light, and refracting instrument.	871
75. Warneuke, W. M., Glasgow. Photographs.	871
76. Watson, W., & Sons, London.	
<i>a</i> Mathematical instruments.	865
<i>b</i> Astronomical and terrestrial telescopes.	866
<i>c</i> Surveying and engineering instruments.	867
<i>d</i> Photographic lenses and cameras.	871
<i>e</i> Barometers and thermometers.	872
<i>f</i> Microscopes and microscopical apparatus and accessories.	875
77. Werner, Alfred, & Son, Dublin. Photographic portraits.	871
78. Wilkinson, Henry D., Cardiff. Instrument to indicate the action of valves in steam and other engines.	865
79. Williams, W. Clement, Yorkshire. Photographs.	871
80. Window & Grove, London. Photographs.	871
81. Winter, W. W., Derby. Photograph studies.	871
82. York & Son, London. Photographic optical lantern-slides.	871

## GROUP 152.

83. Allin, Samuel S., London. Pneumatic door closer.	889
84. British Government, Geological Survey of the United Kingdom, London. Maps of Isle of Wight, environs of London, part of North Wales, part of the Yorkshire coal-fields, North of Ireland and South of Scotland. Index maps of neighborhood of London and lower part of Thames basin and part of Wales. General memoirs on the geology and paleontology of Great Britain.	877

Exhibit No.	Class'n No.
85. British Government, Ordnance Survey of Great Britain and Ireland, Southampton. Outline and hill maps of parts of Scotland and Ireland; other maps and plans.	877
86. Cheesewright, Frederick H., London. Model of system of pier and break-water construction.	881
87. Culpin, Arthur, Worcester. Reversible and removable window sashes.	889
88. Ebner, Joseph F., London. System of attaching parquet flooring to a concrete foundation.	889
89. Etefas Window Co., London. Sliding windows.	889
90. Sim, John, Montrose. Windows.	889
90a. Slothert & Pitt, Ltd., Bath. Diagrams of machinery for harbor and sea works.	881

## GROUP 153.

92. British North Borneo Co., London. Stamps and post cards.	893
92a. Buhl, Theodore, & Co., London. Postage stamps.	893
94. Gibbons, Stanley, Ltd., London. Stamps, stamp-albums, etc.	893
94a. Healey, Edwin, & Co., London. Postage stamps.	893
95. Hinton, Thomas H., London. Postage stamps, envelopes and cards issued in the British empire from 1840 to 1893.	893
96. Perkins, Bacon & Co., Ltd., London. Specimens of postage stamps.	893

## GROUP 154.

97. British North Borneo Co., London.	
<i>a</i> Map and handbook of British North Borneo.	895
<i>b</i> Coins.	897
98. Drew & Cadman, London. Show cases, counters and window fittings.	896
99. Perkins, Bacon & Co., Ltd., London. Specimens of bank notes.	897

## GROUP 155.

100. Haldnryt Society, London. Publications from 1848 to 1892.	904
101. Marine Biological Ass'n of the United Kingdom, London. Treatise on the common sole; view of the laboratory and account of the association.	904
101a. Palestine Exploration Fund, London. Map, ancient pottery, etc.	904
101b. Rosse, Earl of, Parsonstown. Drawings of the Milky Way, made at Lord Rosse's observatory by Dr. Boeddecker.	904

## Associations, Statistics and Publications, Music, Miscellaneous.

**Royal Astronomical Society, London.** 908  
 onomical photographs.  
**Royal Geographical Society, London.** 908  
 ications illustrating the advancement  
 ographical science; a map showing  
 ish discovery in North America. 907  
**Royal Microscopical Society, London.** 908  
 -micrographs.  
**Vegetarian Federal Union, London.** 908  
 cations, diagrams and specimens.

## GROUP 156.

**Radford Coffee Tavern Co., Ltd.,**  
 ord. Views of the principal estab-  
 ment and account of the work. 918  
**Charities, Correction and Philan-  
 y, Bureau of. (English group.)**  
 s, samples of work, official statistics,  
 s and literature. 918  
**Metropolitan Gardens Association,**  
 in. Maps showing work done by  
 sociation. 918

## GROUP 157.

**Religious Tract Society, London.**  
 periodicals and Scripture cartoons. 919  
**Sunday School Union, London.** Sun-  
 school teachers' text-books and req- 928

## GROUP 158.

**Wagner & Co., London.** Printed mu-  
 ks, portraits of great composers. 937  
**Wason, F., & Co., London.**  
 rnet trumpets, doblophones, du-  
 ex instruments, aluminum, tortoise  
 ell and celluloid curios. 926  
 urns, tambourines, etc. 927  
 "prototype" method of manufacture  
 band instruments. 930  
 lindrical flutes. 931  
 cophones, pedal contrabass clari-  
 ts. 932  
 le trombones, duty bugles, slide  
 mpets, etc. 933  
 mpensator cornets, tubas, trom-  
 ies. 934  
 rnophones and compensator  
 ves. 935  
 in "Prototype" instruments have  
 ded 31 highest honors. Grand di-

**Exhibit**  
 No. diploma Philadelphia, '76; 2 gold medals Paris,  
 '89. Eatest inventions: Victory compensa-  
 tor valves for rectifying lower register of all  
 instruments; the pedal clarinet to complete  
 the Reed family, the only new orchestral  
 creation for over 50 years; the "Cornophone"  
 family; the Cor-Tuba or bass French horn.  
 Sole agent for U. S., Carl Fischer, 6, 4th  
 Ave., New York. Manufactories, London  
 and Paris.

**110. Bishop, E., & Sons, London.** Upright  
 pianofortes. 930

**111. Erard, S. & P., London, England.**  
 a Models of harps; the harp presented  
 by the Welsh people to H. R. H.  
 the Prince of Wales, etc. 930  
 b Music stools, etc. 936

Sebastian Erard patented the first double  
 action harp in 1810; it was only a question of  
 a short time before all makers of harps on  
 the old system, finding their occupation  
 gone, left Erard in sole possession of the  
 field. At Sebastian Erard's death the work  
 was taken up by his nephew, Pierre Erard,  
 to whom is due the still later improvements  
 in the Gothic harps. For nearly one hun-  
 dred years Erards have been and are now  
 the most celebrated harp makers of the  
 world. Lyon, Potter & Co., agents, 174  
 Wabash Ave., Chicago.

**112. Higham, Joseph, Manchester.** Mu-  
 sical instruments.

**112a. Miller & Thompson, New Zealand.**  
 Pianos. 930

**113. Rudall, Carte & Co., London.** Mili-  
 tary and orchestral instruments.

**Exhibits Classed in Other Departments  
 but Installed in This.**

## DEPARTMENT F.

## GROUP 69.

**114. Joy, David, London.** Models of valve  
 gears. 422

## GROUP 74.

**115. Castana, F. W., & Co., London.**  
 Specimen books of printing types. 467

## ITALY.

## LOCATION—GALLERY D.

## Hygiene, Surgical Instruments, Education, Literature.

Exhibit No.	GROUP 147.	Class'n No.	Exhibit No.	Class'n No.
1.	Di Giovanni, Ferdinando, Naples. Closet apparatus.	829	16a.	Bullo, Antonio, Padua. Books. 854
2.	Magnani, Gustavo, Mirandola. Sulphurizing and purifying machines.	829	17.	Bullo, G., Venice. Atlas. 855
GROUP 148.			18.	Cassa, Risparmio, Rimini. Banking laws. 854
3.	Bergamini, Enrico, Bologna. Surgical instruments.	837	19.	Cisogh, Gioacchino, Rome. Monographic works. 854
3a.	Bossi, L. M., Genoa. Surgical instruments.	837	20.	Collegio Parrucchieri, Rome. College regulations and laws. 854
4.	Brunetti, Lodovico, Padua. Anatomical appliances.	838	21.	Colucci, Giuseppe, Rome. Books. 854
5.	Olivieri, L., Genoa. Surgical instruments.	837	22.	Cosulich, Cleto, Syracuse. French manual. 855
GROUP 149.			23.	Cuomo, Giuseppe, Santimo. School books. 855
6.	Benedetti, Giovanni, Udine. Drawing tables.	846	24.	De Laurentis, Carlo, Rome. Biblical abstract. 854
6a.	Bonelli, Angelo. Samples of penmanship.	842	25.	De Luca, Carnazza Salvator, Catania. Scientific volumes. 854
6b.	Commercial School, Naples. Books.	852	26.	Durante, Filippo, Palermo. Manual of the tailor's art. 854
7.	Humbert First Public School, Naples. Album of drawings.	846	27.	Fabbrichesi, Gaetano, Rome. Geometrical designs. 855
8.	Testi, Laudedeo, Lodi. Work on drawing.	846	28.	Faccinetti, Gaetano, Rimini. Monograph. 854
9.	Tonso, Giovanni, Turin. Work on penmanship.	842	29.	Fazio, G. B., Genoa. History. 854
10.	Trevisani, Romolo, Rimini. Work on drawing.	846	30.	Ferrari, Luigi, Genoa. Books. 854
GROUP 150.			31.	Frisoni, Gaetano, Genoa. Books. 854
11.	Abisso, Gioacchino, Vicesza. Mechanical works.	854	32.	Giordano, Alfonso, Palermo. Books. 854
11a.	Allegra, Castiglione, Catania. Books.	854	33.	Gulinati, Vittorio, Bondeno Ferrarese. Manuscripts. 854
12.	Arnandon, G. Giacomo, Turin. Work on museum designs.	854	34.	Hoepfli, Ulderico, Milan. Books. 854
12a.	Bareggi, Giuseppe, Milan. Books.	854	35.	Lancia, Giuseppe, Turin. Butchers' manual. 854
13.	Bianchi-Malpotti, Enrico, Parma. Hydraulic manual.	854	36.	Manganaro, Catterina, Messina. Statistical works. 854
13a.	Bignami, Enrico, Milan. Books.	854	37.	Moneti, Giuseppe, Rome. Joiners' manual. 854
14.	Borgna de Rossi, Giulio, Turin. School manual.	855	38.	Monterosso, Raffaele, Syracuse. French books. 854
15.	Borgna, Giuseppe, Turin. Work on education.	854	39.	Moscariello, Giuseppe, Naples. Works on education. 854
16.	Brogi, Sigismondo, Siena. Scientific works.	854	40.	Olia, Ferdinando, Naples. Geography. 854
			41.	Ongania, Ferdinando, Venice. History of St. Mark's church. 854
			42.	Piscicelli, Aderisio, Casterta. Paleography. 855
			43.	Raddi, Anserico, Spezia. Books and drawings. 854

Literature, Instruments of Precision, Government and Law, Commerce. Etc.

Class'n  
No.

- Losati, Vincenzo, Remet. Work on  
uction. 854  
oux, Onorato, Rome. Books. 854  
cafati, Giuseppe, Naples. Drawings  
rpedoes. 854  
caraviglia Torquato, Chieti. Album.  
854  
chiff, Paulina, Milan. Books. 854  
chool of Commerce, Naples. Books.  
854  
chool of Prof. Valdesè, Genoa. Ed-  
eal publications. 854  
aderini, Aristide, Rome. Books. 854  
amburini, Stanislao, Rome. Geo-  
cal drawings. 855  
echnical Institute, Lodi. Album of  
ings. 854  
ono, Massimiliano, Venice. Astro-  
cal publications. 854  
eves Bros., Milan. Illustrated pa-  
ers. 855  
erin Typographical Union, Rome.  
854

## GROUP 151.

- inari Bros., Florence. Photo-  
s. 871  
erson, Domenico, Rome. Photo-  
s. 871  
ogi, Florence. Photographs. 871  
pitanio, Cristoforo, Brescia. Pho-  
tos. 871  
loforti, Gabriele, Rome. Photo-  
s. 871  
ali, Lorenzo, Rome. Photo-  
s. 871  
k, Odoardo, Rome. Instruments  
sion. 865  
retto, Adelchi di G., Treviso.  
raphs. 871  
iska Francesco Company, Milan.  
copes. 874  
zczochi, Girolamo, Bologna. As-  
tical machine. 866  
er & Duroni, Milan. Photographs.  
871  
a, Carlo, Venice. Photographs.  
871  
anini, Cristiano, Vicenza. Per-  
motor clock. 873  
oli, Luigi, Rome. Photographs.  
871  
noiraghi, A., Milan. Scientific  
ents. 867  
vati, Paolo, Venice. Photographs  
nrelles. 871  
tino, Leo Nicolo, Palermo. In-  
ts of precision. 865  
a, Franc Paolo, Palermo. Photo-  
s. 871

Exhibit  
No.

- 72a. Minister of Marine, Rome. Publica-  
tions. 890  
72b. Minister of War, Rome. Publications.  
890

## GROUP 153.

73. Iovene, Giuseppe, Naples. Mail box.  
893  
74. Neapolitan Economic Association,  
Naples. Statutory acts. 890

## GROUP 154.

75. Amoretti, Andrea, Finalborgo. Com-  
mercial accounting. 905  
76. Chamber of Commerce, Catania.  
Statistics. 895  
77. Chamber of Commerce, Modena. Ac-  
count books. 900  
78. De Angelis, Angelo, Lanciano. Trea-  
sury on accounts. 905  
79. Genoa Savings Bank, Genoa. Ac-  
counts. 905  
80. Lauro, Genoa. Accounts. 905  
81. Monte di Pietà, Genoa. Accounts. 905  
82. Parolo, Leodoro, Turin. Account  
books. 905  
83. Sanguinetti, Achille, Parma. Book-  
keeping. 905  
84. Sarno, Nicola Albano, Leziale. Ac-  
count books. 905  
85. Stèlla, Antonio, Naples. Book-keep-  
ing. 905  
86. Technical Institute, Caserta. Ac-  
counts. 905  
87. Workmen's Co-operative Bank, Sini-  
gallia. Banking laws. 908  
88. Zambonini, Giuseppe, Finale Emilia.  
Book-keeping. 905

## GROUP 156.

89. Mutual Beneficial Society, Città di  
Castello. Report. 914  
90. Teachers' Mutual Benefit Society,  
Rome. Report. 914

## GROUP 157.

91. Guirini, Guirino, Rome. Work on  
charities. 925

## GROUP 158.

92. Abbate, Alfonso F., Naples. Musical  
instruments. 928  
93. Battista, Luca, Majori. Musical score.  
926  
94. Della Eredi Company, Verona. Har-  
monic strings. 936

## Music and Musical Instruments.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
95. Bertinelli, Alessandro, Rome. Musical instruments.	928	109. Gorga Bros., Rome. Stringed musical instruments.	928
96. Brancaccio, Giuseppe, Naples. Violin.	929	110. Kisslinger, C. A., Naples. Stringed musical instrument.	928
97. Buonomici, Ferdinando, Naples. Musical scores.	926	111. Koriska-Jamnichen, Milan. Mandolins.	928
98. Calace, Nicola Naples. Mandolin.	928	112. Lo Galbo, Provvidenza, Salerno. Musical works.	926
99. Carraba, C. V., Catania. Musical instruments.	928	113. Mancuso, Piazza Giuseppe, Castrogiovanni. Music.	926
100. Colombo, Federico, Turin. Piano fortes.	930	114. Marradi, Benti, Pistoja. Cymbals.	927
101. Cozzi, Ersilio, Crespino. Musical instruments.	928	115. Mehdozza, Gennaro, Naples. Mandolins.	928
101a. Curci, A., Naples. Method for guitar.	926	115a. Mola, G., Turin. a Pianos.	930
102. Degani, Eugenio, Venice. Violins.	929	b Organs.	935
103. Del Nero, Angelo, Rome. Musical manuscripts.	926	116. Petillo, Giovanni, Naples. Music.	926
104. Di Giorgio, Salvatore & Giuseppe, Termini Imerese. Stringed musical instruments.	928	117. Rocca, Enrico, Genoa. Musical instruments.	928
105. Di Leo, Cammillo, Palermo. Mandolin.	928	118. Ruggiero, Cesare, Naples. Musical instruments.	928
106. Di Napoli, Giovanni, Palermo. Musical compositions.	926	119. Sgarbi, Antonio, Rome. Musical instruments.	928
107. Gamberini, Bernardo, Bologna. Music.	926	120. Toscana, Marotta Angelo, Aidone. Musical instruments.	928
108. Giorgi, Carlo Tommaso, Florence. Musical instruments.	928	121. Tubi, Gaziani, Lecco. Organs.	928
		122. Vifiaccia Bros., Naples. Mandolin.	928

## JAPAN.

## LOCATION—GALLERIES A AND I AND MAIN FLOOR G.

## Hygiene, Surgical Instruments, Education.

## GROUP 147.

- |                                     | Class'n<br>No. |
|-------------------------------------|----------------|
| terior Department, Public Sanitary  |                |
| eau. Photographs and description of |                |
| ector.                              | 888            |
| eibe Yaga, Osaka. Model of Ten-     |                |
| Temple tower.                       | 887            |

## GROUP 148.

- |                                      |     |
|--------------------------------------|-----|
| sajiro Narita, Tokyo. Surgical in-   |     |
| nents.                               | 887 |
| uchi Segewa, Tokyo. Instruments      |     |
| physical diagnosis.                  | 886 |
| hizaemon Matsumoto, Tokyo.           |     |
| Instruments for physical diagnosis.  | 886 |
| Surgical instruments.                | 887 |
| otaro Sasaki, Tokyo. Artificial      |     |
| .                                    | 889 |
| uhei Mangi, Tokyo. Surgical in-      |     |
| nents.                               | 887 |
| oto Itomono Company, Kyoto.          |     |
| t for surgical purposes.             | 887 |
| atsunosuke Shirai, Osaka. Medical    |     |
| ices.                                | 887 |
| nigetaro Baba, Aichi. Pharmaceu-     |     |
| articles.                            | 887 |
| nigetaro Baba, Aichi. Optical in-    |     |
| struments.                           | 887 |
| idazo Wakabayashi, Tokyo. Bu-        |     |
| for dental instruments.              | 889 |
| ar Department—Medical Bureau.        |     |
| Appliances for carrying the wounded. | 840 |
|                                      | 837 |
| Surgical instruments, etc.           | 837 |
| keichi Horiguchi, Tokyo. Instru-     |     |
| for dental surgery.                  | 839 |
| shitsura Okochi, Tokyo. Ice bags.    |     |
|                                      | 834 |

## GROUP 149.

- |                                     |     |
|-------------------------------------|-----|
| ucational Department. Educa-        |     |
| reports, text books and diagrams of |     |
| buildings.                          | 853 |
| ucational Department Agricultu-     |     |
| school. Pictures, farm products,    |     |
| drawings, records and descriptions. | 851 |
| ucational Department—College of     |     |
| ulture, Imperial University. Speci- |     |
| of fruit, photographs, reports and  |     |
| cs.                                 | 852 |

- | Exhibit<br>No.  | Class'n<br>No. |
|---|----------------|
| 19. Educational Department—College of Engineering, Imperial University. Model of building, essays and drawings.                               | 851            |
| 20. Educational Department—Commercial School. School appliances, pictures, records, rules, regulations and statistics.                        | 852            |
| 21. Educational Department—Common Middle School. School apparatus, drawings, photographs, paintings, records, etc.                            | 842            |
| 22. Educational Department—Common Normal School. School apparatus, needle work, drawings, paintings, photographs, records, etc.               | 852            |
| 23. Educational Department—Educational Society of Japan. Rules and regulations.   | 853            |
| 24. Educational Department—Elementary School. Photographs, school apparatus, paintings, records, drawings, needle work, etc.                  | 841            |
| 25. Educational Department—Girls' Normal School. School appliances, needle work, pictures, records and statistics, photographs and drawings.  | 851            |
| 26. Educational Department—Girls' Higher School. Records, rules, needle work, drawings, school appliances, photographs, paintings and essays. | 851            |
| 27. Educational Department—Girls' School. Hand-made articles, needle work, pictures and photographs.  | 850            |
| 28. Educational Department—Higher Commercial School. Counting book, etc.  | 852            |
| 29. Educational Department—Higher Middle School. Records and statistics, photographs, paintings and specimens.                                | 851            |
| 30. Educational Department—Higher Normal School. Hand-made articles and pictures.   | 851            |
| 31. Educational Department—Kindergarten. Records and statistics.  | 841            |
| 32. Educational Department—Tokyo Art School. Paintings, carvings, art goods and designs.  | 852            |
| 33. Educational Department—Tokyo Blind and Mute School. Pictures, carvings, needle work, school appliances, photographs and records.          | 849            |

## Literature, Instruments of Precision, Photographs, Civil Engineering, Government.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
34. Educational Departm't—Tokyo Technological School. Exhibits of the dyeing and weaving, pottery and glass, applied chemistry and mechanical industry departments, drawings and paintings.	852	54. Educational Department—College of Science, Imperial University. Seismological instruments and photographs.	866
35. Educational Section of Tokyo Machinery Company, Tokyo. School specimens.	845	55. Gonjiro Yamamoto, Aichi. Abacus.	865
36. Kanzaburo Shimidzu, Tokyo. Chemical chinaware.	845	56. Hikoma Ueno, Nagasaki. Photographs.	871
37. Kisai Takayama, Tokyo. Organization and report of Takayama Dental School.	852	57. Kazunao Ogawa, Tokyo. Photographs.	871
38. Norimichi Okabe, Osaka. Writing slate.	846	58. Makoto Endo, Miyagi. Photographs.	871

## GROUP 150.

39. Hakodate Manufacturing & Trading Company, Hokkaido. Trade statistics and price list.	860	62. Sauta Ichida, Hyogo. Photographs.	871
40. Hakodate Trading & Manufacturing Association, Hokkaido.		63. Shinichi Setsu, Nagasaki. Photographs.	871
a Directory of cities and towns.	862	64. Sinsuke Mihara, Tokyo. Magic lantern slides.	871
b Maps.	864	65. Takeyasu Kiyokawa, Nagasaki. Photographs.	871
41. Interior Department—Central Meteorological Office. Meteorological history, descriptions, reports, etc., map and diagram showing location of weather stations, storm bulletins and light houses, diagram showing storms, indications on thermometer and barometer, quantity of rain; earthquakes, etc.	864	66. Tamekichi Ito, Tokyo. Rulers.	865
42. Interior Department—General Affair Bureau. Tables of Japanese population and copyrights.	863	67. Tamekichi Kamiya, Shiga. Sun dial.	873
43. Jihei Tanaka, Kyoto. Pictorial arts and designs.	854	68. Tomozo Watanabe, Tokyo. Photographic accessories.	871
44. Kanzaburo Azuma, Tokyo.		69. Yasuo Egi, Tokyo. Photographs.	871
a Art magazines.	854	70. Yoshiharu Takeshita, Nagasaki. Photographs.	871
b Geological maps.	864		
45. Kokkwasha, Tokyo. Art magazines.	854		
46. Kosuke Sakata, Hyogo. Notes on the abacus and abacuses.	854		
47. Kininosuke Soma, Tokyo. Book on ivory carving.	854		
48. Magobei Fujii, Kyoto. Pictorial art books.	854		
49. Magobei Okura, Tokyo. Books.	854		
50. Tokutaro Kimura, Tokyo. Book.	854		
51. Tokutaro Wada, Tokyo. Books.	854		
52. War Department—Surveying Office. Maps.	864		

## GROUP 151.

53. Commercial and Manufacturing Bureau, Japan. Testing machines of weights and measures.	865
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## GROUP 152.

71. Interior Department—Public Engineering Bureau. Models and diagrams.	871
72. Kiesuke Niwa, Kyoto. Model of Kyoto Yasaka tower.	871
73. Kobe Wharf Construction Company, Hyogo. Plan of wharf construction.	871
74. Shirotaro Kodama, Aichi. Architectural designs.	871
75. Tamekichi Ito, Tokyo. House models.	871
76. War Department Military Affairs Bureau. Photographs of guns and arms.	871

## GROUP 153.

77. Bureau of Peers of Imperial Diet. Method of short-hand reporting.	871
78. Department of Communication. Postal system and appliances of the postal service; mail bags, pouches, postal marks, stamps, etc.; maps and tables showing light houses, lines of navigation, etc.	871

## Commerce, Associations, Music and Musical Instruments.

Exhibit No.	Class'n No.
aps, diagrams, tables, etc., of telegraph utes, stations and apparatus; photo of ephone office and brief history of the partment.	893
Interior Department - Bureau of Po- e. Diagram of Tokyo reformatory build- g, records of prisons.	894

## GROUP 154.

Commercial and Manufacturing Bu- tu.	
a Statistics of trade and commerce of Japan and guide book.	895
B Boards of commerce and their func- tions illustrated.	900
Kyoto Board of Trade, Kyoto. Organ- ization of Board of Trade with illustra- as.	900
Treasury Department - Mint Bureau. ins and medals.	897
Zenemon Konike, Osaka. Rules and istics of life insurance companies.	902

## GROUP 156.

Exhibit No.	Class'n No.
84. Educational Department—Educational Museum. Models and specimens, toys, pictures and magic lantern accessories.	909

## GROUP 158.

85. Dembei Nakagaki, Osaka. Musical instruments.	929
86. Educational Department—Tokyo Mu- sical School. Musical instruments, pict- ures, descriptions, books, etc.	926
87. Gembei Sakata, Osaka. Drums.	927
88. Jisaburo Fujita, Osaka. Musical in- struments.	936
89. Masakichi Suzuki, Aichi. Violin.	929
90. Shinsuke Sasatani, Osaka. Musical instruments.	936
91. Tsunesaburo Ena, Osaka. Trumpets.	933

## MEXICO.

## LOCATION—GALLERIES C AND D.

## Hygiene, Medicine.

## GROUP 147.

Exhibit No.	Class'n No.
Asilo de Mendigos, Mexico. Photo- graphs, publications and mural charts.	831
Ayuntamiento de Puebla, Puebla. Statistics and photograph of the hospital.	832
Belen Hospital, Guadalajara. Photo- graph of building.	832
Board of Health, Mexico. Sanitary e and regulations, reports on hygiene bulletin of the board.	829
Children's Home and Orphan Asylum, dla. Plans, reports and regulations.	831
Correa, J. Antonio, Mexico. Study of wheats grown in the Federal district.	826
Dandle, Julio, Monterrey. Chromos of Topo baths.	829
Garcia, Amado, Mexico. Photo- graphs and plans of the baths of San ipe de Jesus	829
Galasco, Government of the State of, adalajara. Plan and photograph of Children's Home.	831

Exhibit No.	Class'n No.
10. Lozano, J. M., Monterrey. Synopsi of cholera morbus.	833
11. Martinez, Miguel F., Monterrey. Data on hygiene.	833
12. Maternity Hospital, Puebla. Photo- graphs, plans and reports.	832
13. Sanchez, Ramos Jose, Mexico. De- scription, plan and photograph of San Rafael paper mill.	927
14. Zacatecas, Government of, Zacatecas. Photographs of the Children's Home of Guadalupe.	831

## GROUP 148.

15. Cabreva, Octaviano, San Luis Potosi. Digestivelixir.	835
16. Carbajal, Jose M., Cordoba. Per- uvian bark.	834
17. Cornish, Carlos, Puebla. Samples of dental work.	839
18. Cuerpo Medico Militar, Mexico. Knapsack with medicine chest and surgi- cal instruments.	837
19. Escandon, Francisco, Cordoba. Peru- vian bark.	834

## Medicine, Education.

Exhibit No.	Class No.	Exhibit No.	Class No.
19a. Espinosa, Felix M., Merida, Yucatan. Chemical vegetable preparations.	834	45. Colegio de la Santisima Trinidad, Jalapa. School work.	851
20. Jalapa, Government of. Sarsaparilla root and lemon juice.	834	46. Colegio del Estado, Puebla. Photographs and report.	851
21. Jongitud, Leonides E., Toluca. Drugs.	834	47. Colegio de Ninas, Puebla. Photographs and data.	851
22. Martinez, Antonio, Zongolica. Sarsaparilla root.	834	48. Colegio, Guadalupano, Durango. Artificial flowers; school work.	845
23. Medida, Luis, Cosamaloapam. Carbolic soap.	834	49. Colegio Military, Mexico. Photographs, plans, regulations, text books and school work.	852
24. Moreno, Alberto C., Puebla. Microscopical preparations.	834	50. Colegio Salesiano College, Mexico. Programme.	850
25. Rosado, Desiderio, Tabasco. Drugs.	834	51. Colegio Seminario, Puebla. Programme.	852
26. Solis, Dario P. Otumba. Anti-rheumatic tincture.	834	52. Conservatorio Nacional de Musica, Mexico. Photographs.	852
27. Soriano, Jose M., Mexico. Samples of dental work.	839	53. Cordoba, Luis G., Zacatecas. Statistics of public instruction.	852
<b>(GROUP 149.)</b>			
28. Academia de Ninas, Morelia. School work.	852	54. Durango, Local Committee of. Collection of drawings and paintings made by young ladies and girl pupils of the Institute de Ninas.	843
29. Academia de Ninas, Oaxaca. Photographs.	852	55. Escuela de Amat Luz, Mexico. Penmanship method.	842
30. Alumnas de la Escuela de Ahuashatepec, Tlaxcala. School work.	843	56. Escuela de Artes. Oaxaca. Photographs.	846
31. Alumnas de la Escuela de Coajomulco, Tlaxcala. School work.	843	57. Escuela de Artes y Oficios, Guadalajara. Plan of the school and photographs.	846
32. Alumnas de la Escuela de Cuetzacualpan, Tlaxcala. School work.	843	58. Escuela de Artes y Oficios, Mexico. Photographs and school work.	846
33. Alumnas de la Escuela de Teacalco, Tlaxcala. School work.	843	59. Escuela de Artes y Oficios, Puebla. Specimens of school work.	846
34. Alvarez, Guerrero Luis, Mexico. Photographs of National Primary School No. 1.	842	60. Escuela de Comercio, Mexico. Photographs.	852
35. Arce, Luz N., Guerrero. Drawings.	843	61. Escuela de Jurisprudencia, Guadalajara. Photographs.	852
36. Asilo de Ninas de Guadalupe, Zacatecas. School work.	843	62. Escuela de Jurisprudencia, Mexico. Photographs.	852
37. Autlan, Political Authority of, Jalisco. The Public Instruction.	850	63. Escuela de Maestros, Zacatecas. Drawings.	851
38. Ayuntamiento de Puebla, Puebla. Photographs.	842	64. Escuela de Medicina, Guadalajara. Photographs.	852
39. Balvanera, Ignacio, Queretaro. Drawings and paintings made by young ladies, pupils of the exhibitor's academies.	851	65. Escuela de Medicina, Mexico. Photographs, plans and text books written by professors of the school and theses by students.	852
40. Balvanera, Luis G., Queretaro. School data.	842	66. Escuela de Ninos, Calpulalpan. Photograph.	842
41. Cappolletti, Enrique M., Saltillo. Reports, photographs, text books, plans, etc., of the College of San Juan Nepomuceno.	851	67. Escuela de Ninas, Nos. 1, 2 and 3, Zacatecas. School work.	842
42. Cervantez, Imaz M., Mexico. Photographs of the National Primary School No. 7.	842	68. Escuela de Senioritas, Zacatecas. Drawings.	843
43. Cointa Mendora, Mexico. Reports and photographs of the Municipal School No. 2.	842	69. Escuela de Tzompantepec, Tlaxcala. School work.	843
44. Colegio de La Paz, Mexico. Photographs.	851	70. Escuela Elemental No. 3, Jalapa. School work.	843

## Primary, Secondary and Superior Education.

Class'n No.	Exhibit No.	Class'n No.
cuela Especial de Ingenieros, Photographs and school work.	96. Instituto Cientifico Literatio, Toluca. Report on the institute.	852
852	97. Instituto de Ciencias, Oaxaca. Photo- graphs.	851
cuela Municipal de Artes y Oficios, Potosi. Blank books.	98. Instituto de Ninas, Durango. Artifi- cial flowers, collection of school work and photographs.	851
847	99. Instituto Juarez, Durango. Photo- graphs.	851
cuela Municipal de Ocampo, Zaca- School work.	100. Jalisco, Government of, Guadalajara. Drawings made by young ladies.	843
843	101. Liceo de Ninas, Guadalajara. Pho- tographs.	851
cuela Municipal Francisco Gar- catecas. School work.	102. Liceo de Ninas No. 1, Jalapa. School work.	843
843	103. Liceo de Senoritas, Guadalajara. Penmanship.	843
cuela Municipal Hidalgo, Zaca- School work.	104. Liceo de Verones, Guadalajara. Pho- tographs.	851
843	105. Mazatlan Junta Local. Collection of drawings and paintings made by young ladies, pupils of the public schools.	843
cuela Municipal Ocampo, Zaca- School work.	106. Mexico, Government of the District. Public instruction in the Federal dis- trict.	850
843	107. Norena, J., Mexico. Photographs of the Escuela Nacional Primaria No. 3.	842
cuela Municipal, Puebla. Photo- 842	108. Oaxaca, Government of. a Public school work.	842
cuela Nacional de Agricultura, Photographs, plans, text books by professors of the school and by the students.	b Reports on public instruction and private school plans.	853
852	109. Pliego y Madrid, Maria, Toluca. Painting on clay.	843
cuela Nacional de Bellas Artes, Photographs and school work.	110. Puebla, Government of. a Specimens of school work.	842
852	b Collection of reports, plans and pho- tographs of educational establish- ments and school necessities.	853
cuela N. de Ciegos, Mexico. a) sketch, photographs and school Special text books intended for the blind.	111. Reyes, Francisco de P., Cuernavaca. School books.	842
849	112. Salas, Carmen, Chihuahua. Crayon drawing.	843
cuela N. de Sordo-mudos, Mexico. aphs and school work.	113. School of Arts and Trades, Toluca. School work.	847
849	113a. Secretaria de Fomento, Mexico. Public instruction in the Mexican Repub- lic.	850
cuela Normal de Profesores, Mexico. aphs, plans and school work.	114. Unda, Lic. Jose, Oaxaca. Text book.	842
851	115. Vera Cruz, Government of, Jalapa. Photograph of the Clavijero school.	842
cuela Normal de Profesores, Oax- otographs and school work.	116. Zacatecas, Government of, Zacate- cas. Photographs.	852
851	117. Zacatlan, Jefe Politico. Programme and methods employed in teaching school work.	842
cuela Normal de Profesores, Puebla. ork.	118. Zayas, M., Mexico. Photographs of the Escuela Nacional Primaria No. 2.	842
843		
cuela Normal para Profesoras, Potosi. Programmes.		
851		
cuela Normal, Tlaxcala. Photo- 851		
cuela N. Preparatoria, Mexico. phis, text books and school work.		
851		
cuela Normal, Toluca. School 843		
a Para Ninos, Santa Ana. ph.		
842		
a Practica de Minas y Metal- chuca. Plan of the school.		
852		
a Superior de Ninas, Jalapa. rk.		
843		
as Hnos., Mexico. School fur- ther school necessities.		
842		
ez, Elias, Chihuahua. School 842		
illo Junta Local. Collection of and drawings made by young ie public schools.		
843		
o Para Huerfanos, Escuela de oficios, Guadalajara. Report, as and school work.		
847		

## Literature, Photography.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
220. Pascal, Augustin V., Guadalajara. Works on mathematics.	854	248. Santos Coy, Alberto, Mexico. Feast of the Tostoganes.	84
221. Pavia, Lazaro, Mexico.		249. Schulz, Miguel E., Mexico. Course of geography.	84
a Books written by the exhibitor.	854	250. Secretaría de Comunicaciones, Mexico. Contract for works at the forts.	83
b Periodicals.	858	251. Secretary of War, Mexico. Military book-keeping.	83
222. Paz, Arturo, Mexico. Roman historical legends.	854	252. Septien, Jose A., Mexico. Arithmetic.	855
223. Paz, Irineo, Mexico.		253. Sierra, Justo, Merida. Books.	84
a Historical legends of the independence.	854	254. Sinola, Government of, Culiacan. Official and industrial maps of the state and the flora of the district of Culiacan.	84
b Periodicals.	858	255. Sociedad Farmaceutica, Mexico. Mexican pharmacopœia.	84
225. Pedraza, Jose E., Zacatecas. Report upon public instruction.	863	256. Sonora, Junta Local, Hermosillo. Typographical specimens.	84
226. Pena, Daniel, Jonacatapec. Dairy industry.	854	257. Sotomayor, Damaso, Mazatlan. The Aztecs.	84
227. Peon, Contreras J., Merida. Books.	854	258. Sotomayor, Enrique, Mexico. Compendium of universal geography.	83
228. Perez, Alcala J., Merida. Books.	854	259. Suarez, J., Merida. Books.	84
229. Perez, Milicœa, Luis, Jalapa. Text books.	855	260. Tabasco, Government of, San Juan Bautista. Administration report and the Periodico Oficial.	83
230. Perez Ortiz, Victor, Victoria, Tamaulipas. Typographical specimens.	854	261. Vargas, Eduardo M., Irapuato. Newspapers.	84
231. Perez, Rodolfo, Merida. Books.	854	262. Villada, J. V., Toluca. Newspapers.	84
232. Peza, Juan de Dios, Mexico. Books written by the exhibitor.	854	263. Villanueva, Tomas, Mexico. English and Spanish Ollendorff.	83
233. Pimentel, Victoriano, Mexico. The modern school.	855	264. Vera Cruz, Government of, Jalapa.	
234. Puebla, Government of. Official publications.	863	a Administration report 1888-1890.	83
235. Purdic & Martinez, Victoria. Typographical specimens.	854	b Topographical and hydrographical map of the city of Veracruz.	84
236. Queretaro, Government of.		265. Viewtez, Hipolito A., Queretaro. Newspapers.	83
a Administration report.	863	266. Yucatan, Government of, Merida.	
b Plan of Queretaro.	864	a Books.	84
237. Rebzamen, Enrique C., Jalapa.		b Maps and topographical plans.	84
a Works on education.	854	267. Zacatecas, Government of.	
b Text books.	855	a Old books and reports.	84
238. Reyes, Francisco de P., Cuernavaca. School newspaper.	855	b Official publications.	84
239. Reyes, V., Guadalajara. Book.	854	c Plans and sketches.	84
240. Robelo, Cecilo A., Cuernavaca. Books and collection of historical and scientific papers.	854	268. Zayas, Enriquez Rafael, Mexico. The United States of Mexico.	84
241. Rodriguez, Jose M., & Co., Mexico.			
a Poems.	854		
b School books.	855		
242. Rosa, Agustin de la, Guadalajara. Philosophy and richness of the Mexican tongue.	854		
243. Roviroso, J. N., San Juan Bautista, Tabasco. Scientific studies.	854		
244. Ruhland, Emil, Mexico. Directory and guide of the city of Mexico and of the Mexican Republic.	862		
245. Ruiz, Mariano, Morelia. Newspapers and other publications.	854		
246. Salazar, J. M., Merida. Books.	854		
247. Santa Cruz, Francisco, Guadalajara. Statistical essay for 1892.	863		

## GROUP 151.

269. Alvarez, C., Pachuca. Photographs.	81
270. Azurmendi, Juan A., Mexico. Photographic views.	81
271. Becerril, Lorenzo, Puebla. Photographs.	81
272. Belmont, J., Mexico. Colored photographs.	81

## Photography, Civil Engineering, Constructive Architecture,

	Class'n No.	Exhibit No.	Class'n No.
enitez, Gabriel, Puebla.	Photo- 871	302. Pascal, A. V., Guadalajara.	Siesmo- 872
uen Abad, Manuel, Mexico.	Photo- 871	303. Puebla, Government of. Photographs.	871
italan, Dionisio, Celaya.	Photo- 871	304. Querétaro, Government of. Photographs.	871
navez, Agustín M., Mexico.	Anemo- 872	305. Ramirez, Leonardo, Zacatecas. Pub- lic clock.	873
niapas, Government of, Tuxtla.	graphs. 871	306. Ramos, Ramon, Oaxaca. Photo- graphs.	871
mision Geografico-Exploradora.	Photographs. 871	307. Rendon, Nicolas M., Monterrey. Photo- graphs.	871
halde, Martin, Monterrey.	Photo- 871	308. Rodriguez, Jesus, San Luis Potosi. Photographs.	871
rango, Government of.	Photo- 871	309. Schlalman, Hermanos, Mexico. Photo- graphs.	871
inosa & Cueva, San Luis Potosi.	raphic work. 871	310. Testamentaria del Sr. Gral, Mexico. Photographs.	871
za Indalecio, Monterrey.	Photo- 871	311. Tlaxcala, Government of. Photo- graphs.	871
isco, Government of, Guadalajara.	raphs. 871	312. Vazquez, Adrian, Saltillo. Portraits and photographic views.	871
n, Alberto, San Juan Bautista.	raphs. 871	313. Winther, N., Mexico. Photographs.	871
rango, Desiderio, Monterrey.	raphs. 871	314. Yucatan, Government of, Merida. Photographs.	871
ato, Emilio G., San Luis Potosi.	raphs. 871	315. Zacatecas, Government of. Photo- graphs.	871
len, Rafael, Mexico.	Panto- 866		
ina, Ruperto, Morelia.	Photo- 871	<b>GROUP 152.</b>	
dez, Hermanos, San Luis Potosi.	raphs. 871		
ico, Secretaria de Comunica- Photographs.	871	315a. Cerdan, Agustin, Mexico. Profile plans and description of the works of the port of Vera Cruz.	877
ico, Secretaria de Fomento.	raphs. 871	316. Cordoba, Luis G., Zacatecas. Work on constructions.	889
ico, Secretaria de Guerra.	Photo- 871	316a. Empresa del Ferrocarril Central, Mexico.	
ico, Government of, Toluca.	raphs. 871	a Album of the works at the port of Tampico.	877
oacan, Government of, Morelia.	raphs. 871	b Topographical plan of the Inter- national Railway, and profile plans and photographic views of the Mex- ican Central Railway.	879
auriol, Sucesores, Mexico.	Al- 871	317. Escuela Practica de Minas y Metal- urgia, Pachuca. Plans of several mines.	885
z, Leonardo, Chihuahua.	Photo- 871	318. Finck, Hugo, Cordoba. Work on engineering.	889
Jose M., La Piedad.	Photo- 871	319. Read & Cambell, Mexico. Model of works for the tunnel of Tequisqui- ac. Plans and views of the draining work of the valley of Mexico.	877
y Ornelas, Alvarez, Chihuahua.	raphs. 871	320. Sonora, Government of. Photographs of the works at the Yaqui river.	882
ga, Ruiz Eloy, Mexico.	Tele- 875	321. Waters, Pierce, Oil Co., Mexico. Clay reproductions of the petroleum re- finery.	889
microphones and a microtele-			
ca, Government of, Oaxaca.	raphs. 871		
co, Jose M., Leon.	Photo- 871		

## Government, Commerce, Knowledge, Associations, Music.

## GROUP 153.

Exhibit No.	Class'n No.
322. Cordova, Luis G., Zacatecas. Collection of laws.	890
323. Gochion, Francisco de P., Mexico. Collection of postage stamps.	893
324. Jalisco, Government of, Guadalajara. Plans and photographs of the penitentiary.	894
325. Martinez Beca, Francisco, Puebla. Studies of criminals in the state of Puebla.	894
326. Martinez, Miguel, Monterrey.	
<i>a</i> Collection of laws.	890
<i>b</i> Codes of the state.	894
327. Medina y Ormachea, Antonio, Mexico. Mexico before the International Penitentiary Congress.	894
328. Morelos, Government of, Cuernavaca. Collection of laws and codes in force.	890
329. Puebla, Government of. Collection of laws.	890
330. Romero, Jose Maria, Mexico. The penitentiary.	894
331. Tabasco, Government of, San Juan Bautista. Collection of laws.	890
331a. Tamaulipas, Government of, Victoria City. Memoir on public instruction.	890
332. Vera Cruz, Government of, Jalapa.	
<i>a</i> Collection of laws and memoir of the public administration.	890
<i>A</i> Plans of the penitentiary.	894

## GROUP 154.

333. Banco de Nuevo Leon, Monterrey.	
<i>a</i> Samples of bills used in the bank.	897
<i>b</i> The bank.	903
334. Banco de Zacatecas, Zacatecas.	
Statutes of the bank.	903
335. Banco Mexicano, Chihuahua. Statutes and laws of the Mexican bank.	903
336. Jimenez de la Cuesta, E., Mexico.	
Book-keeping books.	905
337. Maria y Campos, Ricardo de, Mexico.	
Mercantile dates.	905
338. Maya, Juan C., Mexico.	
Book-keeping books.	905
339. Raso, Bernardino del, Mexico.	
Book-keeping books.	905
340. Tapia, Antonio, Mexico.	
Book-keeping books.	905
341. Zacatecas, Government of. Statutes of the savings bank.	903
342. Zarate, Eduardo E., Mexico. Statistical table of the textile industry of women and children goods.	

## GROUP 155.

Exhibit No.	Class'n No.
342a. Academy of Medicine, Mexico. Scientific newspaper.	908
343. Asociacion de Ingenieros y Arquitectos, Mexico. Annals of the society.	908
344. Guerrero Austasio, San Luis Potosi. Statutes and regulations of the Pedagogical Scientific Society "Pedro Valdivia".	908
345. Instituto Medico Nacional, Mexico. Collection of indigenous drugs, chemical products, medicinal woods, herbaria, microscopic preparations and microphotographs. Medical geography of the valley of Mexico and other scientific relations.	908
346. Martinez, Miguel F., Monterrey. Institutions to diffuse the sciences.	908
347. Observatorio Astronomico, Toluca. Plans, photographs and publications.	908
348. Observatorio Meteorologico, Toluca. Collection of publications.	908
349. Puebla, Government of. Scientific mammals, 200 specimens.	908
350. Sociedad Antonio Alzate, Mexico. Bulletin of the society.	908
351. Sociedad Artistica Reparatriz, Toluca. Report.	908
352. Sociedad de Historia Natural, Mexico. La Naturaleza, a scientific journal.	908
353. Yucatan, Government of. Mammals, birds, reptiles, etc.	908

## GROUP 156.

354. Circulo de Empleados, Mexico. Statutes.	
355. Miguel, F. Martinez, Mexico. Fraternal association.	
356. Sociedad Filarmónica, Mexico. Report and statutes of the society newspaper.	

## GROUP 157.

357. Martinez, Miguel F., Mexico. Religious associations.	
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## GROUP 158.

358. Aguilar, Francisco, Mexico. Musical compositions.	
359. Alcerreca, Felix H., Mexico. School book.	
360. Balcazar, Francisco, Mexico. Musical compositions.	
361. Benavente, Estanislao, Mexico. Dance music.	
362. Castaneda, Juan H., Mexico. Grande. Musical compositions.	

## Music and Musical Instruments—The Theatre.

	Class'n No.	Exhibit No.	Class'n No.
errocarril Central Mexicano, Mex.		371. Rodriguez, Jose Maria & Co., Mex.	
Guitars.	928	ico. Libretto of an opera.	937
omez, Feliciano, Mocerito. Musical		372. Romillo, M., Queretaro. Keyboard.	
sitions.	937		936
errera, Antonio, Mexico. Lyre.	928	373. Sanchez, Bonifacio, Queretaro. Musi-	
errera y Gutierrez, Jesus, Mexico.		cal compositions.	937
s of "Teatro optics foro-ferico."	938	374. Sanchez, Eusebio, Querearo. Musi-	
		cal primary and music for beginners.	926
mus, Francisco de P., Morelia.		375. Saucedo, T., Guadalajara.	
al compositions.	937	a The theory of singing.	926
xico Junta Local. Guitars.	928	b Musical compositions.	937
choacan, Government of, Morelia.		376. Villalpando, F., Zacatecas. Musi-	
	928	cal compositions.	937
rales, Marciano, Jalapa. Musi-		377. Yucatan, Government of, Merida.	
positions.	937	Guitars and mandolin.	928

## NEW SOUTH WALES.

## LOCATION—GALLERY B.

## Hygiene, Education.

## GROUP 147.

	Class'n No.
bell, William Dugald, Padding-	
wn-draft ventilating cowls for	
air into sewers and buildings.	829
worth, Macpherson & Co.,	
Rapid filters.	829
F. Oliver, & Co., Sydney. Struc-	
ture plan of the city of Sydney.	
method of assessing fire hazard.	833
Charles H., Sydney. Pano-	
the Association Cricket Ground.	825

## GROUP 149.

	Class'n No.
ssioners for New South Wales,	
arts of Public Instruction, Sydney.	
arts on manual training.	844
arts on technical education.	847
s of enlarged photographs illus-	
trating the Public Schools of the	
city and report on school build-	850
ing.	851
Department of Public Instruction,	
Exhibit of public school work,	
of school exercises, writing,	
sketching, kindergarten work,	
sewing, needle-work, patching	

Exhibit No.	Class'n No.
darning, knitting, garment making, lace	
work, dressmaking, etc. from the follow-	
ing schools:	
Adelong Crossing, Albury, Armidale,	
Ballina, Birchgrove, Foggabri, Bowral, Bur-	
wood, Canterbury, Clarence Town, Cook's	
Hill, Erina, Eschol, Forest Lodge, Glad-	
stone Park, Glebe, Goulburn, Goulburn	
South, Gowrie, Grafton, Gundaroo, Hamil-	
ton, Hillgrove, Holdsworthy, Kogarah,	
Leniston, Lismore, West Maitland, Model	
School Fort Street, Molong, Mudjee,	
Musselbrook, Nelanglo, Newcastle, New-	
castle South, Newcastle East, New Italy,	
Paddington, Parramatta, Penrith, Pyr-	
mont, Quandong, Queanbeyan, Roughit	
Ryde, Saumarez, Scone, Silverdale, Silver-	
ton, Singleton, Summer Hill, Thalaba,	
Thurgoona, Thornford, Walgett, Waver-	
ley, Warrangong, Wallangong, Wickham,	
Wellington, Windsor, Wollongong, Wom-	
bat, and Young.	850

9. Department of Public Instruction,  
Technical Education Branch, Sydney.  
Specimens of industrial work from the  
Sydney Technical College and branch  
schools, including following classes: Arch-  
itecture, carpentry, cabinet-making, gen-  
eral and sanitary plumbing, masonry,  
stone and marble carving, masonry draw-  
ing, mechanical drawing, pattern-making,

## Education, Literature, Instruments of Precision, Photography.

- | Exhibit No.  | Class'n No. | Exhibit No.  | Class'n No. |
|--|-------------|--|-------------|
| iron-founding, boiler-making, fitting and turning, coach building, manual training, wood-carving, art, modeling, photo-lithography, industrial art, calligraphy and phonography.   | 847         | 22b. Higinbotham & Robinson, Sydney. Series of maps with statistical diagrams.   | 864         |
| 10. Department of Public Instruction, Technological Museum, Sydney. A century of New South Wales economic plants, with descriptions, substances used as food by the aborigines, vegetable medicinal substances, collection of gums, resins and kinos, tan-barks, barks, indigenous fibres, galls and insects, animal products, and educational exhibit of wools. | 847         | 23. Myers, Mark, Sydney. Riccazi, in phonography.  | 854         |
| Depts. A & L.  | 847         | 24. Palmer, Harry, Sydney. Original sketches from the comedies of Shakespeare.   | 854         |
| 11. New South Wales Institution for the Deaf and Dumb and the Blind, Sydney. Specimens of work done by the pupils: photographs and statistics.   | 849         | 25. Picturesque Atlas Publishing Co., Ltd., Sydney. Atlas of Australasia and proof engravings.   | 854         |
| 12. University of Sydney, Senate of. Photographs illustrating the University.  | 851         | 25a. Secretary for Lands, Sydney. Series of maps prepared in the Survey Branch.  | 854         |
| 13. University of Sydney, Trustees of Macleay Museum of Natural History. Collection of the insects of New South Wales.   | 851         | 26. Town and Country Journal, Sydney. Picture of the Town and Country Journal and Evening News offices.  | 854         |
| 14. Wrench, J. T., Wallaby Rocks. Oil painting done with the toes.   | 849         | 27. Turner & Henderson, Sydney. a Federal geography of British Australasia.  | 854         |
|  |             | b Municipal directory and local government blue book.  | 852         |
| <b>GROUP 150.</b>  |             |  |             |
| 15. Angus & Robertson, Sydney. Photograph of exhibitor's book store.   | 854         | 34. Commissioners for New South Wales, Sydney. Photographs illustrating the city of Sydney and neighborhood, country towns and typical scenery of the colony, and the defense force. | 851         |
| 16. Australian Brewers' Journal, Sydney. Volume of the journal.  | 854         | 35. Grafton Municipal Council. Photographic view of Grafton.   | 851         |
| 16a. Cadell, F. A., Hamilton. Map of the county of Northumberland.   | 864         | 36. Hoffnung, S., & Co., Sydney. Photograph of warehouses.   | 851         |
| 17. Chief Secretary of New South Wales Sydney. Geographical encyclopaedia of New South Wales.  | 854         | 37. Holden, R. Henry, Kiama. Photographs.  | 851         |
| 20. Commissioners for New South Wales, Sydney. Physical geography and climate of New South Wales (pamphlet), comments on Captain Cook's log, handbook of New South Wales flora and specimens of typewriting.   | 854         | 38. Katoomba Municipal Council, Blue Mountains. Photographic views of Blue mountain scenery.   | 851         |
| 20a. Daily Telegraph Newspaper Co., Sydney. Pen and ink sketches and files.  | 858         | 39. Kitch, G., & Co., Katoomba. Photographic views of the scenery of the Blue mountains.   | 851         |
| 21. Dymock, William, Sydney. Photographs of exhibitor's book arcade.   | 854         | 40. Little, John, Young. Bromide prints of Young.  | 851         |
| 22. Fairfax, John, & Sons, Sydney. Copies and volumes of the Sydney Morning Herald, Mail and Echo, with specimens of stereotyping, colored supplements, drawings, wood-cuts and framed views.  | 858         | 41. Marion & Co., Sydney. Albums of bromide prints of the homes, industries and scenery of New South Wales.  | 851         |
| 22a. Frost, Douglas J., Grafton. Map of the Clarence River.  | 864         | 42. Masonic Hall Co., Ltd., Sydney. Photograph of the Masonic Hall.  | 851         |
|  |             | 43. McArthur, A., & Co., Sydney. Bromide prints of business premises.  | 851         |
|  |             | 44. McFadyen, John, Murrumbidgee. Photographs illustrating the town of Murrumbidgee and neighborhood.  | 851         |
|  |             | 45. Newcastle Municipal Council. Photographs illustrating the town of Newcastle and neighborhood.  | 851         |
|  |             | 46. Newman, J. Hubert, Sydney. Auto-type photographic portraits of public men of the colony.   | 851         |

Engineering, Law, Commerce, Knowledge, Associations, Statistics and Publications.

- |  | Class'n<br>No. | Exhibit<br>No. | Class'n<br>No.  |
|--|----------------|----------------|---|
| range Municipal Council. Photo-<br>hs illustrating the town of Orange<br>neighborhood. | 871            | 64.            | Hyman, Coleman P., Sydney. Loan<br>collection of tokens and early currency of<br>Australia. 897 |
| nith, William E., Sydney. Photo-<br>hs of building and interior of factory.            | 871            | 65.            | Mutual Life Association of Austra-<br>lasia, Sydney. Views of the company's<br>office. 902      |
| dney Municipal Council. Photo-<br>hs of municipal buildings.                           | 871            | 66.            | New Zealand Insurance Co., Sydney.<br>Photographs of the company's office. 902                  |

## GROUP 152.

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|---|-----|
| nt, J. Horbury, Sydney. Architect-<br>es.   | 888 |
| Donald, J. A., Sydney. Improved<br>sion rollers for large bridges.                                      | 880 |
| tyer, C. H., Sydney. Architectural<br>gs.   | 889 |
| pin, Dennehy & Smart, Sydney.<br>ectural drawings for proposed State<br>s, David. Healthy burial reform | 829 |

## GROUP 153.

- |   |     |
|---|-----|
| missioners for New South Wales,<br>the statutes.  | 890 |
| w of New South Wales letters<br>tents.  | 892 |
| son system of New South Wales<br>(mpulet) and photographs of pris-<br>s, police, etc.             | 894 |
| bton, S. H., Sydney. Map, pub-<br>s. postage stamps and photo-<br>illustrating the postal system. | 893 |

## GROUP 154.

- |  |     |
|--|-----|
| alia Mutual Provident Society,<br>Photographs of head offices, etc.                        | 902 |
| alian Joint Stock Bank, Sydney.<br>aphic view of the company's                             | 903 |
| alian Widows' Fund Life Assur-<br>society, Ltd., Sydney. Photograph<br>society's building. | 902 |
| ial Mutual Life Assurance So-<br>l., Sydney. Sketch of the New<br>ales branch.             | 902 |
| ercial Banking Co., Sydney.<br>ph of the company's office.                                 | 903 |
| issioners for New South Wales,<br>ory and progress of New South<br>es.                     | 895 |
| s, coinages and currency of<br>ralia (paraphs).  | 897 |
| ble Life Assurance Society of<br>d States, Sydney. View of new                             | 902 |

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|-----|---|-----|
| 67. | Savings Bank of New South Wales,<br>Sydney. Photograph of bank premises.        | 903 |
| 68. | Sydney Chamber of Commerce,<br>Sydney. Photographs of the Sydney Ex-<br>change. | 901 |

## GROUP 155.

- |     |   |     |
|-----|---|-----|
| 69. | Australian Museum, Trustees of,<br>Sydney. Publications, records and re-<br>ports.  | 909 |
| 70. | Commissioners for New South Wales,<br>Sydney. Catalogue of Australian mam-<br>mals, collection of New South Wales<br>birds and mammals, Australian birds, and<br>photographs.                                   | 909 |
| 71. | Durham, J. B., Sydney. Letters<br>from the late Prince Consort relating to<br>the International Exhibition of 1851.   | 909 |
| 72. | Government Astronomer of New<br>South Wales, Sydney. Series of photo-<br>graphs illustrating the moon, stars, nebulae,<br>etc., and series of publications issued in<br>connection with the Sydney Observatory. | 908 |
| 73. | Kemp, Arthur Percy, West Kempsey.<br>Collection of Australian birds' eggs, nests,<br>and preserved snakes.  | 909 |
| 74. | Maiden, J. H., Sydney. Herbarium<br>(12 vols.) and century of fruits and seeds<br>of New South Wales plants.  | 909 |
| 75. | Royal Geographical Society of Aus-<br>tralia, New South Wales Branch, Syd-<br>ney. Transactions of the society.   | 908 |
| 76. | Watson, A. E., Sydney. Water<br>color drawings of Australian birds.   | 909 |

## GROUP 156.

- |     |   |     |
|-----|---|-----|
| 77. | Commissioners for New South Wales,<br>Sydney. |     |
|     | a Social organizations.                       | 912 |
|     | b Industrial associations.                    | 915 |
|     | c Co-operative associations.                  | 916 |

## GROUP 157.

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|-----|---|-----|
| 78. | Australasian Wesleyan Methodist<br>Missionary Society, Sydney. Reports,<br>etc. | 921 |
|-----|---|-----|

## Music and Musical Instruments—The Theatre.

## GROUP 158.

Exhibit No.	Class'n No.
79. Commissioners for New South Wales, Sydney. Music and the drama in New South Wales (pamphlet).	937-938

Exhibit No.	Class'n No.
80. Drewe, Amelia, Sydney. Album of musical compositions.	926
81. Drewe, Arthur J., Sydney. Masonic musical ritual.	926

## RUSSIA.

LOCATION—GAL. A AND MAIN FLOOR, SEC. I, UNLESS OTHERWISE SPECIFIED.

## Hygiene, Surgical Instruments.

## GROUP 147.

Exhibit No.	Class'n No.
1. Alexandrinsky Children's Asylums in Kazan, Vladimir and Vologda. Samples of manual work and photographs.	831
2. Alexandro Mariinskoye School, Moscow. Samples of manual work and photographs.	831
3. Charitable Establishment of the Princess Scheremetieff, Moscow. Photographs.	831
4. Children's Asylums in St. Petersburg, (Princess Alex. Nicol), St. Petersburg (Baron de Stiegletz) and Irkutsk (Miedvednikoff). Samples of work, plans and photographs.	831
5. Children's Asylums in St. Petersburg (attached to S. Methodias Church), Sumii (Charitonoff's), Kerch (Marius), St. Petersburg (Olganikolayevnoys), Yaroslavl, Perm (Bogoroditzkoy). Samples of work, plans and photographs.	831
6. Children's Asylums in Tomsk, Charkoff, Rostoff, Don, Ekaterinodar (Kuban). Samples of manual work and photographs.	831
7. Children's Hospital of Prince Oldenburg, St. Petersburg. Plans, photographs and publications.	832
8. Emperor Nicholas Orphan Asylum, St. Petersburg. Samples of drawing and penmanship.	831
9. Emperor Paul's Infirmary, St. Petersburg. Photographs.	832
10. Eye Infirmary, St. Petersburg. Charts, historical sketch and tables of sight measuring.	832
11. Fedorovitch, Moscow. Mechanical ventilators.	829
12. Infirmary for Psychopaths, St. Petersburg. Plans, pictures and photographs.	832

Exhibit No.	Class'n No.
12a. Infirmary of Count Orloff Davidoff. Simbirsh accounts, sketches and engravings.	Gal. E, K-105 832
13. Lying-in Homes in St. Petersburg and Moscow. Photographs, plans, statistical tablets and historical sketch in English.	832
14. Mariansky Infirmary for Poor People, St. Petersburg. Photographs.	832
15. Mariinskoye School for the Poor, Moscow. Samples of manual work and photographs.	831
16. Ministry of War, St. Petersburg. Disinfectional camera.	829
17. Moscow's Charitable Society of 1837. Moscow. Samples of copying, drawing and needlework.	831
18. Nadein, St. Petersburg. Apparatus for the disinfection of cities.	829
19. Nicholas Children's Asylums in Tula, Kuzan, Astrachan and Taganrog. Samples of manual work and photographs.	831
19a. Nicholas Orphan Asylum, Moscow. Sketches, samples of work and photographs.	831
20. Rieshetovsky Manual Training School connected with the Children's Asylum, Tvier. Samples of manual work.	831
21. Sophiiskiy Children's Infirmary, Moscow. Photographs.	832
22. St. Nicholas' Asylum, Kolpin. Samples of manual work and photographs.	831
23. Widows' Home, Moscow. Photographs.	831
24. Widows' and Poor Girls' Home, St. Petersburg. Plans, photographs and historical sketch.	831

## GROUP 148.

27. Chrustshoff, St. Petersburg. Dental appliances.	839
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## Education, Literature, Books, Libraries, Journalism.

	Class No.
Davidoff, St. Petersburg. Specimens.	839
Elgin, St. Petersburg. Anatomical or saw.	837

## GROUP 140.

Alexandrinsky Cherepovetzky Technical School, Cherepovetz. Specimens of work.	847
Andt, St. Petersburg. School bench meter.	846
Business College, St. Petersburg. Constitution, sketch and books for instruction.	852
Central School of Technical Drawing, St. Petersburg. Samples of work done by the pupils.	847
Central Statistical Committee of the Ministry of Interior, St. Petersburg. Publications.	853
Drawing School of the Imperial Society for Promoting Art, St. Petersburg. Samples of artistic work.	846
Educational Institutions of the Emancipation.	
Exhibits consisting of pamphlets, plans, photographs, school work of all embroidery, needlework, pictures, from the following establishments:	
Alexandrinsky Orphan Asylum, St. Petersburg.	
Home for Poor Working Women, St. Petersburg.	
Petersburg Woman's Patriotic Society, St. Petersburg.	
Business College, Moscow.	
Petersburg Institute for Deaf, Dumb and Blind, St. Petersburg.	
Imperial St. Petersburg Educational and branches, St. Petersburg.	
Imperial Moscow Educational Home, Moscow.	
Printing Card Factory in connection with Imperial Educational Home, St. Petersburg.	841-842-843-844-847-849
Imperial Alexander's Lyceum, St. Petersburg. Photographs.	851
Imperial St. Petersburg. Bookkeeping sample books.	852
Imperial Women's School. Samples of handwork.	842
Imperial St. Petersburg. Albums of penmanship.	842
Institutes in Tamboff, Melos-Cieff, Nizhni-Novogorod, Kazan, Warsaw, Moscow and St. Petersburg. Samples of work done by the girls, drawings, models, pamphlets and plans of dresses and photographs.	851

Exhibit No.	Class No.
48. Ministry of Public Instruction, St. Petersburg. Books.	853
51. Nicholas School for Girls, St. Petersburg. Photographs.	842
53. Perepelkin, St. Petersburg. Drawings.	846
54. Pick, St. Petersburg. Physical instruments.	845
55. Pletchinsky. Albums of penmanship.	842
57. Practical School of Women's Work of Mme. Agramovoy, St. Petersburg. Samples of work.	843
58. Rafkowskaya, St. Petersburg. Methods of Froebel's system.	841
59. School of Count Orloff Davidoff, Simbirsk. Programmes.	847
60. Technological Institute, St. Petersburg. Collections and specimens of work.	847
62. Women's Colleges in Vitebsk, Vilno, Simbirsk, Dzhitomir, Minsk, Moscow, St. Petersburg and Zarskoye Selo. Samples of work done by the pupils in drawing, penmanship and needlework; historical sketches, statistical tablets and photographs.	851

## GROUP 160.

62a. Altchevskaya, Charkoff, St. Petersburg. Books.	854
62b. Andrieff, St. Petersburg. Books.	854
62c. Benke, M., St. Petersburg. Samples of printed works.	854
62d. Bohnke, A. Books and pamphlets.	854
63. Diéhtiereva, St. Petersburg. Books.	854
63a. Dusterdik, M., St. Petersburg. Album of chromo-lithographic sketches.	854
63b. Fisher, St. Petersburg. Samples of color printing.	854
63c. Fon-Boof, St. Petersburg. Album of chromo-lithographic sketches.	854
63d. Glasenap, St. Petersburg. Photographs and pamphlets of the first mountain observatory in Abastuman.	854
64. Gloukhovsky, A. J. de, St. Petersburg. Maps, photographs and researches made by the expedition for exploring the ancient bed of the river Amu Daria.	854
65. Illin, St. Petersburg. Maps.	854
66. Imperial Russian Technical Society, St. Petersburg.	
a Publications.	854
b Technical journals.	856
67. Klementieff, Tiflis. Relief map of the Caucasus.	854

## Literature, Instruments of Precision, Photography; Music and Musical Instruments.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
68. Krabbe, Sevastopol. Model of St. Petersburg.	864	82a. Fieltz, St. Petersburg. Architectural drawings, etc.	889
68a. Krayss, St. Petersburg. Photo-mechanical productions.	854	83. Schmielieff, Revell. Model of the harbor in Revell.	881
68b. Kroiss, St. Petersburg. Samples of photo-zincography.	854	<b>GROUP 153.</b>	
69. Libovitch, St. Petersburg. Archaeological album.	854	83a. General Administration of Prisons, St. Petersburg. Albums, reports, the Prison Journal and photographs.	894
70. Ministry of Ways and Communications, St. Petersburg. Maps and models.	844	84. Ministry of Posts and Telegraphs, St. Petersburg. Models illustrating the postal service of the Russian empire.	893
70a. Neistube, St. Petersburg. Books.	854	85. Ministry of War, St. Petersburg. Apparatus, instruments, books and drawings.	860
70b. Orient, St. Petersburg. Books.	854	<b>GROUP 155.</b>	
70c. Palanin, St. Petersburg. Engravings.	854	86. Imperial Society for Promotion of Russian commercial navigation, St. Petersburg. Plans and pamphlets.	904
71. Pidsletzky, St. Petersburg. Illustrations of the Trans-Kaspian railway.	864	86a. Warsaw Museum of Trade and Agriculture, Warsaw. Books.	900
71a. Polietvaya, St. Petersburg. Books.	854	<b>GROUP 156.</b>	
71b. Shtadreris-Patting, St. Petersburg. Pictures.	854	87. Society of Pigeon Sport, St. Petersburg. Models.	912
71c. Solovieff, M. T. Chromo-lithographs.	854	<b>GROUP 157.</b>	
71d. Stadler, B. Patinoff, St. Petersburg. Lithographic pictures.	854	88. Society for Propagation of the Faith, (Bible), St. Petersburg.	
71e. Zlatkovsky, St. Petersburg. Books.	854	a System of work, books, etc.	922
<b>GROUP 151.</b>		b Methods of religious instruction.	923
72. Chinichievsky, Poltava. Photographs.	871	<b>GROUP 158.</b>	
73. Dmitrieff. Photographs.	871	88a. Alferacky, St. Petersburg. Music.	926
74. Fisher, Moscow. Photographs.	871	89. Bessel, St. Petersburg. Music.	926
75. Grodzitzky, Radom. Photographs.	871	90. Bieliayeff, St. Petersburg. Music.	926
75a. Lobillieff, St. Petersburg. Photographs.	871	91. Bitepage, Becker, St. Petersburg. Piano.	929
75b. Marks, St. Petersburg. Keepsakes and photographs.	Dept. J 871	91a. Bogayevskaya, St. Petersburg. Music.	926
76. Massaloff, Moscow. Photographs.	871	92. Eberg, Moscow. Pianos and pianinos.	930
77. Milock, St. Petersburg. Optical instruments.	874	92a. Glasunoff, St. Petersburg. Music.	926
78. Ministry of the Navy, St. Petersburg.		93. Glavatch, St. Petersburg. Harmonic piano and concert harmonies.	935
a Geodetic and surveying instruments.	867	94. Hebetner & Wulf, Warsaw. Music.	926
b Leveling instruments.	868	95. Iensterlisheck, Kieff. Wind instruments.	934-935
c Hydrographic surveying.	869	96. Lobareff, St. Petersburg. Harmonica.	935
79. Odner, St. Petersburg. Arithmometer.	865	97. Mulbach, St. Petersburg. Piano.	930
79a. Richter, St. Petersburg. Optical apparatus.	874	98. Pilar von Pilchaw, Baron, St. Petersburg. Appliances for noting musical compositions.	927
80. Solovieff, S., St. Petersburg. Photographs.	871	99. Pobada, St. Petersburg. Music for piano.	926
<b>GROUP 152.</b>			
81. Bielolinbsky, St. Petersburg. Plans of bridges.	880		
82. Fessenko, St. Petersburg. Model of everyday resort.	889		

Music and Musical Instruments.

	Class'n No.
Poulet. Music for piano.	926
Reingardt, St. Petersburg. Pianos.	930
Riba, Moscow. Piano method.	926
Schroder, St. Petersburg. Pianos.	930
Shpanovsky, St. Petersburg. Melodion.	935
Turgeonson, Moscow. Music.	926
Zimmermann, St. Petersburg. Music.	926
Musical instruments.	927-929-931-933

Exhibit No. Exhibits Classed in other Departments but Installed in This.

DEPARTMENT H.

GROUP 91.

Ceramics and Mosaics.

106. Lamansky, A. de, St. Petersburg. Painting on porcelain. 577

SPAIN.

LOCATION-GALLERY A AND MAIN FLOOR A AND B.

Hygiene, Medicine, Education, Literature.

GROUP 147.

	Class'n No.
Martinez Diaz, Esteban, Madrid. Gymnastic apparatus.	825

GROUP 148.

amburo, Viuda de, Madrid. Electro-medical machines.	836
sasnovas, Domingo, Palma de Mallorca. Sets of artificial teeth, etc.	839
usolles, Jose, Barcelona. Suspension etc.	834
go, Doroteo de, Valladolid. Dental logical models.	839
er, Bernardo. Inhalers.	837
rtin, Ramon, Malaga. Operating and clamps.	837
lero, Francisco, Villarramiel. Orthopedic splints.	838
sca, Francisco, Oviedo. Splints for deformed feet.	838

GROUP 149.

lreu, Jose, Tarragona. Arithmetical tables, rules for writing: Sacred His- roper way to read.	842
mburu, Ricardo, Sevilla. Photo- graphical apparatus.	846
ciacion Para la Ensenanza de la Madrid. Statistics of work done.	852
tolome de Mingo, Eugenio, Madrid. reader.	842
bran, Buenaventura, Barcelona. copic copy of Emilio Castelar's of October. 22, 1888.	852
tehsch, A. & C., Barcelona. Art objects.	846

Exhibit No.	Class'n No.
16. Colegio Nacional de Sordo-Mudos y de Ciegos, Madrid. Complete collection of all the scientific appliances used in teaching the deaf mutes and the blind, and samples of work executed by the scholars of the school.	849
17. Criado, Manuel, Madrid. Drawing method.	847
18. Escuela Nacional de Musica y Declamacion, Madrid. Statistics of the history of the school.	852
19. Escuela Normal Central de Maestras de Primera Ensenanza, Madrid. Work done by scholars.	852.
20. Gonzalvo, Pablo, Madrid. Plates for an unpublished work on the teaching of perspective.	846
21. Huelves, Joaquin, Madrid. Catechism on the moral nature.	842
22. Just, Francisco, Alicante. Drawing method for the blind.	849
23. Martinez, Faustino, Jerez de la Frontera. Microscopic work.	852
25. Naveran, Onofre Antonio de, Guernica. Class register. Infant's poetical album.	842
26. Perez Sierra, Vicente, Palencia. Spanish syllabic fan.	842
27. Pichardo, Antonio, Sevilla. Reports on the Provincial Deaf, Mute and Blind Institute.	849

GROUP 150.

29. Aguas, Mariano, Badajoz. Elementary natural history.	854
30. Alvarez, Juan, Bilbao. Guide to French language.	855

## Literature, Books, Libraries, Journalism, Photography.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
37. <b>Amador, Mariano, Vitorio.</b> Elements of psychology, logic and moral philosophy. 854		63. <b>Madirolas, Ramon, Vich, La Comarca Leal.</b> 854	
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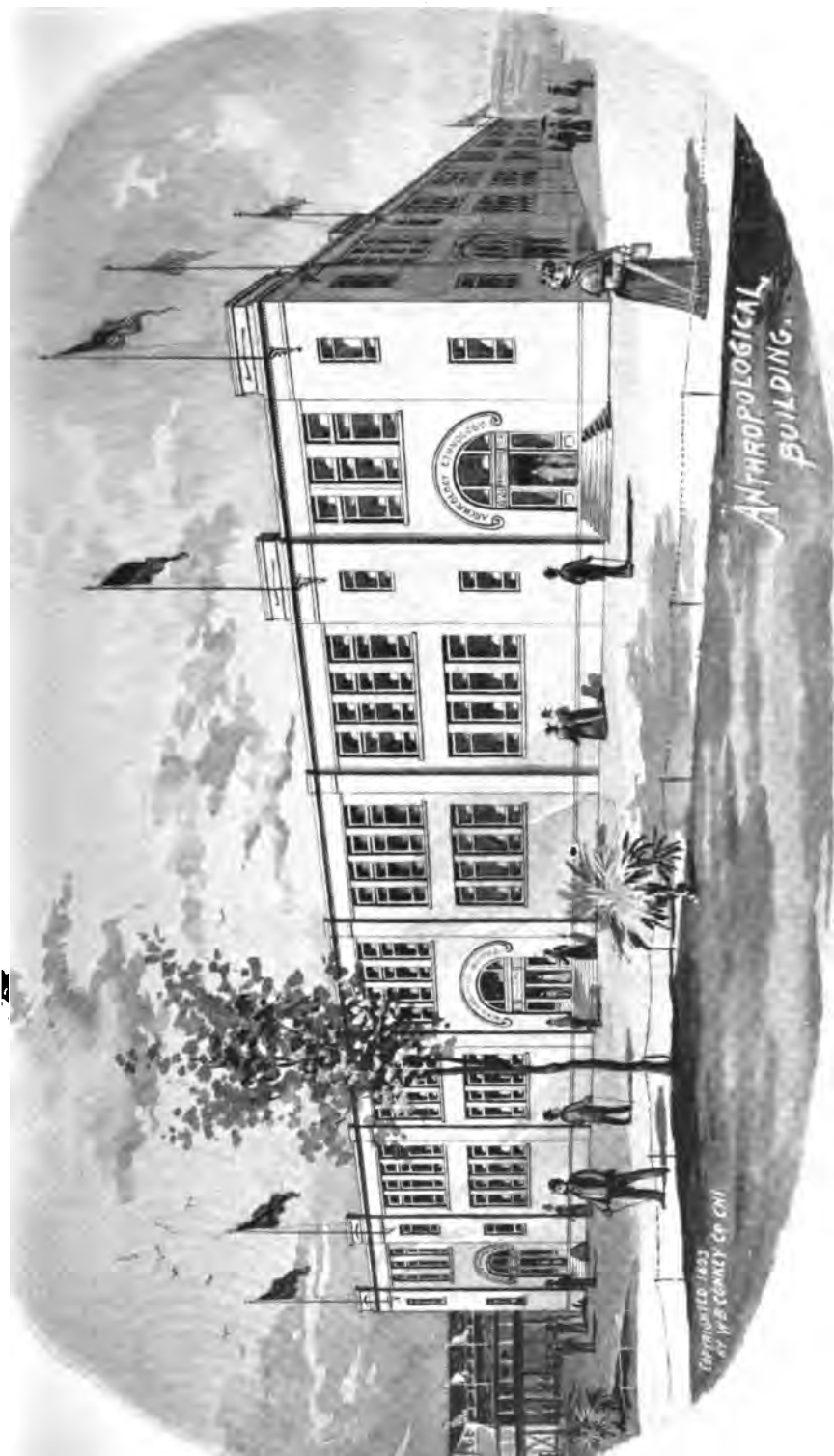
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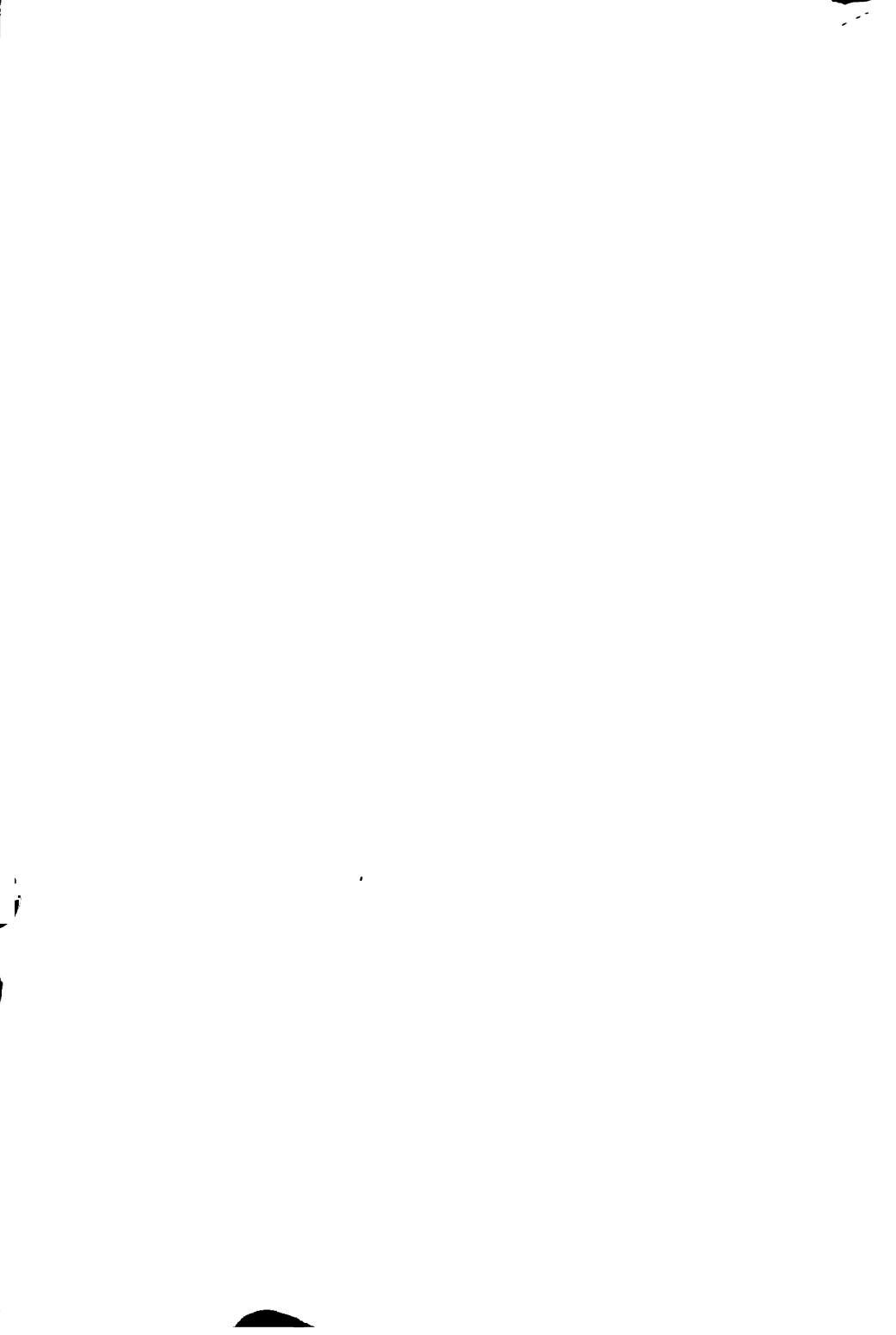
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# WORLD'S COLUMBIAN EXPOSITION

• 1893

## OFFICIAL CATALOGUE

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### PART XII.

ANTHROPOLOGICAL BUILDING

MIDWAY PLAISANCE

AND ISOLATED EXHIBITS

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### DEPARTMENT M. ETHNOLOGY

Archæology, Physical Anthropology, History,  
Natural History,  
Isolated and Collective Exhibits.

F. W. PUTNAM, CHIEF

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EDITED BY

THE DEPARTMENT OF PUBLICITY AND PROMOTION

M. P. HANDY, CHIEF

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CHICAGO:  
W. B. CONKEY COMPANY, PUBLISHERS  
TO THE  
WORLD'S COLUMBIAN EXPOSITION,  
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## INDEX.

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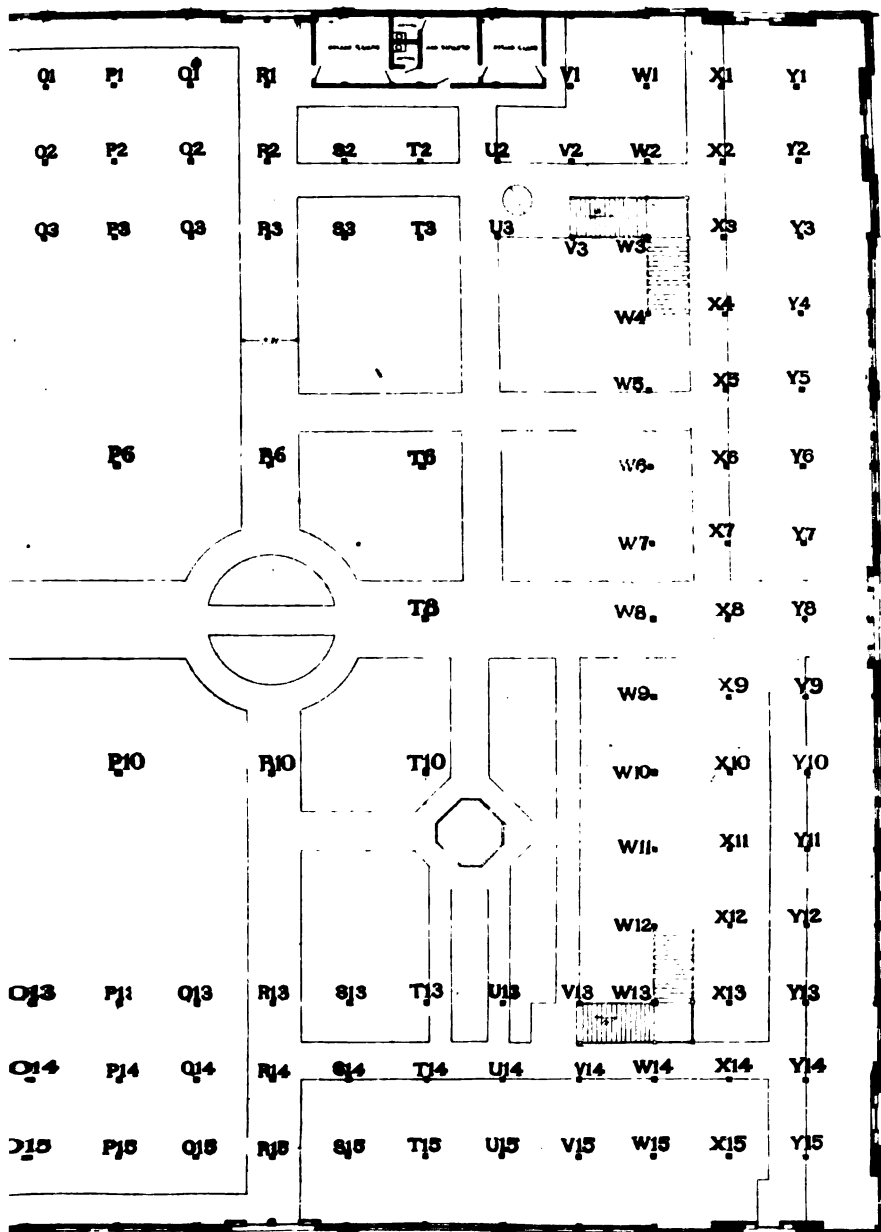
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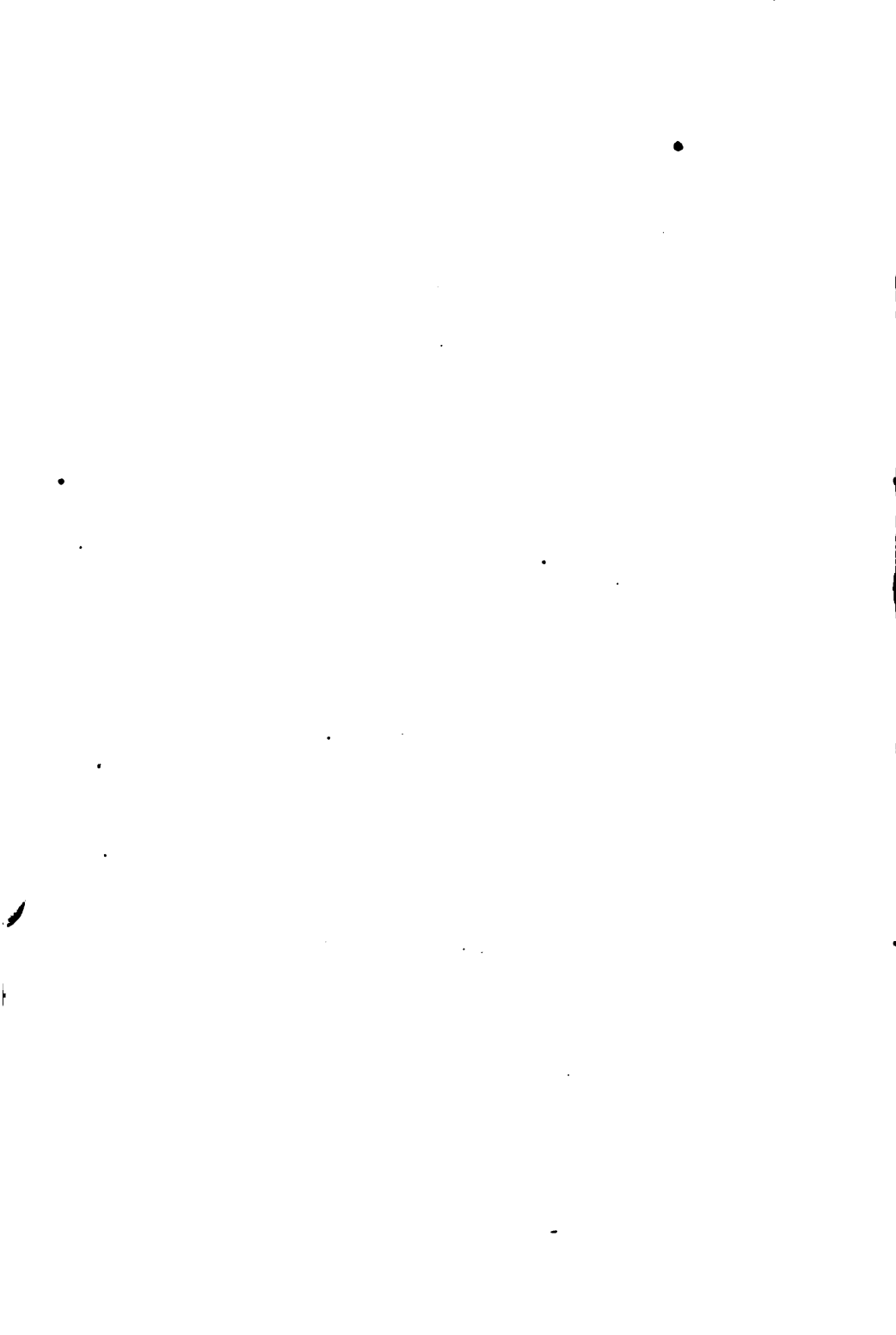
## KEY TO INSTALLATION.

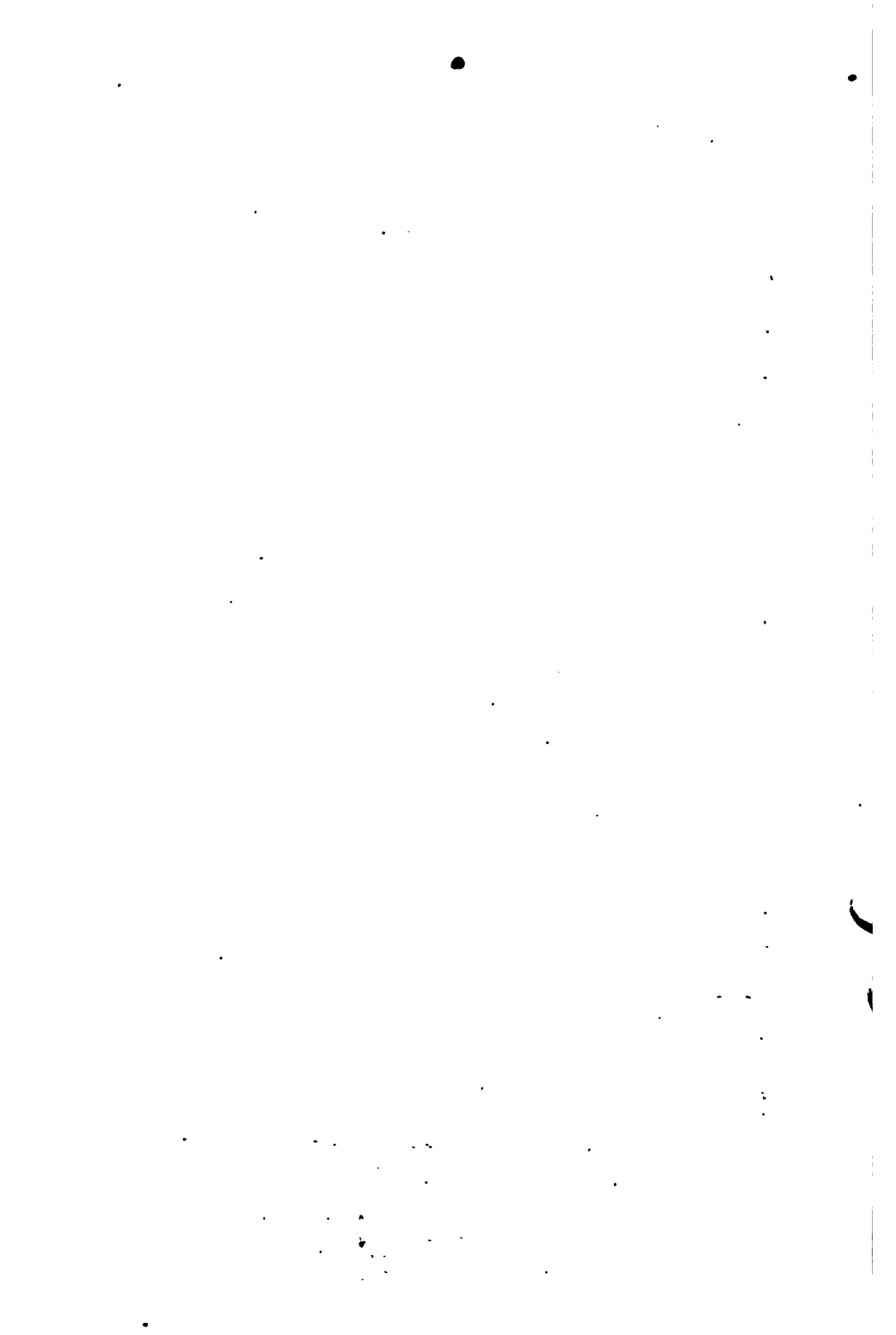
he Department of Ethnology occupies all the space in the Anthropological Building Sections E and F in the south end of the main floor. These sections are occupied by two divisions of the Liberal Arts Department—the Bureau of Hygiene and Medicine and the Bureau of Charities and Correction. The sections on the main floor are from A to F, and the columns on the main floor and in the galleries are lettered A-Y, north to south, and numbered from 1 to 15, east to west. The letter and number marking an exhibit in the catalogue mark the column nearest to the exhibit. The sign J-6 indicates that the exhibit is near the column J-6.





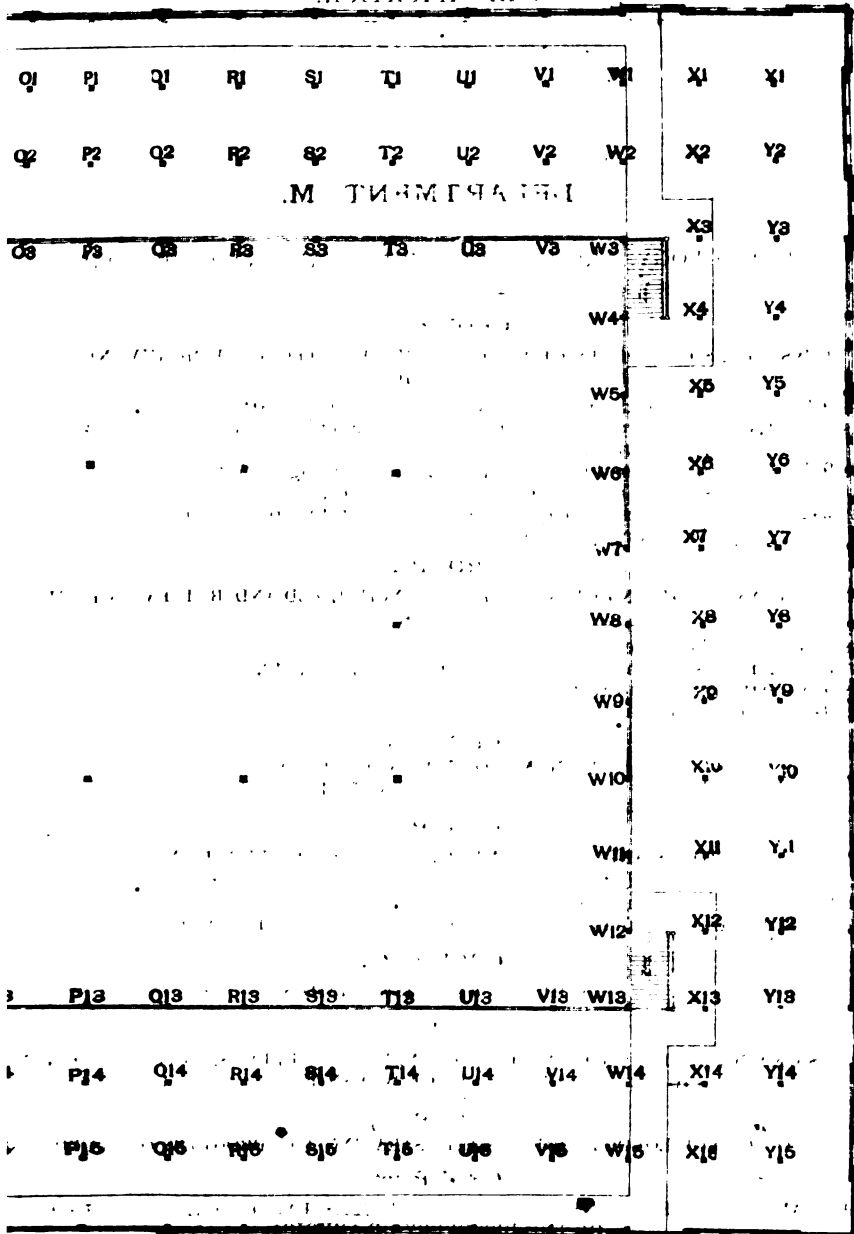
FIRST FLOOR PLAN  
ANTHROPOLOGICAL BUILDING,  
WORLD'S COLUMBIAN EXPOSITION.







CLASSIFICATION



GALLERY FLOOR PLAN  
ANTHROPOLOGICAL BUILDING.

WORLD'S COLUMBIAN EXPOSITION.

THE BUILDING WAS DESIGNED BY THE ARCHITECTS OF THE WORLD'S COLUMBIAN EXPOSITION.

## DEPARTMENT M.

### ETHNOLOGY, ARCHÆOLOGY, PHYSICAL ANTHROPOLOGY.

#### GROUP 159.

##### VIEWS, PLANS OR MODELS OF PREHISTORIC ARCHITECTURAL MONUMENTS AND HABITATIONS.

- Class 939. Caves—natural, artificial; dwellings, natural and artificial.
- Class 940. Lacustrine dwellings—dolmens, tumuli, menhirs, cromlechs, alignments, cup-stones, graves, cists, crematories.
- Class 941. Cliff and other dwellings—models of dwellings, shelters, skin lodges, yourts, huts (of bark, grass, etc.), wooden houses.
- Class 942. Appurtenances—sweat-houses (models), totem-posts (originals and models), gable ornaments, locks.

#### GROUP 160.

##### FURNITURE AND CLOTHING OF ABORIGINAL, UNCIVILIZED AND BUT PARTLY CIVILIZED RACES.

- Class 943. Household utensils and furniture.
- Class 944. Articles serving in the use of narcotics—pipes, etc.
- Class 945. Articles used in transportation.
- Class 946. Clothing and adornment.

#### GROUP 161.

##### IMPLEMENTS OF WAR AND THE CHASE.

(See also Groups 86 and 113.)

#### GROUP 162.

##### TOOLS AND IMPLEMENTS OF INDUSTRIAL OPERATIONS.

- Class 947. Gathering and storing food other than game—water vessels.
- Class 948. Articles used in cooking and eating.
- Class 949. Apparatus of making clothing and ornaments, and of weaving.

#### GROUP 163.

##### ATHLETIC EXERCISES—GAMES.

#### GROUP 164.

##### OBJECTS OF SPIRITUAL SIGNIFICANCE AND VENERATION—REPRESENTATIONS OF DEITIES—APPLIANCES OF WORSHIP.

#### GROUP 165.

##### HISTORIC ARCHÆOLOGY—OBJECTS ILLUSTRATING THE PROGRESS OF NATIONS.

#### GROUP 166.

##### MODELS AND REPRESENTATIONS OF ANCIENT VESSELS, PARTICULARLY OF THE PERIOD OF THE DISCOVERY OF AMERICA.

#### GROUP 167.

##### REPRODUCTIONS OF ANCIENT MAPS, CHARTS, AND APPARATUS OF NAVIGATION.

- Class 950. Charts and maps of the world anterior to the voyage of Columbus.
- Class 951. Charts and maps following the discovery.
- Class 952. Charts and maps of the period of the early colonization of America.
- Class 953. Charts and maps of America and the world at the period of the Revolution.

**GROUP 168.**

**PLANS AND REPRESENTATIONS OF ANCIENT BUILDINGS, CITIES OR MONUMENTS OF THE HISTORIC PERIOD ANTERIOR TO THE DISCOVERY OF AMERICA.**

**GROUP 169.**

**PLANS AND REPRESENTATIONS OF HABITATIONS AND DWELLINGS BUILT SINCE THE DISCOVERY OF AMERICA.**

**GROUP 170.**

**ORIGINALS, COPIES, OR MODELS, OR GRAPHIC REPRESENTATIONS OF NOTABLE INVENTIONS.**

**GROUP 171.**

**PICTURES ILLUSTRATING GENERALLY THE PROGRESS OF THE AMELIORATION OF THE CONDITIONS OF LIFE AND LABOR.**

- 54. The evolution of the dwelling and its furniture.
- 55. The evolution of the plow and other implements of the farm and garden.
- 56. Evolution of tools—the ax, saw, and other implements of handicraft.
- 57. Labor-saving machines and their effects.

**GROUP 172.**

**WOMAN'S WORK.**

**GROUP 173.**

**STATE, NATIONAL, AND FOREIGN GOVERNMENT EXHIBITS.**

**GROUP 174.**

**THE NORTH AMERICAN INDIAN.**

- 3. Special monographic exhibit of the tribes of America.
- 4. Villages or families of various tribes engaged in their native occupations.
- 5. Specimens of their special work and industries. Collections of Indian "trinkets" or curiosities.
- 6. Books or papers, written or printed, in his native tongue.
- 7. Means and methods of communication between tribes by "sign" language and and "picture letters," etc. Status of females under tribal regulations.
- 8. Treaties and acquisition of territory from the various tribes, and how obtained.
- 9. Progress of Indian civilization through the efforts of the Government, missionaries, or by his own efforts and choice. His industrial pursuits and capabilities, as exemplified in the shop, on the farm and in the school-room. Inventions, etc.
- 10. Music. The "Columbian Indian Band," consisting of sixty or more instruments.
- 11. The allotment of lands to families and individuals, and its effects.
- 12. The Indian as an American citizen.
- 13. The hope of the Indian.
- 14. Other attainments and industries not specially mentioned. (For treatment of Indians, reservations, etc., see Class 831, also special Indian schools, see Class 348.)

**GROUP 175.**

**8. BUSTS AND STATUES OF GREAT INVENTORS, AND OTHERS WHO HAVE CONTRIBUTED LARGELY TO THE PROGRESS OF CIVILIZATION AND THE WELL-BEING OF MAN.**

**GROUP 176.**

**ISOLATED AND COLLECTIVE EXHIBITS.**

**The Latin-American Bureau.**

## How to Find Exhibitors and Their Exhibits.

The list of exhibitors from the United States and those foreign countries whose exhibits are incorporated in this section, will be found in the first portion of this Catalogue, the foreign countries with their exhibits installed in the Anthropological Building following in alphabetical order. Each country or section has its exhibits numbered consecutively, and as far as practicable each exhibit has a card attached to it bearing the name of the country or section and the words "Official Catalogue Number," and that number corresponds with the number in this Catalogue. For example, if a card is found with the following matter thereon:

Department M.                      Ethnology.

Section of Archæology.

Official Catalogue Number 8

the visitor will turn to 8 in the Section of Archæology in the Catalogue, where will be found the following entry:

8. De Potter, Armand, Albany, N. Y.

Egyptian antiquities.                      N-10

It may be that the visitor's attention is first directed to the Catalogue and he may be desirous of finding this exhibit. The first thing he should do is to see what the location is. That being N-10 he will refer to the Key to Installation, which states that in the Anthropological Building the columns extending north and south are lettered from "A" to "Y," and those extending east and west are numbered from 1 to 15. By this system, each exhibit on the main floor or the gallery has a position of longitude and latitude. The exhibit, therefore, of Armand De Potter will be found on the main floor in close proximity to the column bearing the letter "N" and figure "10."

This rule applies to every exhibit in the Anthropological Building, whatever its character may be, and by following the above plan the visitor will experience no difficulty in locating the exhibitor or his exhibit.

No attention should be paid to any numbers which may be affixed to exhibits except those appearing on cards in the form given above.

## PREFACE.

---

This Department, although generally known as that of Ethnology, includes the several groups of Ethnology, Archæology, Anthropological Laboratory History and Natural History, of which the general exhibits are in the Anthropological Building; also, the Latin American exhibit, the special exhibit of the relics of the time of Columbus, arranged in the Convent of La Rabida; the reproduction of the Ancient Ruins of Yucatan, immediately adjacent to the Anthropological Building and the Ethnographical exhibition of the native peoples of America, who are living in their native habitations on a stretch of land along the eastern side of the South Pond, between the Anthropological Building and the Indian school-house. Just north of the Indian school-house is the Convent of La Rabida, and north of the Dairy Building is the log house of pioneer times, which belongs to the historical collection of the department.

When it became necessary to have more space for the section of education in the Manufactures and Liberal Arts Building, the Ethnological Building was assigned to a new building, and the space it was to have occupied in the Manufactures Building was given to the Department of Liberal Arts. The Anthropological Building was thus the last of the Exhibition buildings to be constructed, and was not completed until the middle of 1893. The building is 415 feet long and 255 feet wide, with a gallery 48 feet wide on all four sides. Thirty thousand square feet on the southern end of the floor is given up to the sections of Hygiene and Sanitation and Prisons and Correction, belonging to the Department of Liberal Arts. The remainder of the floor is occupied by Archæological and Ethnological exhibits of several foreign countries, of State boards and of individuals, and collections made by the assistants of the department who were sent to various parts of North, Central and South America to make special examinations and researches under the direction of the chief of the department.

Entering the building through the main door on the northern end, there is seen near the entrance several small collections illustrating certain points in the archæology and ancient art of Assyria, Egypt and Rome, and down the main aisle the exhibit by the government of Greece, supported by collections from the Chicago Art Museum. This Grecian exhibit is made the central group in the hall. Beyond the Greek court are groups of objects from the museums of Vienna and Berlin, the Egyptian exhibit of Armand de Potter and the Japanese exhibit. Passing on from these exhibits along the western side of the building are exhibits from Asia and Africa and from the Pacific Islands. Following the side aisle northward is the large and interesting government exhibit.

hibit from New South Wales, followed by a collective exhibit from the Pacific Islands. Then come the collective exhibits of Dyer and Ayer, which lead to the special collections made by the department, illustrating the ethnology of the northwestern coast of America, the Queen Charlotte's Island, Vancouver, etc. Of particular interest here is the complete model of the village of Skidegate, with all its houses and totem poles. Crossing the aisle to the south, the next division is that which contains several collections illustrating the habits and customs of various tribes of North American Indians. On the left or east side of the main aisle are the archaeological and ethnological collections, forming the Canadian exhibit and the Logan collective exhibit. Southward, along the eastern side of the building, are the state collections of Ohio, Missouri and Colorado, and various other exhibits, including special collections from New Mexico, Colorado, Wisconsin, Michigan, Illinois, Indiana, Tennessee, Arkansas and Florida and the collections from the Ohio and the Delaware valleys made by the department. Then come the important exhibits from Mexico, from Costa Rica and from the several republics of Central America. In these exhibits are some of the most interesting objects in the building, particularly those forming the Charnay, the Peabody Museum and the Berlin Museum exhibits. The collection here brought together of these singular sculptures and tablets of photographs has never been equaled, and it affords the student the opportunity for comparison with comparative study of this remarkable collection of American culture. Following these exhibits are those from South America, which include the collections secured from the extensive expedition of the department to Ecuador, Chile, Peru and Bolivia, illustrating the habits and customs of the ancient people of those countries and the present tribes of the interior. The ethnological collections here reproduced in a realistic manner, the most interesting ethnological exhibits sent by the various states of Central America and Brazil, illustrating the habits and customs of the tribes and raising to the west of the Mexican collections, the collections from South America, including the collections from the department and the Montes collection. On the wall are the charts by Zelia Nuttall illustrating the ancient Mexican calendar and a collection of ancient Mexican manuscripts.

The building is divided into three main sections, stretching across the main aisle. The section on the left contains the section of Folklore and Ethnology. The section to the right contains the section of Archaeology and the section of Geology. The section of Folklore and Ethnology contains the collection illustrative of the habits and customs of the various tribes of the United States.

The section of Archaeology contains the collections of the department and the offices of the department. The section of Geology contains the collections of the department and a committee room on the second floor. The section of Folklore and Ethnology contains the whole northern section of the building. The section of Archaeology contains the section of the Anthropological Laboratories. Here are the collections of the department and the collections received from the more than twenty universities in this country. The section of Geology contains the section of the geological series of apparatus made by the department and the collections of the department in Europe and in this country. The section of Folklore and Ethnology contains the section of the three sections—Physical An-

ology, Neurology and Psychology. In these laboratories the practical working of the apparatus is shown, and any one who wishes can have various tests applied, and can be measured and recorded upon cards, which are given to the subject upon the payment of a small fee, while the record is made upon the charts and tables hanging on the walls of the laboratory illustrate the various subjects. Here, too, is a series of skulls and skeletons and various models showing the physical characteristics of the various races and varieties of man. An interesting series of charts in the Physical Anthropological section is that illustrating the development of over 50,000 school children in various cities of North America. Another series of diagrams and maps shows the physical characteristics of the Indians of North America, as derived from measurements and observations upon 17,000 Indians, recorded by about seventy-five assistants of the department, who were engaged for nearly two years in this work. One of the alcoves is devoted to the Sargent models of the typical man and woman and the anthropometrical work illustrating physical development. Another alcove is devoted to the Anthropological Library formed by the department, and on the walls are the plans and photographs of several of the principal Anthropological Museums.

On the western gallery are the several historical collections, containing many interesting objects, among which is the exhibit by the state of Ohio. There, also, are the exhibits of postage stamps and coins.

Extending the whole length of the southern gallery is the exhibit of the State's Natural Science Establishment of Rochester, New York. This is a perfect museum of natural history, and in it one sees all forms of animal life from the sponges to man, all admirably classified and arranged.

In the galleries are many exhibits of natural history and taxidermy. Particularly noticeable are those of the province of Ontario and the states of New York, Maine, Pennsylvania, Ohio, Colorado, North Dakota and Brazil. These exhibits include mammals, birds, bird's nests, reptiles, shells, insects and fossils. A special exhibit is that of the fossil footprints from Carson.

The exhibit of the Agassiz Association is on the gallery and gives an interesting illustration of the work and high aims of this important association in increasing the love for natural history studies.



# DEPARTMENT M.--ETHNOLOGY.

## Section of Archæology.

Exhibits in this Section are on the Main Floor of the Building.

er, E. E., Chicago. Mexican idols, implements, obsidian implements, tone pots, mortars and implements California and Colorado. A-9

nett, Charles H., Chicago. Section of Pipestone quarries, Pipestone, B-8

zil, Official Exhibit. Pottery and objects illustrating the archæology of Arizona. L-6

orado State Exhibit. Mummies, implements, weapons, etc., illustrating the life and customs of the ancient dwellers. I-3

Costa Rica, Official Exhibit. Large collection illustrating the archæology and history of Costa Rica and other portions of South America; large paintings depicting the natives and their habits; collection of pottery, implements, utensils, weapons, etc., from ancient graves in Costa Rica. P-6

Department Exhibits, out-of-door, under the direction of F. W. Putman, Chief of the Department. Fac-similes of portions of ancient Yucatan ruins, the moulds for which were taken by E. H. Thompson, as follows: "The Portal" from the central structure of a group of ruins at Labna.

"Straight Arch" of Uxmal from the facade of the so-called House of the Sorcerer, ruins of Uxmal.

The famous facade of the "Serpent" ruins of Uxmal.

A section, north wing, "House of the Sun," ruins of Uxmal.

A section, east wing, "House of the Sun," ruins of Uxmal.

A section, east corner, east wing, "House of the Sun," ruins of Uxmal.

A monolith and several sculptured

Department Exhibits. Collections removed from explorations made under the direction of F. W. Putnam, Chief of the Department, as follows: C. L. Metz in

### Exhibit No.

Ohio; W. K. Moorehead in Ohio; H. I. Smith in Ohio; M. H. Saville in Ohio; Allan Cook in Ohio; G. A. Dorsey in Ohio; Ernest Volk in Delaware Valley; C. C. Willoughby in Maine; Zelia Nuttall in Mexico; Peabody Museum in Honduras; J. G. Owens in Guatemala; G. A. Dorsey in Peru, Island of La Plata, Chili and Bolivia; E. H. Thompson in Yucatan; F. A. Ober, West Indies; W. E. Safford, Peru; Stephen Bowers, South California. Relief models of Serpent Mound Park, Fort Hill, Turner group and Clark (or Hopewell) group of earth works, Ohio.

8. De Potter, Armand, Albany, N. Y. Egyptian antiquities. N-10

9. France (Minister of Public Instruction). Casts of sculptures and hieroglyphs from the ancient ruins of Central America, from moulds taken by Désiré Charnay. Q-8

10. Golson, E. S., Saginaw, Mich. Copper celt and awl; bone implements and a cache of implements from Saginaw, Mich. C-8

11. Graf, Theodor. Ancient Greek portraits, from 200 B. C. to 250 A. D. from tombs in Fayum, Egypt. Q-14

(Other portraits belonging to this exhibit are in "Old Vienna.")

12. Great Britain, Official Exhibit. Forty large photographs of ancient structures in Guatemala, Honduras, Chiapas and Yucatan, Central America, taken by A. P. Maudslay during his explorations in that country. N-3

13. Greece, Official Exhibit. Large collection of sculptures, illustrating different periods of ancient Greek art. J-10

14. Green, C. H., Chicago. Cliff Dweller relics from Colorado, Utah, New Mexico and Arizona. H-6

15. Hales, Henry, Ridgewood, N. J. Ancient Pueblo pottery from New Mexico. H

Exhibit  
No.

16. Honduras, Official Exhibit. Collection of sculptures from ancient ruins of Copan. O-1
17. Hayssen, H. H., New Holstein, Wis. Stone implements, etc. J-6
18. Indiana State Exhibit. Archaeology of Indiana. By W. W. Borden and Green. C-5
19. Ingraham, D. P., Almira, N. Y. Pottery vessels taken from a mound in Yucatan. N-1
20. Japan, Official Exhibit. Collection from the Imperial Museum and the College of Science of Tokyo, Japan. N-10
21. Johnson, H. L., Nashville, Tenn. Stone implements, etc., from Kentucky and Tennessee. F-6
22. Kamensky, Theodore, Chicago. Collection from shell-heaps of Florida. F-3
23. Knowlton, J. E., Damariscotta, Me. Collections from the shell-heaps of Damariscotta, Me. C-7
24. K. K. Naturhistorisches Hofmuseum, Vienna, Austria. Archaeological specimens from Austria. N-10
25. K. Museum für Völkerkunde, Berlin, Germany. Antiquities of Central America. P-1
26. Linton, Mrs. Elvina, Paris, France. An Antique Roman statue. N-10
27. Logan, F. G., Chicago. Stone implements, pottery, etc., from California and other places; collected by H. N. Rust. A-7
28. Lumholtz, Carl. Human skulls, pottery and other objects from ancient burial places in Northern Mexico. Gal. F-3
29. Mexico, Official Exhibit. Collections illustrating the antiquities of Mexico. P-10
30. Missouri State Exhibit. Historical Society exhibitor, under direction of W. J. Sewer. Large collection of stone implements from Missouri. F-3
31. Montes, Emilio. Large collection of pottery, wooden vessels, ornaments, gold, silver and copper and stone objects, implements, etc., from the Cusco Valley, Peru, illustrating the time of the Incas. M-13
32. Museum für Völkerkunde, Leipzig. Plans of buildings and halls.
33. North, Ludlow F., Green Bay, Wis. Bone and copper implements from Wisconsin. H-6
34. Nuttall, Zelia, Dresden, Germany. Mexican collection, consisting of charts illustrating her restoration of the ancient

Exhibit  
No.

- Mexican calendar system; painted shields; photographic reproduction of a portion of Sahagun's Ms. K-13
35. Ohio State Exhibit. Maps, drawings of earth works, stone implements, ornaments, etc., illustrating the archaeology of Ohio. E-3
36. Ontario, Canada, Official Exhibit. Archaeology of Ontario. B-7
37. Peabody Museum of American Archaeology and Ethnology, Cambridge, Mass. Skulls and skeletons; collection from Penobscot Valley; collection of casts and photographs from Honduras and Yucatan.  
(See also Harvard University exhibit in Dept. of Liberal Arts for illustration of the museum methods of exploration.)
38. Peralta, Jose A. Collection from Colombia, S. A., comprising gold and silver images and ornaments; stone objects and ancient pottery. M-1
39. Phillips, W. P., Evanston, Ill. Collection illustrating methods of stone chipping. H-6
40. Riggs, C. W., Chicago. Pottery and stone implements, etc., from the St. Francis Valley, Arkansas. F-6
41. Rosbach Water Co., Hamburg, Germany. Ancient pottery, flint knife and horseshoe from excavations near Rosbach Spring.
42. Seler, D., Germany. Photographs of Mexican antiquities.
43. Smith, H. I., Saginaw, Mich. Implements, ornaments, etc., from the surface of village sites; caches of stone implements from the Saginaw valley, Michigan. C-6
44. Stübel, A., Dresden, Germany. Casts of antiquities from Peru. N-14
45. Tisdell, W. P., Washington, D. C. Collection of pottery, gold and silver objects, etc., from Colombia, South America, owned by Captain Harris.
46. Wankel, H., Olmutz, Austria. Prehistoric collection from Moravia; skull and bones of the cave bear. N-10
47. Williams, E. H., Bristol, Conn. Stone implements from an ancient habitation site in Bristol. B-5
48. Wisconsin Historical Society, Madison. Copper and stone implements; tablets showing outlines of typical effigy mounds; model of group of effigy mounds. H-6 and F-6
49. Wyman Brothers, Chicago. Copper and stone implements, pottery, etc., from Wisconsin, Illinois and Missouri. H-6

## Section of Ethnology.

Exhibits in this Section are on the Main Floor of the Building.

it

**Argentine Republic.** Official exhibit the Museum of La Plata.

**Armand, Père.** Collection from Nova Scotia.

**Ayer, E. E., Chicago.** Ethnological sections from various Indian tribes of the America, including a large collection of baskets, bead work, costumes and ornaments. A-9

**Boas, Mrs. Franz, Chicago.** Collections of ethnological material from British Columbia and Baffin Land. H-10

**Brazil, Official Exhibit.** Ethnology of native peoples of Brazil. L-6

**British Guiana, Official Exhibit.** Collection illustrating the ethnology of British Guiana. L-6

**Brooks, James, Fort Wingate, N. M.** Frames of Indian photographs. North Gal.

**Cherry, W. S.** Ethnological collection from the Congo Basin, Africa. N-14

**Hittenden, Newton W., British Columbia.** Ethnological collection from British Columbia. H-10

**Avenport, C. L., Reynolds, Ill.** Collection from Western and Central America; household utensils, ornaments, and musical instruments, etc. L-15

**Department exhibits.** Collections made for the World's Columbian Exposition under the direction of F. W. Putnam, of the Department, as follows: R.

**Barry, in Greenland; R. G. Tabor, in Labrador; James Deans, in Queen Charlotte Islands, B. C.; Phillip Jacobsen, in Coosha, B. C.; George Hunt, in Fort St. B. C.; J. G. Swan, in Neah Bay, Washington; Myron Eells, at Puget Sound, Washington; L. L. Bush, at Shoal Bay, Washington; Isaac Cowie, in Saskatchewan valley; John McInnes, in Alberta; A. R. Tisdale, in Nova Scotia; E. F. Wilson, in Canada; Alice C. Her, among Nez Perce, Omaha and Cheyenne; James Stewart, among Nez Perce; F. A. Ober, among Caribs of the Indies; Roger Welles, on the coast; W. E. Safford, in Peru and Bolivia; Otto Finsch, in Pacific Islands; D. Bertollette, Upper Paraguay, South**

Exhibit No.

**America; T. F. Holgate, among the Mohawks; G. A. Dorsey, in Peru and Bolivia; F. Conger Smith, among the Sioux; G. M. West, in Nova Scotia and New Brunswick; M. O. Cherry, in Yucatan river-valley; Frederic Starr, among the Cherokees; A. T. Watt and Hugh Watt, in British Columbia; T. E. Adams, in Montana; T. L. Bolton, in Idaho; W. C. Hamilton, in South Carolina; G. A. Kaven, among the Sioux; W. H. Wilson, in Indian Territory; H. B. Montague, in Minnesota; Maxwell Riddle, in Wisconsin; T. P. Hall, in Ontario; H. W. Ruoff, in Michigan; Sheldon Jackson, in Alaska and Siberia.**

**60. Dyer, D. B., Kansas City, Mo. A** general collection illustrating the customs and costumes of the North American Indians. A-15

**61. Fletcher, Alice C., Washington, D. C.** An exhibit of her work on Indian music which embodies the results of ten years' investigation.

**62. Fletcher, Alice C., and La Flesch, Francis.** The Omaha pipes of friendship. Q-14

**63. Grabill, John H., Chicago.** Collection of portraits of Indians, with photographs of Indians and Indian life. North Gal.

**64. Haupt, Herman, Jr., Chicago.** Customs and costumes of North American Indians. I-13

**65. Henderson, Mrs. Alice Palmer, Minneapolis, Minn.** Customs and costumes of Alaskan tribes. H-10

**66. Johnstone, R. S.** Specimens of grass cloth from West Africa.

**67. Kinney, Mrs. Louise Catlin, New York.** Twenty-eight pictures of Indian life by George Catlin, the famous painter of American Indians fifty years ago. Gal. B-12

**68. K. K. Naturhistorisches, Hofmuseum, Vienna, Austria.** Polynesian collections consisting of weapons, implements, ornaments, etc., musical instruments from India; weapons from the Sunda Isles; general ethnological collection from Central Africa.

Exhibit  
No.

69. **Library of Department.** Books and pamphlets relating to all sections of anthropology. The current anthropological journals, several hundred volumes and pamphlets contributed by institutions, publishers and individuals. Arranged for reference on the North Gallery.
70. **Lawrence, G. A. (for T. E. Adams),** Jocko, Mont. Customs and costumes of Flathead Indians. F-10
71. **Lingle, S. B., Chicago.** Collection of weapons, utensils, ornaments, etc., from the Congo river and the interior of Africa. L-13
72. **Lumholtz, Carl.** Objects from the Sierra Madre of Northern Mexico. Gal. F-4
73. **McMillan, J., Chicago.** Implements, weapons, ornaments, pottery and musical instruments of various tribes of the central coast of Africa.
74. **New South Wales, Official Exhibit.** Collection of costumes, weapons and manufactures of natives of New South Wales. H-13
75. **Paraguay, Official Exhibit.** Collection of implements, weapons, costumes and

Exhibit  
No.

- manufactures of the native tribes of Paraguay and neighboring countries. N-6
76. **Peace, J. G., Noumea, New Caledonia.** French colonies' exhibit of ethnological material from New Caledonia and other Pacific islands. C-12
77. **Putnam, Mrs. Esther O., Cambridge,** Mass. Collection of Jade implements and ornaments, native cloth, etc., from New Zealand.
78. **Remenyi, E., La Grange, Ill.** Arms, sceptres, royal insignia and ornaments, of the Zulu; silver, ivory and horn ornaments; silk and feather royal mantles of Madagascar. M-14
79. **Shurtleff, Harvey, Chicago.** Indian garments from Alaska.
80. **Stafford, E. O., Marquette, Mich.** Ethnological collection from Alaska.
81. **Wake, C. S., Chicago.** Ethnological and archaeological photographs in albums and cases. Gal. B-2
82. **Wisconsin Historical Society (State exhibit),** Madison, Wis. Collection of dress, utensils, etc., of Wisconsin Indians. H-10

## Section of Ancient Religions, Games and Folk Lore.

Exhibits in this section are in Wall and Table Cases, midway from east to west across the floor of the southern portion of the building. R-1, R-15, P-13.

bit

**Adams, Isabel, Chicago.** Game of r. Buzby.  
**Brunswick-Balke Collender Company, Chicago.** Models of billiard tables and other games.  
**Chicago Curling Club, Chicago.** Curling stones and club trophies.  
**Colket, C. Howard, Philadelphia.** Board for game of Go.  
**Culin, John, Philadelphia.** Carved ivory chessman.  
**Culin, Mrs. Stewart, Philadelphia.** Danish crosses and crucifixes and commemorative Columbus medals.  
**Culin, Stewart, University of Pennsylvania, Philadelphia.** Collection of Chinese popular books.  
**Cushing, Frank H., Washington, C.** Zuni games.  
**Dana, Charles E., Philadelphia.** Italian playing cards.  
**Department Exhibit.** Under the direction of F. W. Putman, Chief of department. First American cards, American games, Indian games and toys from unknown, Lucknow Museum, through H. Todd Crosthwaite. Burmese games collected by C. S. Bayne, Rangoon, through C. H. Todd Crosthwaite.  
**Dick & Fitzgerald, New York.** Books about games.  
**Falconer, Edward (through Belden Knickerbocker Day).** His work on games.  
**Fletcher, Mrs. S. F.** Mythological names.  
**Goode, G. Brown, Washington.** Italian geographical cards.  
**Guerrero, Mrs. E. A. P. de.** Chinese miniature in the section of religions.  
**Gunning, R. J., Chicago.** Idols, fetters, amulets and other objects connected with religious observances of all times and countries.  
**Horseman, E. J., New York.** Exhibition of games.  
**K. K. Naturhistorisches Hofmuseums, Berlin.** East Indian musical instruments.

Exhibit  
No.

101. **Kunz, George F., New York.** Collection of gems and precious stones illustrating the folk-lore of the subject.
102. **Macauley, Francis C., Florence, Italy.** German playing cards.
103. **Manheimer, Mrs. J. Cincinnati.** Objects used in Jewish ceremonials.
104. **McLaughlin Brothers, New York.** Games.
105. **Milton Bradley Company, Springfield, Mass.** Games.
106. **Nicolar, Joseph, Old Town, Me.** Games of Penobscot Indians.
- 106a. **Quong Wah Sing & Co., Chicago.** Chinese musical instruments.
107. **Scott, H. L., U.S.A.** Kiowa game.
108. **Schreiber, Lady Charlotte, Cavendish Square, London, England.** Exhibit of her works on fans and playing cards.
109. **Semtchkin, Mrs. T., Russia.** Russian playing cards.
110. **Siam, Official Exhibit.** Games and religious objects.
111. **Spaulding, A.G. & Brothers, Chicago.** Games.
112. **Thomas, H. C., London.** Buddhist sculptures.
113. **University of Pennsylvania, Department of Archaeology and Paleontology, Egyptian section.** Images of the gods of ancient Egypt.
114. **University of Pennsylvania, Department of Archaeology and Paleontology, Oriental section.** Games; religious and folk-lore objects.
115. **Van Rensselaer, Mrs. J. K., New York.** Exhibit of playing cards from her collection.
116. **Wake, C. Staniland, Chicago.** East Indian religious objects and photographs.
117. **Waterman, Henry B.** Chinese games.
118. **Wildman, Rounsevelle.** Games from Johore.
119. **Wilkinson, W. H., H. B. M. Consul, Swatow, China.** Collection of playing cards.

## Section of Physical Anthropology.

The exhibits in this section are arranged in a series of laboratories along the northern end of the gallery. The Anthropological laboratory begins at column B-11; the Neurological laboratory, B-8; the Psychological laboratory, B-7; the Development room, B-5, and the Library, B-3.

### Exhibit

#### No.

121. **Bannwarth, Bern.** Photographs of Swiss crania.
122. **Barnes, Earl, Leland Stanford University, Palo Alto, Cal.** Investigations on the growth of children in Oakland, Cal.; curves and charts illustrating research in psychology.
123. **Bausch & Lomb Optical Co., Rochester, N. Y.** Shutter.
124. **Beddoe, John, Bedford-on-Avon, England.** Charts and diagrams illustrating the anthropology of Great Britain and Ireland.
125. **Beever, C. E., London, England.** Specimens to show the anatomy of the spinal cord by the aid of degeneration.
126. **Berliner Gesellschaft für Anthropologie, Ethnologie und Urgeschichte, Berlin.** Collection of German crania.
127. **Billings, John S., Washington, D. C.** Composite photographs of crania.
128. **Bishop, H., Chicago.** Optical apparatus.
129. **Blackburn, J. W., Government Hospital for the Insane, Washington, D. C.** Casts of the brain and specimens illustrating methods of preservation.
130. **Boas, F., Chicago.** Skulls from North America, New Guinea and the Sandwich Islands.
131. **Boehm & Wiedemann, Munich.** Craniometric apparatus.
132. **Bolton, H. C., Worcester, Mass.** Curves and charts illustrating research in psychology.
133. **Boston Normal School of Gymnastics.** Diagrams and instruments.
134. **Bowditch, H. P., Boston.** Anthropometric instruments and investigations on the growth of children in Boston; psychological apparatus; composite photographs.
135. **Brown University, Providence, R. I.** Psychological apparatus and photographs of laboratory equipment.
136. **Bryan, William, Bloomington, Ind.** Curves and charts illustrating research in psychology.

### Exhibit

#### No.

137. **Bullitt, James B., Louisville, Ky.** Dissected specimens of the brain after impregnation with paraffine.
138. **Cambridge Scientific Instrument Co., Cambridge, England.** Anthropometric instruments; apparatus for testing senses.
139. **Carmalt, Dr., New Haven, Conn.** Optical apparatus.
140. **Champlin, S. H., College of Physicians and Surgeons, Chicago.** Typical brain, and brain within the spinal cord.
141. **Clark University, Worcester, Mass.** Photographs of laboratory equipment.
142. **Columbia College, New York.** Photographs of laboratory equipment.
143. **Corre, A., Paris, France.** Criminal anthropology.
144. **Cornell University, Ithaca, N.Y.** Photographs of laboratory equipment.
145. **Cunningham, D. J., University of Dublin, Dublin, Ireland.** Series of life-size casts, showing cerebral topography at different ages.
146. **Department exhibit, under the direction of F. W. Putnam, chief of the department.** Anthropological instruments; charts illustrating the growth of the children of Toronto, Canada; Charts illustrating the growth of the children of Tokio, Japan; crania of North American Indians, casts of various types of man; charts illustrating the anthropology of North American Indians, and charts illustrating the anthropology of half-breed Indians, based on measurements of 17,000 individuals, these measurements taken by seventy assistants in the department; charts illustrating the anthropology of savattoes; anthropological laboratory showing the principal instruments and results of anthropometrical investigations; charts illustrating the results of tests of the senses, movements, judgments and other mental processes; library containing a collection of books and papers on anthropological subjects.
147. **Department of Ethnology and University of Wisconsin (joint exhibit).** A wall-

psychological laboratory, in which, with aid of a variety of apparatus, tests of attention and simple mental processes were made, and the methods of research rated.

Dercum, F. X., Philadelphia. Anthropological brains, and brains of different races.

Hibbe, Levy, Kansas City, Mo. Optical apparatus.

Berstaller, Oscar, University of Germany. Charts showing the sulci.

Hubs, H. Freiburg, Germany. Psychological apparatus.

Kner, S., University of Vienna.

for post mortem records, and modeling localization of functions from study of disease in man.

Leff & Tarrant, Chicago. Compton.

Leff, C. W., Cambridge, Mass. Psychological apparatus.

Franklin, C. L., Baltimore, Md. Psychological apparatus.

Miller, William, Grand Rapids, Mich. of dissected brains, illustrating anatomical points.

Accomini, Carlo, University of Turin.

Les, J. E., New York.

Harvard University, Cambridge, Psychological apparatus and photographic equipment. (See also 203.)

Leff, Karl, Breslau, Germany. Specimens of crania.

Ktoen, E., Chicago. Specimens of normal brains.

Leff, E., Amherst, Mass. Anthropometric charts showing the effect of culture upon the growth of stuff.

Leff, C. F., Clark University, Amherst, Mass. Charts illustrating of nerve cells.

Leff, Victor, University College, Amherst, Mass. Charts showing localization of functions, cyrtometer.

Leff, F. C., Chicago. Optical apparatus.

Leff, D. W., New York. Optical apparatus.

Leff, C. S., New York. Optical apparatus.

Leff, B. J., Boston. Optical apparatus.

Leff, Hopkins University, Baltimore, Psychological apparatus and photographic equipment.

Leff, R., Heidelberg, Germany. of the medulla; apparatus for sense psychological apparatus.

Leff, D. B., Utrecht, Holland. and psychological apparatus

#### Exhibit No.

172. Kerlin, Isaac N., Elwin Institute, Pennsylvania. Brains of idiots.

173. Knap, M. H., Chicago. Photographs of nerve fibers and nerve cells.

174. Kohl, Max, Chemnitz, Germany. Psychological apparatus.

175. Kollman, J., Bale, Switzerland. Types of crania.

176. Krille, Carl, Leipzig, Germany. Psychological apparatus.

177. Lea Bros. & Co., Philadelphia. Photographs of the brain.

178. Lediard, H. A., Carlisle, England. Optical apparatus.

179. Leland Stanford University, Palo Alto, Cal. Photographs of apparatus.

180. Lombard, W. P., Ann Arbor, Mich. Curves and charts illustrating research in psychology.

181. Lyman, H. M., Rush Medical College, Chicago. Cross sections through the entire brain.

182. Majer, F., Strassburg, Germany. Psychological apparatus.

183. Manouvrier, L., Paris, France. Charts, publications, statistics on the weight and volume of the brain.

184. Meyrowitz Bros., New York. Optical apparatus.

185. Miles, F. T., Baltimore, Md. Sections of the brain in plaster.

186. Milton-Bradley Company, Springfield, Mass. Accessories for psychological tests.

187. Minor, J. L., Memphis, Tenn. Optical apparatus.

188. Moon, R. C., Philadelphia. Optical apparatus.

189. Münsterberg, Hugo, Harvard University, Cambridge. Aebys wire model of the brain.

190. Museums, Archaeological and Ethnological, of Berlin, Leipzig, Vienna, Cambridge, Mass., and U. S. National Museum. Plans and photographs of the museums.

191. Narragansett Machine Company, Providence, R. I. Anthropometric instruments.

192. Nichol, H., Cambridge, Mass. Optical apparatus.

193. Northrup, W. P., New York. Children's brains.

194. Peabody Museum of American Archaeology and Ethnology, Cambridge, Mass. Anthropological instruments, skeletons of different races of men, crania and casts of heads of Indians.

195. Peckham, G. F., Supt. Public Schools, Milwaukee, Wis. Investigations on the growth of children in Milwaukee, Wis.

196. Petzold, Wilhelm, Leipzig, Germany. Psychological apparatus.

## Exhibit

- No.  
 197. Pillsbury, J. H., Northampton, Mass. Optical apparatus.  
 198. Porter, W. T., St. Louis, Mo. Investigations on the growth of children.  
 199. Queen & Co., Philadelphia. Optical apparatus.  
 200. Reid, R. W., University of Aberdeen, Scotland. Illustrations of cerebral photography.  
 201. Ritchie, E. S., & Sons, Brookline, Mass. Psychological and other apparatus.  
 202. Rothe, Rudolf, Prague, Austria. Apparatus for color sense and other psychological purposes.  
 203. Sargent, D. A., Harvard University, Cambridge, Mass. Anthropometric investigations on college students referring to growth and the influence of physical culture upon development. Statues of the typical American man and woman.  
 204. Scaver, J. Instrument for recording spinal curvature.  
 205. Schmidt, E., Leipzig, Germany. Anthropometric instruments and crania.  
 206. Schultze, F. O., University of Wurzburg, Germany. Sections and microtome.  
 207. Schwalbe, G., Strassburg, Germany. Brain weights of children.  
 208. Societe d'Hygiène de Paris, France. Photographs of laboratory and subjects.  
 209. Spitzka, E. C., New York. Statistical data, brains of anthropoids.  
 210. Starr, Frederick, Chicago. Photographs and fingerprints of Indians.  
 211. Starr, M. Allen, College of Physicians and Surgeons, New York. Fiber anatomy of the brain.  
 212. State Board of Health of Massachusetts, Boston. Anthropometric instruments and blanks.  
 213. Stoehrer & Sohn, Leipzig, Germany. Psychological apparatus.  
 214. Truax, Greene & Co., Chicago. Models after Hammond and others illustrating the central nervous system.  
 215. University of Bonn, Bonn, Germany. Photographs of laboratory and equipment.  
 216. University of Chicago, Neurological Section of the Laboratory. Models, casts, charts, photographs, books and specimens illustrative of the general anatomy of the nervous system.  
 217. University of Chicago, Physiological Laboratory. Models of the sense organs; disarticulated skulls.  
 218. University of Chicago, Psychological Laboratory. Models, charts and diagrams relating to the brain and sense organs; psychological apparatus.

## Exhibit

- No.  
 219. University of Geneva, Geneva, Switzerland. Photographs of laboratory and equipment.  
 220. University of Illinois, Champaign, Ill. Photographs of laboratory and equipment.  
 221. University of Indiana, Bloomington, Ind. Photographs of laboratory and equipment.  
 222. University of Pennsylvania, Philadelphia. Psychological apparatus, photographs of laboratory and equipment.  
 223. University of Rome, Italy. Photographs of laboratory and equipment.  
 224. University of Tokio, Japan. Photographs of laboratory and equipment.  
 225. University of Toronto, Canada. Psychological apparatus, photographs of equipment.  
 226. University of Wisconsin, Madison, Wis. Psychological apparatus, photographs of laboratory and equipment.  
 227. Verdin, Charles, Paris, France. Psychological apparatus.  
 228. Vierordt, H., Tubingen, Germany. Anthropological apparatus.  
 229. Virchow, Hans, Berlin, Germany. Anthropological apparatus.  
 230. Von Brunn, Albert, Rostock, Germany. Crania from Mecklenburg.  
 231. Von Luschan, F., Berlin, Germany. Crania from Asia Minor.  
 232. Walb, Wilhelm, Heidelberg, Germany. Apparatus for sense tests; anthropometrical apparatus.  
 233. Welsh, Emmons, Grand Rapids, Mich. Optical apparatus.  
 234. Ward's Natural Science Establishment, Rochester, N. Y. Skeletons and models.  
 235. Webb's Adder Co., New York. Adding machine.  
 236. Wellesley College, Wellesley, Mass. Photographs of laboratory and equipment.  
 237. West, G. M., Chicago. Investigations on the growth of children in Worcester, Mass.  
 238. Whitman, C. O., Morphological Laboratory, University of Chicago. Wax models illustrating the development of the brain and sense organs.  
 239. Whitney, W. F., Harvard Medical School, Boston, Mass.  
 240. Wilder, B. G., Cornell University. Charts showing the development of the brain surface.  
 241. Windler, H., Berlin. Anthropological apparatus.  
 242. Wood, Miss M. Anna, Wellesley, Mass. Anthropometric studies from the gymnasium of Wellesley College.

Wood, Wallace, New York. Composite statues.  
Yale University, New Haven, Conn. Photographs of laboratory and equipment.  
Zambelli & Co., Turin. Tachygraph.

Exhibit  
No.

246. Ziegler, Adolph, University of Freiburg, Germany. Wax models illustrating the development of the brain.  
247. Zimmermann, E., Leipzig, Germany. Kymograph.

## Section of Ethnography.

various habitations of the American Tribes are on the Ethnographical Grounds, north of the Building.

yer, E. E., Chicago. Two large poles from northwest coast of Ica.  
British Guiana, Official Exhibit. Arched thatched hut.  
Colorado State Exhibit. Navajohogan family of Navajo.  
Department exhibit under the direction of F. W. Putnam, Chief of the Department.  
Family of Eskimo from the village. Skin tents of the Eskimo Labrador. Skin tents of Arcticanders, collected by Lieut. Peary in Greenland. Representatives of the Rupert Indians of Vancouver Island, living in their native fashion in house with "totem poles." House

Exhibit  
No.

from village of Skidegate, Queen Charlotte's Island, B. C. Heraldic column from Fort Simpson, B. C. Memorial columns from Bella Coola, B. C. House posts from Nanaimo, B. C. Canoes from the North Pacific Coast. Buffalo hide teepee. Winnebago mat house and other habitations.  
252. Hunt, H. E., Indian agent, Oldtown, Me. Four families of Penobscot Indians living in their birch-bark wigwams and paddling their birch-bark canoes on the South Pond.  
253. New York State Exhibit. Iroquois village of several bark houses in which are living representatives of the six tribes of the Iroquois. Bark canoes and "dug outs" on the South Pond.

## Section of History.

Exhibits in this Section are arranged in the West Gallery of the Building.

urilin, Dimetrius, City of Ivanovo, Russia in Russia. Collection of Greek, Ancient Russian and other coins. H-14  
Department out-of-door exhibit, under direction of F. W. Putnam, Chief of the Department. Pioneer Log Cabin, with realistic furnishings, and inmates in colonial costumes and engaged in spinning, weaving, etc.  
rsen, H. H., New Holstein, Wis. Ceramic collection. G-15  
pes, W. S., Chicago. Collection of coins. K-13  
sch, Max, Wahoo, Neb. Collection of German fire arms.

Exhibit  
No.

259. Kimball, W. S., Rochester, N. Y. Collection of antique pepper boxes. L-14  
260. Laxton, George H., Chicago. Exhibits of famous old clocks. K-14  
261. Lindle, John A., Albert Lea, Minn. Old Swedish Bible.  
262. Lloyd, Marietta, Shullsburg, Wis. Two old colonial chairs. L-14  
263. Nelson, W., Chicago. Collection of coins.  
264. Ohio State Exhibit. Historical exhibit. M-13  
265. Pennsylvania State Exhibit. Model of York building. L-15  
266. Scott Stamp & Coin Co., New York. Coins, postage stamps, etc. I-13

## Section of Natural History.

Exhibits in this Section are in the Galleries of the Building.

Exhibit  
No.

267. Agassiz Association, St. Louis, Mo.  
General natural history exhibit.

H-2 and K-2

268. Boehm, Albert, La Crosse, Wis.  
Educational natural history museum in cases.

W-14

269. Brazil Government Exhibit. Mammals, birds and reptiles of Brazil.

G-1

270. Canada (Province of Ontario). Mammals and birds.

R-3

271. Colorado State Exhibit, Denver, Col.  
Insects of the state.

P-3

272. Fuchs, Louis, Belleville, Ill. A Zooplastic tableau, representing the social habits of animal life with scenic effect.

G-2

273. Hart, W. W. & Co., New York.  
Group of mounted otter; mounted heads of musk ox, moose and caribou.

P-1

274. Haysen, New Holstein, Wis. Fossils from Wisconsin.

S-13

275. Indiana State Exhibit, Indianapolis, Ind. Paleontological collection.

Q-13

276. Lattin, F. H., Albion, N. Y. Typical collection of North American birds showing manner of nesting; large collection of birds' eggs, naturalists' supplies, etc.

T-3

Exhibit  
No.

277. Maine State Exhibit. Mammals of the state.

U-13

278. Miller, John, Chicago. Skins and mounted heads of mammals.

N-13

279. Nevada State Exhibit. Fossil foot-prints from Carson.

T-13

280. New York State Exhibit. Mammals of the State, land and fresh water shells.

W-3

281. Ohio State Exhibit, Columbus, Ohio. Birds of the state.

O-3

282. Pennsylvania State Exhibit. Birds of the state.

M-1

283. Robinson, A. E. Mounted elk, deer and antelope.

Q-13

284. Sorup, Mrs. John G., Chicago. Large collection of butterflies from all parts of the world.

G-3

285. Stanisky, Gustav & Co., Chicago. Mounted animals' heads; display of taxidermy.

E-3

286. Styles, Leander, Chicago. Mounted deer; minerals.

R-2

287. Ward's Natural Science Establishment, Rochester, N. Y. General natural history cabinet, occupying the entire south gallery.

Y-1 to Y-15

## British Guiana.

Location L-6 to K-3

tive exhibit made by the British.  
Guiana Commission.

## GROUP 160.- CLASS 943.

ummocks of various kinds, plain and  
nented.  
odels of Tibiseri hammocks.  
ummock ropes.  
nches of solid wood, plain and orna-  
xl.  
nches of the cut shell of the land  
sc.  
oms of Macusi and Accawoi tribes.  
e-fans.  
e sticks, used in procuring fire.  
ider box, of felstone, steel and cot-  
sed in procuring fire.  
king slab, of baked clay.

## CLASS 944.

lled tobacco leaves.  
arette paper, made of the fibre of  
keralli.

## CLASS 945.

iels of Indian canoes, or "dug-out,"  
l wood, and wood skins and pad-

dles, of various kinds.

## CLASS 946.

yus, or bead aprons, worn by the  
: on frame, showing manufacture;  
f woven cotton, as formerly used;  
f bark, as formerly worn.  
ials, used on the Savannah lands,  
rom the Eta palm and tapir skin.  
lets, or leg-bands, made of cotton,  
the women.  
stbelts, made of cotton; of mon-  
tir, and of cotton with pendants.  
hees, or Carib, fringes.  
ets, with shell pieces and fringes.  
r nose pendants, or platta; tin  
ndant; bamboo pieces, worn in the  
goid rods, from stem worn in the  
tto or red dye, used in staining  
and body.  
pots, made of bamboo and cala-  
w ochre, used as a yellow dye.  
e clay, used as a white dye.

Exhibit  
No.

26. Down-feathers, used to stick on the face with dyes.
27. Nose-strings, to be passed from the nose to mouth by young huntsmen.
28. Dried caterpillars, used as a snuff when crushed.
29. Head-dresses, of vertical feathers, of various sizes; head-dresses of horizontal feathers, of various sizes.
30. Arm and shoulder girdles, of the tail feathers of the Macaw (Ara); of the feathers of the Powis (crax).
31. Frame on which the feathers of the head-dresses are arranged.
32. Necklaces, of peccaries teeth.
33. Necklaces, of accourie teeth; of jaguar teeth; of waterhaas teeth; of mixed teeth; of seeds, and of beads.
34. Shak-shak, or rattle, of beetles' wings, generally worn on necklaces.
35. Tattoo implement, a serrated fish spine.
36. Mucro hat, as made by Wapisiana Indians.

## GROUP 161.

37. War clubs, square top; flat bladed; special clubs, with stone adze fitted. (Exhibited by D. A. Worsley, Esq.)
38. Blowpipes, used for discharging small poisoned arrows.
39. Quivers, with arrows and fittings.
40. Bows, large and small, of many woods, chiefly "Washiba."
41. File, of the palate bone of a fish, used in smoothing the bows.
42. Arrows, used for killing birds, with wooden points, chiefly bamboo; arrows for stunning birds, with blunt head or crossed pieces; for shooting fish, metal heads; for large game, metal spear head; for turtles, with separable metal head; arrows poisoned, for game, with bamboo point and cap.
43. Arrow heads.
44. Arrow stems, or reeds, used in making arrows.
45. Karawanni wax, used as pitch or glue.
46. Ourali poison, in calabashes, as prepared by the Macusis.
47. Fish traps made of bark.
48. Fish net, used by hand.

Exhibit  
No.

49. Hunting bags, of skin of various kinds and of basket work.  
50. Powder flasks, of gourd.

## GROUP 162.—CLASSES 947 and 948.

51. Cap box, of palm seed, carved.  
52. Pottery jars, of different sizes and shapes.  
53. Water jugs or goglets.  
54. Cooking pots, or "buck pots."  
55. Food basins, or sapuras, of pottery.  
56. Large gourds for storage of water and other drinks.  
57. Gourd dishes, for food and cups for children.  
58. Gourd dishes, used by "pediman" or medicine man.  
59. Gourd pitcher, covered with basket work.  
60. Small "Casiri" paddles, used in stirring the drink Casiri.  
61. Surianas or baskets, used in carrying loads, suspended by a band from the forehead.  
62. Quakes or common basket carriers.  
63. Mattapees, of various sizes, used in squeezing the grated cassava.  
64. Wooden grater, studded with pieces of stone, for grating cassava.  
65. Cassava sifters.  
66. Farina sifters.  
67. Cassava baskets.  
68. Pegalls, or trunk baskets, of 24 pieces fitting into each other.  
69. Double Pegall, made by half breeds on Brazilian frontier.  
70. Flat Cassava mats.  
71. Mats for confining stinging ants and for disciplining children.  
72. Sets of letter bags, made for trade.  
73. Basket-work rattle.  
74. Set of ordinary baskets.  
75. Paiworri corial, or hollowed trunk, in which to make drinks for feast.  
76. Bark trough, or "addisa," into which the cassava is grated.  
77. Cassava pressers.  
78. Cokerite carrier, or tray.  
79. Eta palm baskets.  
80. Sugar cane crushers, with pole. (Macusi and Accawoi tribes.)  
81. Corn mortar and pestle.

## GROUP 162.—CLASS 949.

82. Hammock frame and hammock spindles, used as needles in hammock making.  
83. Rolled cotton thread.  
84. Cotton fibre.  
85. Spindles, used for rolling cotton thread.  
86. Eta, or Tibiseri, string.

Exhibit  
No.

87. Eta fibre (Mauritia), used in making "grass" hammocks.  
88. Eta palm leaves.  
89. Karata fibre and string.  
90. Krowa ropes, made from Krowa plant (Agave).  
91. Krowa leaves and fibre, used largely in making fish lines.

## GROUP 163.

92. Wrestling shields (Warsaw Indians, used in games and in trial by combat).  
93. Dancing sticks, as used by Macusi Indians, of trumpet wood, surmounted by roughly carved designs of birds and animals, with feathers and fibres.  
94. Dancing sticks, with rattles or "shak-shaks" of good luck seeds (Thevetia).  
95. Rattles, or shak-shaks, of "good-luck" seeds.  
96. Trumpets of trumpet wood, also made of pottery.  
97. Head-dress of Eta palm leaves, neck-piece and waist-piece, used in the Parasheera dance.  
98. Bamboo and bone flutes.  
99. Drum and sticks; Macquari whips; Tibiseri whip; pan pipes; rubber balls; imitation fiddle; puzzles; Æolian harp, made from the leaf stalk of the Eta palm; spinning tops made of palm seed and of double seeds of Sapota.

## GROUP 164.

100. Pediman's rattle, used in the treatment of sick or possessed persons of cabash with enclosed rattling pieces, with long pendant of parrot feathers and beetle wings and shak-shaks.

## Miscellaneous Exhibit of British Guiana Museum.

101. Wedges of various kinds.  
102. Ordinary adzes.  
103. Large adze, with slightly grooved heads.  
104. Mixed collection, including pottery, ochreous matter, human bones, fish bones, shells, stone implements, taken from the kitchen midden or shell-mound at Cababoori.  
105. Broad wedged-shaped implement, with deeply grooved head.  
106. Large and narrow wedge-shaped stones, with grooved broad-head. (Exhibited by D. A. Worsley.)  
107. Axes and adzes in large variety.  
108. Various shaped adzes, showing stages from the thick to the thin pointed head.  
109. Stone pestles.  
110. Grinding stones, for dyes.

it

Jasper pebbles, used in smoothing tery.

Arrow heads, stone.

Carved quartz pebble, to represent a sitting with holes for strings by which may be drawn along the ground.

Pottery, representing the human face.

Very rare and but one of four known.

Indian boats, dug out of wood and le of bark.

Collection of photographs, illustration of country inhabited by Indians.

Model huts, as built by Indians.

Maize or Indian corn, used in making ks.

#### Exhibit

No.

119. Cassava bread.

120. Souari nuts, used as food.

121. Greenheart seeds, used in making starch.

122. Various birds, stuffed, used by Indians for food, for taming and for feather work.

123. Various fishes, preserved, used for food.

124. Various mammals, stuffed, used for food.

125. Miscellaneous leaves and fibres, used by Indians for thatches, string and ropes.

126. Miscellaneous barks and seeds used medicinally.

## Greece.

Location—H, M, 9-11.

**Exhibited by the Greek Government.**

### Archaic Sculptures.

Relief from the Lion Gate at Mycenæ. This relief, perhaps the most ancient of sculpture in Greece, is still in position over the lintel of the principal entrance of the citadel of Mycenæ.

Very primitive statue from Delos, representing probably Artemis (Diana). Dedicated to Artemis by a Naxian named Nicandre.

Statue of Apollo from Melos, a naked youthful figure of the same type as the Apollo of Thera, Tenea, etc.

Seated figure from Delos, representing apparently Niké (Victory). It was apparently made by Archermos of Chios, one of the earliest famous sculptors in Greece.

Head of Apollo, found in Bœotia, in the collection of the Ptoan Apollo.

Male head, from the same source as the female head, from Delos.

Male head, from Epidauras, of the type of the Apollo of Delos.

Statue of a grave monument, found at Eleusis. On the front is a young man reclining, on one side mourning, on the other a bearded man.

Grave monument, found in Attica. It is of the sixth century B. C. by the artist Aristion, the deceased, is represented in the armor of a hoplite.

#### Exhibit

No.

11. Relief, with head of a young man holding a *discus*, found in or near the Dipylon (principal gate of ancient Athens).

12. Grave monument made by Alxenor of Naxos, found in Bœotia. The deceased is represented as playing with a dog. He holds out a grasshopper, which the dog jumps to seize.

13. Grave monument from Larissa in Thessaly.

14. Grave monument from Larissa in Thessaly.

15. Large grave monument from Larissa in Thessaly, representing a young man holding a hare on his right fore-arm and an apple in his left hand.

16. Grave monument from Bœotia. A young woman is represented, dressed in a long garment. In her left hand she holds a fruit, in her right some small object, originally represented in color.

17. Head of Apollo, found at Athens; archaic.

18. Bearded head of Hermes (Mercury) or Bacchus, found at Delos; archaic.

### Sculptures of the Fifth and Fourth Centuries, B. C.

19. Large bas-relief, found at Eleusis and representing the goddesses especially worshipped there, Demeter (Ceres) and Persephone (Proserpina), with the young Triptolemos between them.

20. Relief from the Acropolis of Athens, representing Athena (Minerva), the so-called Mourning Athena.

Exhibit  
No.

21. Statue of a Youth, from the Acropolis of Athens.
22. Slab from the Parthenon frieze, belonging near the middle of the east front. It represents three seated divinities, Poseidon (Neptune) and perhaps Apollo and Ceres.
- 23-25. Three slabs from the balustrade originally surrounding the temple of Niké Apteros (Wingless Victory) on the Athenian Acropolis. On the first is a Niké standing erect; on the second, another Niké untying her sandal; on the third, two Nikes leading a cow or bull to sacrifice.
26. Sculptured block from the Erechtheum.
27. Statuette of Athena (Minerva), found at Athens in 1859. It owes its celebrity to the fact that it was the first to be recognized as a copy, though an imperfect one, of the gold and ivory statue of Athena by Phidias.
28. Statuette of Athena (Minerva), found at Athens in 1880. It is a copy, made in the Roman period, of the gold and ivory statue of Athena by Phidias.
29. Female head, from the sanctuary of Hera (Juno) near Argos; found in the excavations conducted by the American School of Classical Studies at Athens in 1892.
30. Metope, from the Temple of Hera near Argos, representing a youthful warrior; found as No. 29.
- 31-32. Two heads, of about half life size, representing barbarians (Amazons or Persians); found as No. 29.
33. Female head, of about half life size, found on the same site as Nos. 29-32 by Rhangabé and Bursian in 1854.
34. Lion's head gargoyle from the Temple of Hera near Argos; found as No. 33.
35. Torso of a Niké, probably from the same source as Nos. 33, 34.
- 36-38. Three heads found near Tegea in Arcadia and belonging to the pediment sculptures of the temple of Athena Alea there. The temple was built soon after 395 B. C. by Scopas. The sculptures were probably executed by Scopas, or at least by one of his pupils. Nos. 36, 37 are heads of young men, the one severely wounded, the other still in active combat. No. 38 is the head of the Calydonian boar, which figured in the east pediment.
39. Niké (Victory), found in the sanctuary of Asclepius at Epidaurus. It resembles the Niké of Præmnius, found at Olympia.
- 40-41. Two heads of Nikés from Epidaurus, similar to the foregoing.
- 42-48, 50. Sculptures found in the sanctuary of Asclepius at Epidaurus and belonging to the pediment of the temple of As-

Exhibit  
No.

- clepius. They date from the first third of the fourth century B. C.
49. Nereid from Epidaurus, perhaps an *acroterium* of the temple of Asclepius.
51. Relief representing Asclepius seated; found as Nos. 39-50.
52. Lion's head gargoyle from the *Tholos* (circular building) at Epidaurus.
53. Square pedestal. On the front is an inscription, from the last line of which we learn that the object supported by the pedestal and, probably, the pedestal itself were the work of the artist Bryaxis (ca. 360 B. C.). On the three sides are three horsemen, who had been successful competitors in the cavalry exercise.
- 54-56. Three bas-reliefs found at Mantinea in Arcadia. Pausanias says that in one of the temples of Mantinea there was a group of statues by Praxiteles, representing Leto (Latona), Artemis (Diana) and Apollo, and adds that on the pedestal were sculptured a Muse and Marsyas playing the flute. Nos. 54-56 certainly belong to this pedestal, and are therefore to be regarded as a work of Praxiteles or his school. They represent the musical contest of Apollo and Marsyas, at which the Muses, the usual companions of Apollo, assist as arbiters. No. 54 represents Apollo, a Phrygian slave and Marsyas. The god is seated, holding the cithara with his left hand. Marsyas, whose violent attitude contrasts with the calmness of Apollo, is playing for the last time on the flute; between them stands the *salpinx* holding the knife with which he is to execute the impending sentence, the flaying of Marsyas. Nos. 55 and 56 represent the Muses.
57. Relief representing probably a priestess, found at Mantinea; a work of the fourth century.
58. Hermes (Mercury) with the infant Iphigenyus (Bacchus), an original work of Praxiteles, found at Olympia and now in the museum there. In his right hand he held some object, perhaps a bunch of grapes. This is the only authentic original sculpture by Praxiteles in existence, and is an unrivaled specimen of Greek art in the fourth century, B. C.
59. Hermes (Mercury) found on the island of Andros in 1833. It is, beyond a doubt, the finest statue in the National Museum at Athens. Its resemblance to No. 58, as well in workmanship as in pose, is obvious. It is therefore probably a work of the original or copy of the school of Praxiteles.
60. Youthful male head, above life size, found at Eleusis; an admirable work of the fourth century.

it

Head closely resembling the forego-  
ing, also from Eleusis.

Head of a goddess, found in the sanctu-  
ary of Asclepius at Athens; a master-  
piece of the fourth century.

Female head found at Delos; a work  
of the fourth century.

Head of Apollo, found at Laurium; a  
work of the fourth century.

Female head found in the sanctuary  
of Asclepius at Athens, and representing  
probably Hygieia, the goddess of health;  
work of the fourth century.

Colossal sculptures found at Ly-  
curia in Arcadia; a female head wear-  
ing a veil, another female head, a male  
head, and a large piece of drapery orna-  
mented with figures and decorative pat-  
terns in relief. These fragments belong  
to a group of four statues, which stood in  
the temple of Despoina (Persephone), and  
which represented Despoina, Demeter,  
Artemis (Diana) and the Titan  
Zeus. The sculptor was Damophos,  
a Cretan artist, who flourished toward  
the middle of the fourth century.

Sculptures found at Eleusis. They  
include copies, made in the Roman  
period, of sculptures of the Parthenon  
period.

Grave relief from Thespiæ in Bœotia,  
representing a standing youth and a dog.  
The monument was executed in the latter  
part of the fifth century, but was used at  
an early time in the Roman period, when  
the inscription was engraved.

Grave relief from Aegina, represent-  
ing a youth standing before a square pil-  
lar, in which there is a cat. He holds a  
scepter in his left hand and extends his right  
toward a suspended bird-cage(?).  
At the left, crouches a young slave.

Grave relief from the Dipylon ceme-  
tery at Athens, representing a seated  
man clasping the hand of a young  
man between the two bearded men.

Grave relief found near Athens, repre-  
senting a young man, his father, a sorrow-  
ing woman and a dog.

Grave monument in the form of a  
vase (slender, one-handled vase), found  
in the east of ancient Athens, near the  
Parthenon palace.

Grave relief, found near Athens, repre-  
senting two women, a bearded man and a  
girl.

Grave relief from the Dipylon ceme-  
tery at Athens, commemorating a woman named  
Ameinocleia.

Grave relief from the Piræus, com-  
memorating Ameinocleia.

#### Exhibit No.

81. Grave relief from Attica, commemorat-  
ing Archestratê.

82. Grave relief, still in the Dipylon ceme-  
tery, commemorating Dexileos, who, ac-  
cording to the accompanying inscription,  
fell in battle in 394 B. C. in the twentieth  
year of his age. He is represented on  
horseback, in the act of striking down an  
enemy.

83. Grave relief, still in the Dipylon ceme-  
tery, commemorating Demetria and Pam-  
philê.

84. Grave relief, found in the Dipylon  
cemetery in 1890 and still there. It  
represents a standing woman, holding in  
her right hand an *anachoe*.

85. Grave relief still in the Dipylon ceme-  
tery. It represents the deceased Hegeso,  
daughter of Proxenus, seated upon a chair.  
Before her stands a female slave, holding  
out a box from which she takes some  
object—necklace or the like—which was  
probably represented originally by color.  
This is one of the most beautiful of Attic  
grave reliefs.

86. Grave relief still in the Dipylon ceme-  
tery, commemorating Corallion, wife of  
Agathon.

87. Hound, serving as a grave monument,  
and still in the Dipylon cemetery.

88. Grave relief still in the Dipylon ceme-  
tery. It represents two bearded men  
reclining on a couch, before which is a  
table with eatables. At each end of the  
table is a seated woman. Below, at the  
left, is the forward end of a boat with a  
boatman. Interpretation doubtful.

89. Votive relief of the class known as  
Funeral Banquets. This one goes under  
the name of The Death of Socrates.

90. Votive relief to Asclepius, from Thy-  
rea.

91. Votive relief from Piræus, represent-  
ing Dionysus reclining on a couch, with a  
female figure seated at his feet; to the  
left, a company of three actors.

92. Three-sided pedestal, found at Athens  
by the ancient (street of Tripods). On the  
sides are Dionysus and two Nikês.

#### Sculptures of the Hellenistic and Roman Periods.

93. Colossal statue of Themis (Justice),  
found at Rhamnus in Attica. It is the  
work of one Charesstratus, who lived about  
the beginning of the third century, B. C.;  
one of the most important sculptures of  
the National Museum at Athens.

94. Colossal statue of Poseidon (Neptune)  
found on the island of Melos. The work  
seems to belong to the Hellenistic period.

Exhibit  
No.

A trident is to be restored in the right hand.

95. Asclepius, found in Piræus.

96. Hermes, found at Atalante. It was probably made late in the Hellenistic period, after a model of the fourth century. In the right hand is a purse, in the left the *caduceus* (herald's wand).

97. Hermes, found at Træzen in Argolis. This is an excellent work of the Roman period, after a model of the fourth century. By the side of the god is a ram, which he grasps by the horns.

98. Statuette of Pan, from Sparta, holding the *syrix* (shepherd's pipe) in his left hand.

99. Colossal head of Athena (Minerva) found at Athens; an interesting copy, made probably in the third century, of the original represented by the Velletri Pallas.

100. Warrior in combat, found at Delos. The statue is remarkable as well for the vigor of its conception as for the anatomical knowledge it displays. In both respects it suggests comparison with the Borghese gladiator of the Louvre.

101. Youth from Athens. In the proportions and form of the body and in the

Exhibit  
No.

somewhat archaistic style, this statue resembles the Orestes by Stephanus in the Villa Albani, Rome.

102. Bust of the Emperor Hadrian (second century A. D.) from Athens.

103. Bust of a bearded man from Athens.

104. Bust of Antinous, the favorite of the Emperor Hadrian; found at Patras.

105. Statue of a young man from Eleusis. He was represented as a victor in the games, in the act of placing a crown upon his head. It is a copy of a work of which other copies exist.

106. Statue of Bacchus (?) found in the American excavations at Sicyon.

107. Head of Medusa, in the Museum at Argos.

108-109. Two reliefs found in the Doric theater at Athens, representing dancing women; Roman period.

110. Bust of Hermarchus, disciple and successor of Epicurus.

111. Statue of Tyché (Fortune) found in Egypt and presented to the National Museum of Greece by Dragnet Pasha. The goddess holds in her right hand a horn of plenty, in her left a rudder.

112. Pedestal found in the sanctuary of Asclepius at Athens. On it are represented various surgical instruments.

## Mexico.

Location—O, P, Q, 10.

## GROUP 160.

bit	Class'n No.
Federal District, Government of the, exico. Aztec furniture.	948
Fomento, Secretary of, Mexico.	
musical instruments.	948
Guerrero, Government of the State of.	
ark cloaks for protection against the ether.	946
Oaxaca, Government of the State of.	
a Articles for domestic use.	943
b Indian wearing apparel and ornaments.	946
Puebla, Government of the State of.	
a Furniture and articles for domestic use.	943
b Indian clothing.	946
Scientific Institute, Toluca.	
a Articles for domestic use and musical instruments.	943
b Pipe.	944
c Old skulls.	945
d Aztec ornaments for the person.	946
Flaxcala, Government of the State of.	
nan clothing.	946

## GROUP 161.

Cordoba, Luis G., Zacatecas. Lance and battle axes.	
Federal District, Government of the, exico. Shields and Aztec arms.	
Fomento, Secretary of, Mexico.	
elds and photographs of Mexican elds.	
Puebla, Government of the State of. ec weapon.	
Scientific Institute, Toluca. Aztec s.	
Jilloa, J. Antonio, Zacatecas. Teaxtle or war drums.	

## GROUP 162.

Puebla, Government of the State of. cles for industrial use.	949
Scientific Institute, Toluca.	
Clay mugs.	948
Articles for industrial use.	949

## GROUP 164.

guilar, Cayetano, Ixcaquixtla, Puebla.	
Idol.	

Exhibit  
No.Class'n  
No.

17. Antonio, Jose, Coxcatlan, Puebla. Idol.
18. Cedillo, Marcial A., Zinacantepec, Puebla. Idols.
19. Federal District, Government of the, Mexico. Idols.
20. Maldonado, Eugenio, Coxcatlan, Puebla. Idols.
21. Mexican Central Railway, Mexico. Stone head and idols.
22. Ponce de Leon, R., Culiacan, Sinaloa. Stone idols.
23. Puebla, Government of the State of. Idols.
24. Reyes, Francisco, Coxcatlan, Puebla. Idol.
25. Scientific Institute, Toluca. Idols.

## GROUP 165.

26. Avalos, Juan de D., Durango. Articles belonging to Gen. Guadalupe Victoria and Count de Revillagigedo and in use in the Mexican academy; autograph of Morelos.
27. Gardano & Co., Puente del Oro, Guerrero. Ancient coins.
28. Mexican Central Railway, Mexico. Mexican coins, pieces of obsidian and plaster casts of Aztec calendars.
29. Navarrete, Francisco, Acatlan, Puebla. Indian coins.
30. Oaxaca, Government of the State of. Models of hanging bridges.
31. Puebla, Government of the State of. Copies of antique manuscripts and photographs of Mexican Indians.
32. Scientific Institute, Toluca. Water color paintings of antiquities, human skulls and jaw bones.

## GROUP 168.

33. Federal District, Government of the, Mexico. Model of ancient Mexico.
34. Fomento, Secretary of, Mexico. Casts of inscriptions on stone, models of ancient ruins, album Zapoteco, description of ancient monuments and books on Mexican monuments and antiquities.
35. Fuentes, Heliodora, Colima. Ancient clay dog.

Exhibit  
No.

36. Hidalgo, Government of the State of. Album of antiquities.
37. Mexican Central Railway, Mexico. Books on Mexican antiquities.
38. Morelos, Government of the State of. Album of antiquities.
39. Penafiel, Antonio, Mexico. Books on antiquities.
40. Ulloa, J. Antonio, Zacatecas. Album and plan of the ruins of Quemada.
41. Yucatan, Government of the State of. Photographs of ancient ruins.
42. Zacatecas, Government of the State of. Photographs of ruins.

## GROUP 169.

43. Guerrero, Government of the State of. Photographic views and photographs of Indian types.
44. Oaxaca, Government of the State of. Photographs of Indian types.

Exhibit  
No.Class  
No.

45. Puebla, Government of the State of. Models of country homes.
46. Tepic, Government of the Territory of. Photographs of Indian types.
47. Vera Cruz, Government of the State of. Photographs of Indian types.
48. Zacatecas, Government of the State of. Photographs of Indian types.

## GROUP 171.

49. Oaxaca, Government of the State of. Agricultural implements. 965
50. Ponce de Leon, R., Culiacan, Sinaloa. Stone axes and hammer. 966
51. Puebla, Government of the State of. Agricultural implements. 965

## GROUP 173.

52. Valdes, Gomes, Francisco, State of Nuevo, Leon. Publications and photographs relating to the state.

## New South Wales.

Location—H, 13.

Exhibit  
No.

1. Board for the Protection of the Aborigines, Sydney. Loan collection of weapons of the aborigines of New South Wales; consisting of articles used by the Murrumbidgee, Castlereagh, Lurlingah, Nulla Nulla and the South Coast tribes; also, drawings by a native of the Ulladulla tribe, and specimens of hand-writing and needle-work by aboriginal children attending the school for aborigines at Warrangesda, on the Murrumbidgee river. 73 objects.
2. Bowman, H. W., Ashfield, Sydney. Loan collection of ethnological specimens from the South Sea Islands.
3. Bundock, Mary E., Wyangarie, Casino. Loan collection of aboriginal weapons, etc. 13 objects.
4. Cameron, E., Ulmarra, Clarence river. Loan collection of New South Wales, aboriginal weapons. 6 objects.
5. Coleman, E., Lismore. Loan collection of aboriginal weapons, etc. 15 objects.
6. Commissioners for New South Wales, Sydney.
  - a Wooden idols, male and female, New Britain.

Exhibit  
No.

- b Collection illustrating the aborigines of Australia; boomerangs, spears, etc.; collected by H. Stockdale, Sydney. 208 objects.
- c Collection of articles of clothing, implements of war, and the chase, and tools of industrial operations of the natives of the South Sea Island groups; collected by the Rev. R. H. Rickard, Sydney. 96 objects.
- d Collection of articles of clothing, tools and implements of industrial operations of the natives of the South Sea Island groups; collected by Dr. P. Wolfe, Sydney. 168 objects.
- e Sixty spears. Obsidian.
- f Series of 30 enlarged photographs of aborigines of New South Wales.
- g Two photographs enlarged from negatives supplied by the board for the protection of the aborigines.
- h Series of 115 enlarged photographs illustrating the aborigines of New South Wales, the South Sea Islands, etc.; prepared by the government printer.
- i Fifteen photos of the Jenolan, Wellington and Yarongabilly caves.

hibit  
to.

j Series of pamphlets on the aborigines of Australasia, etc.:

1 The aborigines of New South Wales, by John Fraser, B. A., LL. D.

2 Notes on the aborigines of New South Wales, by the Hon. Richard Hill, M. L. C., and the Hon. George Thornton, M. L. C.

3 "The South Pacific and New Guinea—Past and Present," by the Rev. W. Hyatt Gill, B. A.

4 "An Australian Language," by L. E. Threlkeld; edited by John Fraser, B. A., LL. D.

Commissioners for New South Wales, Sydney (per Department of Forests).

ark hut as used by the early settlers in the Australian bush, made from the bark of the "Stringy-bark" tree (eucalyptus obliqua).

Elton, James Charles, Kempsey, Macleay river. Loan collection of aboriginal weapons. 33 objects.

Everitt, Captain Henry Charles, Sydney. Loan collection of aboriginal weapons. 14 objects.

Folbigg, James, Chataworth Island, Clarence river. Two specimens of the eilman (Shield) and Six-stone tomahawks.

Fosbery, E., Inspector-General of Police, Sydney. Stone axe head dug out the ground 100 feet below the surface.

Hannay, James Blair, Sydney. Loan collection of weapons from the Clarence and Richmond river districts.

Hill, Frank, Sydney. Three Mardoo nes (for powdering Mardoo seeds for oil).

Exhibit  
No.

13. Liett, George, Milton. Two drawings by "Mickey," a native of the Ulladulla tribe, N. S. W.

14. Irving, L. C., Grafton, Clarence river. Stone axe head and stone tomahawk head.

15. Jenkins, Lieut. R. L. H. B., Woollahra, Sydney. Loan collection of the weapons and implements of the natives of the South Sea Islands, New Guinea, etc. 40 objects.

16. Lardner, Mrs. A., Grafton, Clarence river. Dilly bag, 25 years old.

17. Lichtner & Solomon, Sydney. Collection of the idols, implements and utensils inlaid with pearl, of the natives of the New Hebrides and Solomon Islands. 89 objects.

18. Liversidge, Archibald, M. A. F. R. S., professor of chemistry in the University of Sydney. Loan collection of aboriginal stone weapons of New South Wales, Victoria, New Zealand, New Guinea, New Britain and Fiji. 78 objects.

19. Lumsdaine, Herbert S., Manager Bank of New South Wales, Casino. Drawing by a native, and shell fish book.

20. Morrison, A., Singleton. Collection of aboriginal weapons.

21. Mulken, W. H., J. P., West Maitland. Loan collection of ethnological specimens chiefly from the South Sea Islands.

22. Rainsford, John, Milton. Drawing by "Mickey" of the Ulladulla tribe.

23. Retalick, J., Uimarra, Clarence river. Collection of clubs, bow and arrows, etc.

24. Wolfe, James E., J. P., West Maitland. Loan collection of weapons of aborigines of New South Wales, etc. 94 objects.

Exhibit  
No.

25. **Ferris Wheel**, G. W. Ferris. A vertical revolving wheel 264 feet in height, capable of carrying 2,160 people. Fare, 50 cents.
26. **Ice Railway**, Rankin and De la Vergne, Concessionaires. Sleighs running over ice and snow artificially made by the De la Vergne method. Fare, 10 cents.
27. **Model of St. Peters, Rome**, L. de B. Spridon, Concessionaire. Model of St. Peter's Church, Rome, scale one-sixtieth; also models of Cathedral of Milan, Piombino Palace and St. Agnese Church, portraits of the popes, papal coats of arms, etc. Admission, 25 cents.
28. **Vienna Cafe**, Konig and Griesser, Concessionaires. Restaurant.
29. **French Pavilion and Cider Press**, Cotton and Ziemen, Proprietors. Manufacture and sale of cider. Admission free.
30. **Algerian and Tunisian Village**, Gannon and Siflico, Concessionaires. Algerian and Tunisian village consisting of 30 bazaars, theater, cafe and grand bazaar. Admission, 25 cents.
31. **East Indian Bazaar**, Ardesher and Byranji, Concessionaires. Exhibit and sale of East Indian goods. Admission free.
32. **Panorama of the Volcano of Kilauea**, Lorin A. Thurston, Concessionaire. Panorama of the Volcano of Kilauea, Island of Hawaii. Admission, 50 cents.
33. **Austrian Village and Old Vienna**, M. Jentsch, Concessionaire. Old Vienna, representation of a street 150 years ago. Manufacture and sale of Austrian articles in wood, amber, meerscham, glass, etc. Restaurant, style "Constantinmugel," and museum of Egyptian paintings. Admission, 25 cents.
34. **Chinese Theater and Joss House**, H. Sling, Manager. Restaurant, theater, joss house, and sale of Chinese articles. Admission, 10 cents.
35. **Captive Balloon**, C. F. Morgan, President. Balloon carries 15 to 20 passengers to a height of 1,200 feet. Trip, \$2.00.
36. **Dahomey Village**, X. Pene, Concessionaire. Dahomey village of 30 houses, population of 69 people, museum of native arms, etc. Admission, 25 cents.
37. **Ostrich Farm**, E. J. Johnson, Concessionaire. Exhibit of 28 living ostriches. Admission, 10 cents.
38. **Lapland Village**, P. H. Coney, President. Village of 24 Laps with reindeer, showing every-day life of the Laplanders. Admission, 25 cents.
39. **Hungarian Cafe and Concert Hall**, J. O'Connor, President. Concerts by the

Exhibit  
No.

- Hungarian Ethnographic Concert Company of Buda-Pesh. Admission free.
40. **Bedouin Camp**, P. K. Bristani, Concessionaire. Showing Arab life in the desert. Performances from 10 to 12 A. M., and from 2 to 6 P. M. Admission, 25 cents.
41. **Sitting Bull Log Cabin**, P. B. Wickham, Manager. The original log cabin belonging to Sitting Bull and the one in which he was killed. Indian arms and curios, relics from the Custer battle-field. Admission, 10 cents.
42. **The Barre Sliding Railway**, D. L. Thayer, President. The length of the road is one mile, the cars being propelled by hydraulic water pressure. Each ride, 10 cents.
43. **American Indian Village**, Roddy and Wyatt. Winnebago Indian Village and sale of Indian work and curios. Admission, 10 cents.
44. **Moorish Mosque of Tangiers**, Jacob Benchetrit, Concessionaire. Sale of photos and Moorish work. Admission free.
45. **Colorado Gold Mining**, R. A. Campbell, Concessionaire. Model showing the working of a gold mine in Colorado. Admission, 10 cents.
46. **Bulgarian Curiosities**, E. S. Yovtcheff, Concessionaire. Sale of Bulgarian curios. Admission free.
47. **Brazilian Concert Hall**, A. Ribeiro, Concessionaire. Dances given by the natives of the State of Maranhão, North Brazil, and sale of curios. Admission, 10 cents.
48. **The United States Sub-Marine Diving Co.**, J. J. Mannion, Concessionaire. Exhibit of sub-marine diving, showing manner of recovering articles lost at sea. Admission, 10 cents.
49. **Camera Obscura**, Carl Memethy and Adolph Gaul. Exhibit of views of a portion of the fair grounds. Transformed by a camera obscura. Admission, 10 cents.
50. **French Novelty and Mosaics**, E. Valensin, Concessionaire. Exhibit and sale of French novelties, and manufacture and sale of mosaics. Admission free.
51. **Johore Bungalow and Village**, Rounseville Wildman, Concessionaire. Johore Village, models of native vessels, curios, arms and native merchandise for sale. Admission 10 cents.
52. **Pueblo Indian Village**, S. B. Mills, Concessionaire. Indian Village, showing the manner of life of the natives. Indian curios for sale. Admission 10 cents.

## JACKSON PARK.

53. **Steam Launches**, World's Fair Steam

Exhibit  
No.

Launch Co., E. R. Meeker and Chas. P. Villard. Steam launches—Transportation on Lake Front, South Pond, Grand Basin and North Lagoon. Round trip, 25 cents.

**Gondolas**, World's Fair Venetian Gondola Co., James McLagan, Secretary. Venetian gondolas and state barges, operated on the lagoons. Charges, from 25 cents up per person.

**Electric Launches**, Electric Launch and Navigation Co., C. D. Wyman, General Manager. Transportation through lagoons and basins. Charge, 50 cents.

**Whaling Bark "Progress"**, Arctic Whaling Exhibit Co., M. M. Felix, Manager. Whaling Bark "Progress" containing museum of marine curiosities and relics. In the South Pond. Admission, 5 cents.

**Mammoth Crystal Cave**, Horticulture Building, Keith and Allabough. Reproduction of the Mammoth Crystal Cave at Deadwood, South Dakota. Sale of relics found therein. Admission, 10 cents. Van Houten C. J. & Zoon. Exhibit of fossils.

**Movable Sidewalk**, Long Pier. Multiple Speed and Traction Co., W. E. French, President. Electrically propelled sidewalk. Charge, 5 cents.

**Electric Intramural Railway**, Columbia Intramural R. R. Co., W. E. Baker, General Manager. Elevated electric railway about Jackson Park,  $6\frac{1}{4}$  miles long. Trip, 10 cents.

**Esquimaux Village**, P. D. Daniel, President of Arctic World's American Exposition Co. Esquimaux Village of 12 huts, sealskin tent, representative Eskimo house, 37 Esquimaux dogs, 2 reindeer, kayacks, spears and whips, curios. Admission, 25 cents.

**Cliff Dwellers Exhibit**. Constructed by the H. I. Smith Exploring Co. The exhibit is a reproduction of "Battle House," "McElmo Valley scale  $\frac{1}{16}$ ." Reproductions of "Cliff Palace," "Square Tower House," "Balcony House" and "High House" scale  $\frac{1}{16}$ ; also several thousand artifacts taken from ruins in the cliffs, including pottery, weapons, implements, ornaments, clothing and remains of mummified bodies. Admission, 25 cents.

Exhibit  
No.

**63. Nippon Tea House**, The Central Tea Association, H. Komada, Manager. Light lunches and samples of high grade teas. Admission, 10, 25 and 50 cents.

### STATE BUILDINGS.

**64. Texas State Building**, L. J. L. Johnson, Superintendent.

**65. Colorado State Building**, O. E. French, Secretary.

**66. Montana State Building**, W. M. Bickford, Ex-Commissioner.

**67. Maine State Building**, C. P. Mattox, Ex-Commissioner.

**68. Minnesota State Building**, L. P. Hunt, Superintendent.

**69. New Jersey State Building**, W. S. Lenox, Secretary.

**70. Ohio State Building**, W. T. Alberson, Secretary.

**71. Washington State Building**, G. V. Calhoun, Ex-Commissioner.

**72. Iowa State Building**, F. N. Chase, Secretary.

**73. California State Building**, C. M. Wells, Secretary.

**74. Connecticut State Building**, J. H. Vaill, Ex-Manager.

**75. Maryland State Building**, G. L. McCahan, Ex-Commissioner.

**76. New York State Building**, John Foord, Secretary.

**77. Louisiana State Building**, T. J. Woonaid, Ex-Commissioner.

**78. North Dakota State Building**, Alfred Dickey, Ex-Commissioner.

**79. Indiana State Building**, Benj. F. Havens, Ex-Commissioner.

**80. Kansas State Building**, A. M. Clark, Secretary.

**81. Virginia State Building**, Jno. S. Apperson, Ex-Commissioner.

**82. West Virginia State Building**, W. N. Chancellor, President.

**83. Pennsylvania State Building**, A. B. Farquhar, Ex-Commissioner.

**84. Massachusetts State Building**, E. C. Hovey, Secretary.

**85. Nebraska State Building**, Jos. Garneau, Commissioner General.

**86. Kentucky State Building**, W. H. Dulaney, President.

**87. South Dakota State Building**, Thos. H. Brown, Secretary.

Exhibit  
No.

21. Statue of a Youth, from the Acropolis of Athens.
22. Slab from the Parthenon frieze, belonging near the middle of the east front. It represents three seated divinities, Poseidon (Neptune) and perhaps Apollo and Ceres.
- 23-25. Three slabs from the balustrade originally surrounding the temple of Niké Apteros (Wingless Victory) on the Athenian Acropolis. On the first is a Niké standing erect; on the second, another Niké untying her sandal; on the third, two Nikés leading a cow or bull to sacrifice.
26. Sculptured block from the Erechtheum.
27. Statuette of Athena (Minerva), found at Athens in 1859. It owes its celebrity to the fact that it was the first to be recognized as a copy, though an imperfect one, of the gold and ivory statue of Athena by Phidias.
28. Statuette of Athena (Minerva), found at Athens in 1880. It is a copy, made in the Roman period, of the gold and ivory statue of Athena by Phidias.
29. Female head, from the sanctuary of Hera (Juno) near Argos; found in the excavations conducted by the American School of Classical Studies at Athens in 1892.
30. Metope, from the Temple of Hera near Argos, representing a youthful warrior; found as No. 29.
- 31-32. Two heads, of about half life size, representing barbarians (Amazons or Persians); found as No. 29.
33. Female head, of about half life size, found on the same site as Nos. 29-32 by Rhangabé and Bursian in 1854.
34. Lion's head gargoyle from the Temple of Hera near Argos; found as No. 33.
35. Torso of a Niké, probably from the same source as Nos. 33, 34.
- 36-38. Three heads found near Tegea in Arcadia and belonging to the pediment sculptures of the temple of Athena Alea there. The temple was built soon after 395 B. C. by Scopas. The sculptures were probably executed by Scopas, or at least by one of his pupils. Nos. 36, 37 are heads of young men, the one severely wounded, the other still in active combat. No. 38 is the head of the Calydonian boar, which figured in the east pediment.
39. Niké (Victory), found in the sanctuary of Asclepius at Epidaurus. It resembles the Niké of Præmion, found at Olympia.
- 40-41. Two heads of Nikés from Epidaurus, similar to the foregoing.
- 42-48, 50. Sculptures found in the sanctuary of Asclepius at Epidaurus and belonging to the pediments of the temple of As-

Exhibit  
No.

- clepius. They date from the first third of the fourth century B. C.
49. Nereid from Epidaurus, perhaps an *acroterium* of the temple of Asclepius.
51. Relief representing Asclepius seated, found as Nos. 39-50.
52. Lion's head gargoyle from the *Tholos* (circular building) at Epidaurus.
53. Square pedestal. On the front is an inscription, from the last line of which we learn that the object supported by the pedestal and, probably, the pedestal itself were the work of the artist Bryaxis (ca. 360 B. C.). On the three sides are three horsemen, who had been successful competitors in the cavalry exercise.
- 54-56. Three bas-reliefs found at Mantinea in Arcadia. Pausanias says that in one of the temples of Mantinea there was a group of statues by Praxiteles, representing Leto (Latona), Artemis (Diana) and Apollo, and adds that on the pedestal were sculptured a Muse and Marsyas playing the flute. Nos. 54-56 certainly belong to this pedestal, and are therefore to be regarded as a work of Praxiteles or his school. They represent the musical contest of Apollo and Marsyas, at which the Muses, the usual companions of Apollo, assist as arbiters. No. 54 represents Apollo, a Phrygian slave and Marsyas. The god is seated, holding the cithara with his left hand. Marsyas, whose violent attitude contrasts with the calmness of Apollo, is playing for the last time on the flute; between them stands the slave, holding the knife with which he is to execute the impending sentence, the flaying of Marsyas. Nos. 55 and 56 represent Muses.
57. Relief representing probably a priestess, found at Mantinea; a work of the fifth century.
58. Hermes (Mercury) with the infant Dionysus (Bacchus), an original work of Praxiteles, found at Olympia and now in the museum there. In his right hand he held some object, perhaps a bunch of grapes. This is the only authenticated original sculpture by Praxiteles in existence, and is an unrivaled specimen of Greek art in the fourth century, B. C.
59. Hermes (Mercury) found on the island of Andros in 1833. It is, beyond a doubt, the finest statue in the National Museum at Athens. Its resemblance to No. 58, as well in workmanship as in pose, is obvious. It is therefore probably a work of original or copy of the school of Praxiteles.
60. Youthful male head, above life size, found at Eleusis; an admirable work of the fourth century.

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Head closely resembling the forego-  
ing, also from Eleusis.

Head of a goddess, found in the sanctu-  
ary of Asclepius at Athens; a master-  
piece of the fourth century.

Female head found at Delos; a work  
of the fourth century.

Head of Apollo, found at Laurium; a  
work of the fourth century.

Female head found in the sanctuary  
of Asclepius at Athens, and representing  
probably Hygieia, the goddess of health;  
work of the fourth century.

Colossal sculptures found at Ly-  
curia in Arcadia; a female head wear-  
ing a veil, another female head, a male  
head, and a large piece of drapery orna-  
mented with figures and decorative pat-  
terns in relief. These fragments belong  
to a group of four statues, which stood in  
the temple of Despoina (Persephone), and  
which represented Despoina, Demeter,  
Artemis (Diana) and the Titan  
Prometheus. The sculptor was Damophos,  
a senior artist, who flourished toward  
the middle of the fourth century.

Sculptures found at Eleusis. They  
are reduced copies, made in the Roman  
period, of sculptures of the Parthenon  
period.

Grave relief from Thespiæ in Boeotia,  
representing a standing youth and a dog.  
The monument was executed in the latter  
part of the fifth century, but was used a  
great time in the Roman period, when  
an inscription was engraved.

Grave relief from Aegina, represent-  
ing a youth standing before a square pil-  
lar, in which there is a cat. He holds a  
spear in his left hand and extends his right  
arm toward a suspended bird-cage(?).

Grave relief from the Dipylon ceme-  
tery at Athens, representing a seated  
man clasping the hand of a young  
man between the two a bearded man.

Grave relief found near Athens, repre-  
senting a young man, his father, a sorrow-  
ing woman and a dog.

Grave monument in the form of a  
vase (slender, one-handed vase), found  
in the east of ancient Athens, near the  
Acropolis.

Grave relief, found near Athens, repre-  
senting two women, a bearded man and a  
girl.

Grave relief from the Dipylon ceme-  
tery, commemorating a woman named  
Anastasia.

Grave relief from the Piræus, com-  
memorating Ameinocleia.

### Exhibit

No.

81. Grave relief from Attica, commemorat-  
ing Archestratê.

82. Grave relief, still in the Dipylon ceme-  
tery, commemorating Dexileos, who, ac-  
cording to the accompanying inscription,  
fell in battle in 394 B. C. in the twentieth  
year of his age. He is represented on  
horseback, in the act of striking down an  
enemy.

83. Grave relief, still in the Dipylon ceme-  
tery, commemorating Demetria and Pam-  
philê.

84. Grave relief, found in the Dipylon  
cemetery in 1890 and still there. It  
represents a standing woman, holding in  
her right hand an *anachoe*.

85. Grave relief still in the Dipylon ceme-  
tery. It represents the deceased Hegeso,  
daughter of Proxenus, seated upon a chair.  
Before her stands a female slave, holding  
out a box from which she takes some  
object—necklace or the like—which was  
probably represented originally by color.  
This is one of the most beautiful of Attic  
grave reliefs.

86. Grave relief still in the Dipylon ceme-  
tery, commemorating Corallion, wife of  
Agathon.

87. Froud, serving as a grave monument,  
and still in the Dipylon cemetery.

88. Grave relief still in the Dipylon ceme-  
tery. It represents two bearded men  
reclining on a couch, before which is a  
table with eatables. At each end of the  
table is a seated woman. Below, at the  
left, is the forward end of a boat with a  
boatman. Interpretation doubtful.

89. Votive relief of the class known as  
Funeral Banquets. This one goes under  
the name of The Death of Socrates.

90. Votive relief to Asclepius, from Thy-  
rea.

91. Votive relief from Piræus, represent-  
ing Dionysus reclining on a couch, with a  
female figure seated at his feet; to the  
left, a company of three actors.

92. Three-sided pedestal, found at Athens  
by the ancient (street of Tripods). On the  
sides are Dionysus and two Nikês.

### Sculptures of the Hellenistic and Roman Periods.

93. Colossal statue of Themis (Justice),  
found at Rhammus in Attica. It is the  
work of one Chares of Stratonicea, who lived about  
the beginning of the third century, B. C.;  
one of the most important sculptures of  
the National Museum at Athens.

94. Colossal statue of Poseidon (Neptune)  
found on the island of Melos. The work  
seems to belong to the Hellenistic period.

Exhibit  
No.

- A trident is to be restored in the right hand.
95. Asclepius, found in Piræus.
96. Hermes, found at Atalante. It was probably made late in the Hellenistic period, after a model of the fourth century. In the right hand is a purse, in the left the *caduceus* (herald's wand).
97. Hermes, found at Trœzen in Argolis. This is an excellent work of the Roman period, after a model of the fourth century. By the side of the god is a ram, which he grasps by the horns.
98. Statuette of Pan, from Sparta, holding the *syrix* (shepherd's pipe) in his left hand.
99. Colossal head of Athena (Minerva) found at Athens; an interesting copy, made probably in the third century, of the original represented by the Velletri Pallas.
100. Warrior in combat, found at Delos. The statue is remarkable as well for the vigor of its conception as for the anatomical knowledge it displays. In both respects it suggests comparison with the Borghese gladiator of the Louvre.
101. Youth from Athens. In the proportions and form of the body and in the

Exhibit  
No.

- somewhat archaistic style, this statue resembles the Orestes by Stephanus in the Villa Albani, Rome.
102. Bust of the Emperor Hadrian (second century A. D.) from Athens.
103. Bust of a bearded man from Athens.
104. Bust of Antinous, the favorite of the Emperor Hadrian; found at Patras.
105. Statue of a young man from Eleusis. He was represented as a victor in the games, in the act of placing a crown upon his head. It is a copy of a work of which other copies exist.
106. Statue of Bacchus (?) found in the American excavations at Sicyon.
107. Head of Medusa, in the Museum at Argos.
- 108-109. Two reliefs found in the Dionysiac theater at Athens, representing dancing women; Roman period.
110. Bust of Hermarchus, disciple and successor of Epicurus.
111. Statue of Tyché (Fortune) found in Egypt and presented to the National Museum of Greece by Dranet Pasha. The goddess holds in her right hand a horn of plenty, in her left a rudder.
112. Pedestal found in the sanctuary of Asclepius at Athens. On it are represented various surgical instruments.

## Mexico.

Location—O, P, Q, 10.

## GROUP 160.

Exhibit	Class'n No.
Federal District, Government of the, Mexico. Aztec furniture.	943
Fomento, Secretary of, Mexico. Musical instruments.	948
Guerrero, Government of the State of. Dark cloaks for protection against the ether.	946
Oaxaca, Government of the State of.	
a Articles for domestic use.	943
b Indian wearing apparel and ornaments.	946
Puebla, Government of the State of.	
a Furniture and articles for domestic use.	943
b Indian clothing.	946
Scientific Institute, Toluca.	
a Articles for domestic use and musical instruments.	943
b Pipe.	944
c Old skulls.	945
d Aztec ornaments for the person.	946
Tlaxcala, Government of the State of. Indian clothing.	946

## GROUP 161.

Cordoba, Luis G., Zacatecas. Lance and battle axes.	
Federal District, Government of the, Mexico. Shields and Aztec arms.	
Fomento, Secretary of, Mexico. Shields and photographs of Mexican elders.	
Puebla, Government of the State of. Aztec weapon.	
Scientific Institute, Toluca. Aztec shields.	
Ulloa, J. Antonio, Zacatecas. Tezcatl or war drums.	

## GROUP 162.

Puebla, Government of the State of. Articles for industrial use.	949
Scientific Institute, Toluca.	
a Clay mugs.	948
b Articles for industrial use.	949

## GROUP 164.

Aguilar, Cayetano, Izcaquixtla, Puebla. Idol.	
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## Exhibit

## Class'n

No.

No.

17. Antonio, Jose, Coxcatlan, Puebla.

Idol.

18. Cedillo, Marcial A., Zinacantepec,

Puebla. Idols.

19. Federal District, Government of the,

Mexico. Idols.

20. Maldonado, Eugenio, Coxcatlan, Pu-

eblla. Idols.

21. Mexican Central Railway, Mexico.

Stone head and idols.

22. Ponce de Leon, R., Culiacan, Sinaloa.

Stone idols.

23. Puebla, Government of the State of.

Idols.

24. Reyes, Francisco, Coxcatlan, Puebla.

Idol.

25. Scientific Institute, Toluca. Idols.

## GROUP 165.

26. Avalos, Juan de D., Durango. Articles belonging to Gen. Guadalupe Victoria and Count de Revillagigedo and in use in the Mexican academy; autograph of Morelos.

27. Gardano & Co., Puente del Oro, Guerrero. Ancient coins.

28. Mexican Central Railway, Mexico. Mexican coins, pieces of obsidian and plaster casts of Aztec calendars.

29. Navarrete, Francisco, Acatlan, Puebla. Indian coins.

30. Oaxaca, Government of the State of. Models of hanging bridges.

31. Puebla, Government of the State of. Copies of antique manuscripts and photographs of Mexican Indians.

32. Scientific Institute, Toluca. Water color paintings of antiquities, human skulls and jaw bones.

## GROUP 168.

33. Federal District, Government of the, Mexico. Model of ancient Mexico.

34. Fomento, Secretary of, Mexico. Casts of inscriptions on stone, models of ancient ruins, album Zapoteco, description of ancient monuments and books on Mexican monuments and antiquities.

35. Fuentes, Heliadora, Colima. Ancient clay dog.

- | Exhibit<br>No. |   |
|----------------|---|
| 36.            | Hidalgo, Government of the State of. Album of antiquities.            |
| 37.            | Mexican Central Railway, Mexico. Books on Mexican antiquities.        |
| 38.            | Morelos, Government of the State of. Album of antiquities.            |
| 39.            | Penafiel, Antonio, Mexico. Books on antiquities.                      |
| 40.            | Ulloa, J. Antonio, Zacatecas. Album and plan of the ruins of Quemada. |
| 41.            | Yucatan, Government of the State of. Photographs of ancient ruins.    |
| 42.            | Zacatecas, Government of the State of. Photographs of ruins.          |

**GROUP 169.**

- |     |   |
|-----|---|
| 43. | Guerrero, Government of the State of. Photographic views and photographs of Indian types. |
| 44. | Oaxaca, Government of the State of. Photographs of Indian types.                          |

- | Exhibit<br>No. |   | Class<br>No. |
|----------------|---|--------------|
| 45.            | Puebla, Government of the State of. Models of country homes.        |              |
| 46.            | Tepic, Government of the Territory of. Photographs of Indian types. |              |
| 47.            | Vera Cruz, Government of the State of. Photographs of Indian types. |              |
| 48.            | Zacatecas, Government of the State of. Photographs of Indian types. |              |

**GROUP 171.**

- |     |  |     |
|-----|--|-----|
| 49. | Oaxaca, Government of the State of. Agricultural implements. | 965 |
| 50. | Ponce de Leon, R., Culiacan, Sinaloa. Stone axes and hammer. | 966 |
| 51. | Puebla, Government of the State of. Agricultural implements. | 965 |

**GROUP 173.**

- |     |   |
|-----|---|
| 52. | Valdes, Gomes, Francisco, State of Nuevo, Leon. Publications and photographs relating to the state. |
|-----|---|

## New South Wales.

Location—H, 13.

- | Exhibit<br>No. |  |
|----------------|--|
| 1.             | Board for the Protection of the Aborigines, Sydney. Loan collection of weapons of the aborigines of New South Wales; consisting of articles used by the Murrumbidgee, Castlereagh, Lurlingah, Nulla Nulla and the South Coast tribes; also, drawings by a native of the Ulladulla tribe, and specimens of hand-writing and needle-work by aboriginal children attending the school for aborigines at Warrangesda, on the Murrumbidgee river. 73 objects. |
| 2.             | Bowman, H. W., Ashfield, Sydney. Loan collection of ethnological specimens from the South Sea Islands.   |
| 3.             | Bundock, Mary E., Wyangarie, Castino. Loan collection of aboriginal weapons, etc. 13 objects.  |
| 4.             | Cameron, E., Ulmarra, Clarence river. Loan collection of New South Wales, aboriginal weapons. 6 objects.   |
| 5.             | Coleman, E., Lismore. Loan collection of aboriginal weapons, etc. 15 objects.  |
| 6.             | Commissioners for New South Wales, Sydney.   |

*a* Wooden idols, male and female, New Britain.

- | Exhibit<br>No. |  |
|----------------|--|
| <i>b</i>       | Collection illustrating the aborigines of Australia; boomerangs, spears, etc.; collected by H. Stockdale, Sydney. 208 objects.   |
| <i>c</i>       | Collection of articles of clothing, implements of war, and the chase, and tools of industrial operations of the natives of the South Sea Island groups; collected by the Rev. R. H. Rickard, Sydney. 96 objects. |
| <i>d</i>       | Collection of articles of clothing, tools and implements of industrial operations of the natives of the South Sea Island groups; collected by Dr. P. Wolfe, Sydney. 163 objects.                                 |
| <i>e</i>       | Sixty spears. Obsidian.  |
| <i>f</i>       | Series of 30 enlarged photographs of aborigines of New South Wales.  |
| <i>g</i>       | Two photographs enlarged from negatives supplied by the board for the protection of the aborigines.  |
| <i>h</i>       | Series of 115 enlarged photographs, illustrating the aborigines of New South Wales, the South Sea Islands, etc.; prepared by the government printer.   |
| <i>i</i>       | Fifteen photos of the Jenolan, Wellington and Yarongabilly caves.  |

hibit  
10.

Series of pamphlets on the aborigines of Australasia, etc.:

- 1 The aborigines of New South Wales, by John Fraser, B. A. LL. D.
- 2 Notes on the aborigines of New South Wales, by the Hon. Richard Hill, M. L. C., and the Hon. George Thornton, M. L. C.
- 3 "The South Pacific and New Guinea—Past and Present," by the Rev. W. Hyatt Gill, B. A.
- 4 "An Australian Language," by L. E. Threlkeld; edited by John Fraser, B. A. LL. D.

**Commissioners for New South Wales,** Sydney (per Department of Forests). Bark hut as used by the early settlers in the Australian bush, made from the bark of the "Stringy-bark" tree (eucalyptus bliqua).

**Elton, James Charles, Kempsey, Macleay river.** Loan collection of aboriginal weapons. 33 objects.

**Everitt, Captain Henry Charles, Sydney.** Loan collection of aboriginal weapons. 14 objects.

**Folbigg, James, Chatsworth Island, Clarence river.** Two specimens of the eilman (Shield) and Six-stone tomahawks.

**Fosbery, E., Inspector-General of Police, Sydney.** Stone axe head dug out the ground 100 feet below the surface.

**Hannay, James Blair, Sydney.** Loan collection of weapons from the Clarence and Richmond river districts.

**Hill, Frank, Sydney.** Three Mardoo bones (for powdering Mardoo seeds for food).

Exhibit  
No.

13. **Ilett, George, Milton.** Two drawings by "Mickey," a native of the Ulladulla tribe, N. S. W.

14. **Irving, J. C., Grafton, Clarence river.** Stone axe head and stone tomahawk head.

15. **Jenkins, Lieut. R. L. H. B., Woollahra, Sydney.** Loan collection of the weapons and implements of the natives of the South Sea Islands, New Guinea, etc. 40 objects.

16. **Lardner, Mrs. A., Grafton, Clarence river.** Dilly bag, 25 years old.

17. **Lichtner & Solomon, Sydney.** Collection of the idols, implements and utensils inlaid with pearl, of the natives of the New Hebrides and Solomon Islands. 89 objects.

18. **Liversidge, Archibald, M. A. F. R. S.,** professor of chemistry in the University of Sydney. Loan collection of aboriginal stone weapons of New South Wales, Victoria, New Zealand, New Guinea, New Britain and Fiji. 78 objects.

19. **Lumsdaine, Herbert S., Manager Bank of New South Wales, Casino.** Drawing by a native, and shell fish book.

20. **Morrison, A., Singleton.** Collection of aboriginal weapons.

21. **Mulica, W. H., J. P., West Maitland.** Loan collection of ethnological specimens chiefly from the South Sea Islands.

22. **Rainsford, John, Milton.** Drawing by "Mickey" of the Ulladulla tribe.

23. **Retallick, J., Ulmarra, Clarence river.** Collection of clubs, bow and arrows, etc.

24. **Wolfe, James E., J. P., West Maitland.** Loan collection of weapons of aborigines of New South Wales, etc. 94 objects.

## Paraguay.

**Ethnographical Collection, embracing the Indian tribes of the Upper Paraguay and Parana river and its affluents. Argentine Republic, Paraguay, Bolivia and Brazil.**

Location—L-6 to N-6.

### I. ARGENTINE REPUBLIC.

1. **Tobas.** *Gran Chaco Lower Pilcomayo.* Bows, arrows, clubs, spears, head ornaments, collars, ear pendants, bags, hammocks, roots, mats, etc.

### II. PARAGUAY.

#### A. Right shore of the Paraguay river.

2. **Matacos.** *Gran Chaco between Pilcomayo and Rio Confuso.* Bows, arrows, clubs, spears, head ornaments, collars, ear pendants, bags, roots, playthings, potteries, pegs, etc.
3. **Lenguas.** *Gran Chaco between Rio Confuso and San Salvador.* Bows, arrows with wood and iron points, spears, etc., stone axes, wooden spades, loins aprons, lip ornaments, collars, wooden ear plugs, etc.
4. **Angaites.** *Gran Chaco between San Salvador and Rio Galvan.* Bows, arrows for war, hunting; arrows for stunning birds, feather aprons, head ornaments, shell collars, fishing apparatus, bags, mats, rattles, etc.
5. **Sanapanas.** *Gran Chaco between Rio Galvan and Fecho Dos Morros.* Bows, arrows, clubs, spears, pegs, playthings, ponchos, musical instruments, feather ornaments, etc.
6. **Guanas.** *Gran Chaco, between Fecho Dos Morros and Bahia Negra.* Bows, arrows, clubs, spears, potteries, aprons, ponchos, shell and feather ornaments, bridles, musical instruments, etc.
7. **Cuximonopanas.** *Gran Chaco Territories, west of the Guanas and Sanapanas.* Bows, arrows, clubs, spears, wooden spades and axes, aprons, head, neck, ear rings, etc.; feather ornaments, bridles, rattles, mats, hammocks, etc.
8. **Chamacoccos-Brabos.** *Gran Chaco bordering the Bahia Negra to Bolivia.* Stone axes, stone chisels, bows and arrows, clubs, spears, killing sticks, feather work, bags, hammocks, potteries, etc.
9. **Chamacoccos-Mansos.** *Gran Chaco near Puerto Pacheco.* Bows and arrows, stone axes, clubs, spears, spades, aprons, weaving implements, feather ornaments, collars, hammocks, bags, etc.
- B. *Left shore of Paraguay river.*
10. **Payagua.** *Left bank of Paraguay river between Lambare and Limpio.* Clubs, bows and arrows, gourd ornaments, etc.

### C. PARANA RIVER.

11. **Tupiete.** *Between Nacunday and Monday.* Bows, arrows, collars, ornaments, etc.
12. **Tupi.** *Between Monday and Tacurupucu.* Bows, arrows, ornaments, bags, collars, pipes, etc.
13. **Guayana.** *Upper Monday and affluents.* Bows, arrows, ornaments, collars, whistles, etc.
14. **Guayaquil.** *Forests in the interior of Paraguay.* Very few known. Stone axes and stone ornaments.
15. **Cainguas.** *Upper part of Parana river, coast of Paraguay and Brazil.*

### III. BOLIVIA.

16. **Chamacoccos-Brabos,** *vide No. 8.*
17. **Chamacoccos-Mansos,** *vide No. 9.*
18. **Omiris.** *Gran Chaco west of the Chamacoccos.* Stone axes, bows, arrows 6 feet in length, feather ornaments, bags, etc.
19. **Paricis,** *vide No. 25.*
20. **Apiacas,** *vide No. 24.*

### IV. BRAZIL.

21. **Cadoeos.** *On both sides of Rio Nabilek until it empties into the Paraguay river.* Bows, arrows, clubs, spears, sculptures, weaving implements, straw hats and implements for their fabrication; potteries, dyeing materials, combs, hammocks, mats, ornaments of various kinds.
22. **Guatos.** *Between Paraguay and San Lorenzo and Cuyaba river.* Bows, arrows, clubs, ornaments, trophies, bone knives, bags, hammocks, etc.
23. **Coroados.** *Upper San Lorenzo river.* Bows, arrows, spears, fishing implements, feather and tooth ornaments, rattles, pipes, etc.
24. **Apiacas.**
25. **Paricis.**
26. **Barbados.** *Upper Paraguay and its upper affluents to Bolivia and Rio Beni.* Feather ornaments, bows, arrows, bone knives, tooth ornaments, fishing implements, beard of the Barbados, lip perforator, etc.; also numerous objects from neighboring tribes, obtained as war booty, the origin of which is very difficult to establish.

## Isolated Exhibits.

## MIDWAY PLAISANCE.

## GROUP 176.

bit

**Diamond Match Company.** Samples of diamond matches. No admission fee.

**Irish Industries Exhibit.** President, Countess of Aberdeen, Irish Village. Exhibit of Irish industries. Admission, cents.

**Working Man's Home.** Woman's Auxiliary, W. C. E. Philadelphia Branch. Social service section. Reproduction of one of the 172,000 cottages owned by workmen in Philadelphia. Free admission.

**International Dress and Costume Company.** President, G. W. Press. Exhibition of natives of different parts of the world in their appropriate costumes. Admission, 25 cents.

**Electric Scenic Theatre,** Arthur Schwartz, Concessionaire. Electric illumination as regards light effects. Admission, 25 cents.

**Log Cabin and Restaurant,** Emma Sinton, Concessionaire. Colonial relics of 16 from New England States. Free admission.

**Libbey Glass Works,** E. D. Libbey, President. Manufacturer of American glass and glassware. Admission, 10 cents.

**Venice-Murano Exhibiting Co.,** E. nuezzi, Manager. Exhibit and manufacture of Venetian glass and glass ware, and mural decorative mosaics. Admission, 10 cents.

**Irish Village,** Mrs. Ernest Hart, Concessionaire. Exhibit of Irish Donegal village and industries. Admission, 25 cents.

**Hagenbeck's Zoological Arena Co.,** Hoffheimer, Manager. Exhibit of caged animals, also ethnological collection of arms, marks, costumes, ornaments, from Ceylon, Pacific Islands and Northwestern America. Admission, 25 cents and \$1.00.

**Japanese Bazaar,** M. F. Tetsuka, Manager. Exhibit and sale of Japanese articles. Free admission.

**Dutch Settlements,** Oceanic Trading Co., H. N. Nichols, Manager. Exhibit of village and natives of the South Sea Islands. Admission, 25 cents.

Exhibit  
No.

13. **Java Village,** Java Chicago Exhibit Co. Exhibit of Javanese village and native industries. Admission, 10 cents.

14. **Vienna Bakery and Natatorium,** W. Loel, President. Restaurant and gymnasium. Admission, 25 cents.

15. **Panorama of the Bernese Alps,** M. Henneberg, Concessionaire. Panorama of the Bernese Oberland. The point of view is taken from the Maennlichen (7,700 feet) between the valleys of the Grindenwald and the Lauterbrunnen. Admission, 25 cents.

16. **German Village,** Dr. Ulrich Jahn, Concessionaire. Ethnographic museum of arms, wax figures of German heroes, etc. Also a representation of a Hessian rural town-hall and Black Forest, Westphalian, Upper Bavarian and Spreewald houses. Admission, 25 cents.

17. **Turkish Village,** Robert Levy, Concessionaire. Bazaar theatre, mosque, refreshment pavilion, Persian tent, grand bazaar, Turkish cafe, Bedouin camp, Cleopatra's needle, and Serpentine column. Admissions, 10 and 25 cents.

18. **Street in Cairo,** G. C. Prussing, President. Consists of temple, mosque, theatre, 62 shops, two sebils, Soudanese tents, with natives of Egypt and the Soudan. Admissions, 15 and 25 cents.

19. **Egyptian Temple,** Prof. Demetrius Mosconas, Concessionaire. Egyptian Temple (1800 B. C.). Admission, 25 cents.

20. **Zoopraxographical Hall,** Eadmund Muybridge, Concessionaire. Lectures on animal locomotion. Admission, 25 cents.

21. **Persian Palace,** Georges E. Khourie, Concessionaire. Restaurant, theatre and athletic performances. Admission, 25 cents.

22. **Moorish Palace,** James Blair, Manager. Moorish palace, palm garden, Moorish castle, harem, cave, kaleidoscope, wax figures, etc. Admission, 25 cents.

23. **Model of Eiffel Tower,** C. du Pasquier, Concessionaire. Model of Eiffel tower and of the gardens surrounding it, scale one-sixtieth. Admission, 10 cents.

24. **Parisian Art Glass Spinning,** August Leroy, Concessionaire. Manufacture and sale of French glassware. Admission, 10 cents.

Exhibit  
No.

25. **Ferris Wheel**, G. W. Ferris. A vertical revolving wheel 264 feet in height, capable of carrying 2,160 people. Fare, 50 cents.
26. **Ice Railway**, Rankin and De la Vergne, Concessionaires. Sleighs running over ice and snow artificially made by the De la Vergne method. Fare, 10 cents.
27. **Model of St. Peters, Rome**, L. de B. Spridon, Concessionaire. Model of St. Peter's Church, Rome, scale one-sixtieth; also models of Cathedral of Milan, Piombino Palace and St. Agnese Church, portraits of the popes, papal coats of arms, etc. Admission, 25 cents.
28. **Vienna Cafe**, Konig and Griesser, Concessionaires. Restaurant.
29. **French Pavilion and Cider Press**, Cotton and Ziemen, Proprietors. Manufacture and sale of cider. Admission free.
30. **Algerian and Tunisian Village**, Ganon and Siflico, Concessionaires. Algerian and Tunisian village consisting of 30 bazaars, theater, cafe and grand bazaar. Admission, 25 cents.
31. **East Indian Bazaar**, Ardesher and Byranji, Concessionaires. Exhibit and sale of East Indian goods. Admission free.
32. **Panorama of the Volcano of Kilauea**, Lorin A. Thurston, Concessionaire. Panorama of the Volcano of Kilauea, Island of Hawaii. Admission, 50 cents.
33. **Austrian Village and Old Vienna**, M. Jentysch, Concessionaire. Old Vienna, representation of a street 150 years ago. Manufacture and sale of Austrian articles in wood, amber, meerscham, glass, etc. Restaurant, style "Constantinmuegel," and museum of Egyptian paintings. Admission, 25 cents.
34. **Chinese Theater and Joss House**, H. Sling, Manager. Restaurant, theater, joss house, and sale of Chinese articles. Admission, 10 cents.
35. **Captive Balloon**, C. F. Morgan, President. Balloon carries 15 to 20 passengers to a height of 1,200 feet. Trip, \$2.00.
36. **Dahomey Village**, X. Pene, Concessionaire. Dahomey village of 30 houses, population of 69 people, museum of native arms, etc. Admission, 25 cents.
37. **Ostrich Farm**, E. J. Johnson, Concessionaire. Exhibit of 28 living ostriches. Admission, 10 cents.
38. **Lapland Village**, P. H. Coney, President. Village of 24 Laps with reindeer, showing every-day life of the Laplanders. Admission, 25 cents.
39. **Hungarian Concert and Concert Hall**, J. O'Connor. Concerts by the

Exhibit  
No.

- Hungarian Ethnographic Concert Company of Buda-Pesh. Admission free.
40. **Bedouin Camp**, P. K. Bristani, Concessionaire. Showing Arab life in the desert. Performances from 10 to 12 A. M., and from 2 to 6 P. M. Admission, 25 cents.
41. **Sitting Bull Log Cabin**, P. B. Wickham, Manager. The original log cabin belonging to Sitting Bull and the one in which he was killed. Indian arms and curios, relics from the Custer battle-field. Admission, 10 cents.
42. **The Barre Sliding Railway**, D. L. Thayer, President. The length of the road is one mile, the cars being propelled by hydraulic water pressure. Each ride, 10 cents.
43. **American Indian Village**, Roddy and Wyatt. Winnebago Indian Village and sale of Indian work and curios. Admission, 10 cents.
44. **Moorish Mosque of Tangiers**, Jacob Benchetrit, Concessionaire. Sale of photos and Moorish work. Admission free.
45. **Colorado Gold Mining**, R. A. Campbell, Concessionaire. Model showing the working of a gold mine in Colorado. Admission, 10 cents.
46. **Bulgarian Curiosities**, E. S. Yovtcheff, Concessionaire. Sale of Bulgarian curios. Admission free.
47. **Brazilian Concert Hall**, A. Ribeiro, Concessionaire. Dances given by the natives of the State of Maranhão, North Brazil, and sale of curios. Admission, 10 cents.
48. **The United States Sub-Marine Diving Co.**, J. J. Mannion, Concessionaire. Exhibit of sub-marine diving, showing manner of recovering articles lost at sea. Admission, 10 cents.
49. **Camera Obscura**, Carl Memethy and Adolph Gaul. Exhibit of views of a portion of the fair grounds. Transformed by a camera obscura. Admission, 10 cents.
50. **French Novelties and Mosaics**, E. Valensin, Concessionaire. Exhibit and sale of French novelties, and manufacture and sale of mosaics. Admission free.
51. **Johore Bungalow and Village**, Rounsevelle Wildman, Concessionaire. Johore Village, models of native vessels, curios, arms and native merchandise for sale. Admission 10 cents.
52. **Pueblo Indian Village**, S. B. Mills, Concessionaire. Indian Village, showing the manner of life of the natives. Indian curios for sale. Admission 10 cents.

## JACKSON PARK.

53. **Steam Launches**, World's Fair Steam

Exhibit

Launch Co., E. R. Meeker and Chas. P. Villard. Steam launches—Transportation on Lake Front, South Pond, Grand basin and North Lagoon. Round trip, 25 cents.

**Gondolas, World's Fair Venetian Gondola Co., James McLagan, Secretary.** Venetian gondolas and state barges, operated on the lagoons. Charges, from 25 cents up per person.

**Electric Launches, Electric Launch and Navigation Co., C. D. Wyman, General Manager.** Transportation through lagoons and basins. Charge, 50 cents.

**Whaling Bark "Progress," Arctic Whaling Exhibit Co., M. M. Felix, Manager.** Whaling Bark "Progress" containing museum of marine curiosities and relics. In the South Pond. Admission, 5 cents.

**Mammoth Crystal Cave, Horticulture Building, Keith and Allabough.** Reproduction of the Mammoth Crystal Cave at Deadwood, South Dakota. Sale of curios found therein. Admission, 10 cents. Van Houten C. J. & Zoon. Exhibit of sea.

**Movable Sidewalk, Long Pier, Multiple Speed and Traction Co., W. E. Ruess, President.** Electrically propelled sidewalk. Charge, 5 cents.

**Electric Intramural Railway, Columbian Intramural R. R. Co., W. E. Baker, General Manager.** Elevated electric trolley about Jackson Park,  $6\frac{1}{4}$  miles long. Trip, 10 cents.

**Esquimaux Village, P. D. Daniel, President of Arctic World's American Exposition Co.** Esquimaux Village of 12 huts, sealskin tent, representative snow house, 37 Esquimaux dogs, 2 reindeer, kayacks, spears and whips, curios. Admission, 25 cents.

**Cliff Dwellers Exhibit.** Constructed by the H. I. Smith Exploring Co. The building is a reproduction of "Battle Rock" McElmo Valley scale  $\frac{1}{10}$ . Reproductions of "Cliff Palace," "Square Tower House," "Balcony House" and "High House" scale  $\frac{1}{10}$ ; also several thousand objects taken from ruins in the cliffs, including pottery, weapons, implements, ornaments, clothing and remains of mummified bodies. Admission, 25 cents.

Exhibit  
No.

63. **Nippon Tea House, The Central Tea Association, H. Komada, Manager.** Light lunches and samples of high grade teas. Admission, 10, 25 and 50 cents.

## STATE BUILDINGS.

64. **Texas State Building, L. J. L. Johnson, Superintendent.**

65. **Colorado State Building, O. E. French, Secretary.**

66. **Montana State Building, W. M. Bickford, Ex-Commissioner.**

67. **Maine State Building, C. P. Mattox, Ex-Commissioner.**

68. **Minnesota State Building, L. P. Hunt, Superintendent.**

69. **New Jersey State Building, W. S. Lenox, Secretary.**

70. **Ohio State Building, W. T. Alberson, Secretary.**

71. **Washington State Building, G. V. Calhoun, Ex-Commissioner.**

72. **Iowa State Building, F. N. Chase, Secretary.**

73. **California State Building, C. M. Wells, Secretary.**

74. **Connecticut State Building, J. H. Vaill, Ex-Manager.**

75. **Maryland State Building, G. L. McCahan, Ex-Commissioner.**

76. **New York State Building, John Foord, Secretary.**

77. **Louisiana State Building, T. J. Wouonaud, Ex-Commissioner.**

78. **North Dakota State Building, Alfred Dickey, Ex-Commissioner.**

79. **Indiana State Building, Benj. F. Havens, Ex-Commissioner.**

80. **Kansas State Building, A. M. Clark, Secretary.**

81. **Virginia State Building, Jno. S. Apperson, Ex-Commissioner.**

82. **West Virginia State Building, W. N. Chancellor, President.**

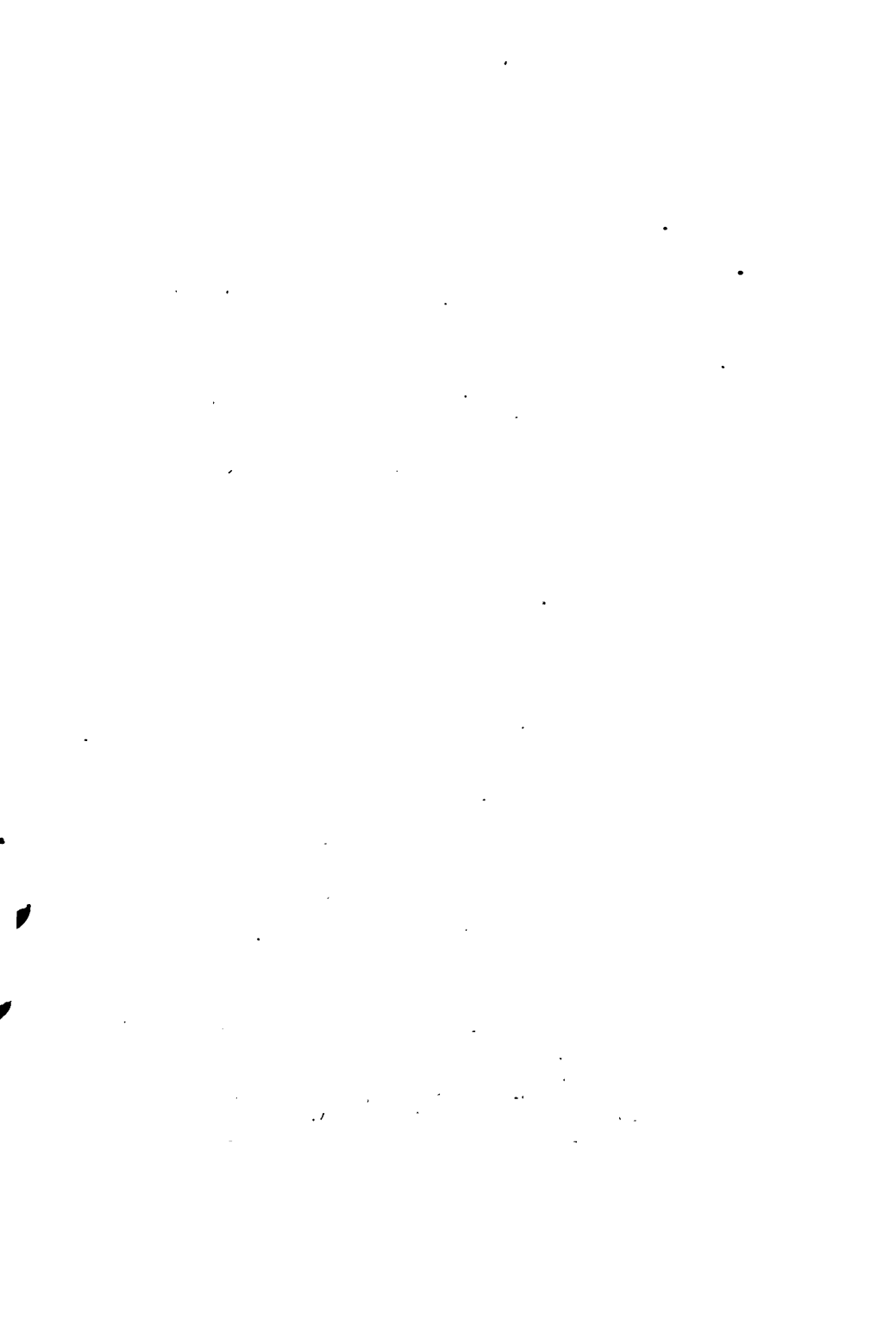
83. **Pennsylvania State Building, A. B. Farquhar, Ex-Commissioner.**

84. **Massachusetts State Building, E. C. Hovey, Secretary.**

85. **Nebraska State Building, Jos. Garneau, Commissioner General.**

86. **Kentucky State Building, W. H. Dulaney, President.**

87. **South Dakota State Building, Thos. H. Brown, Secretary.**

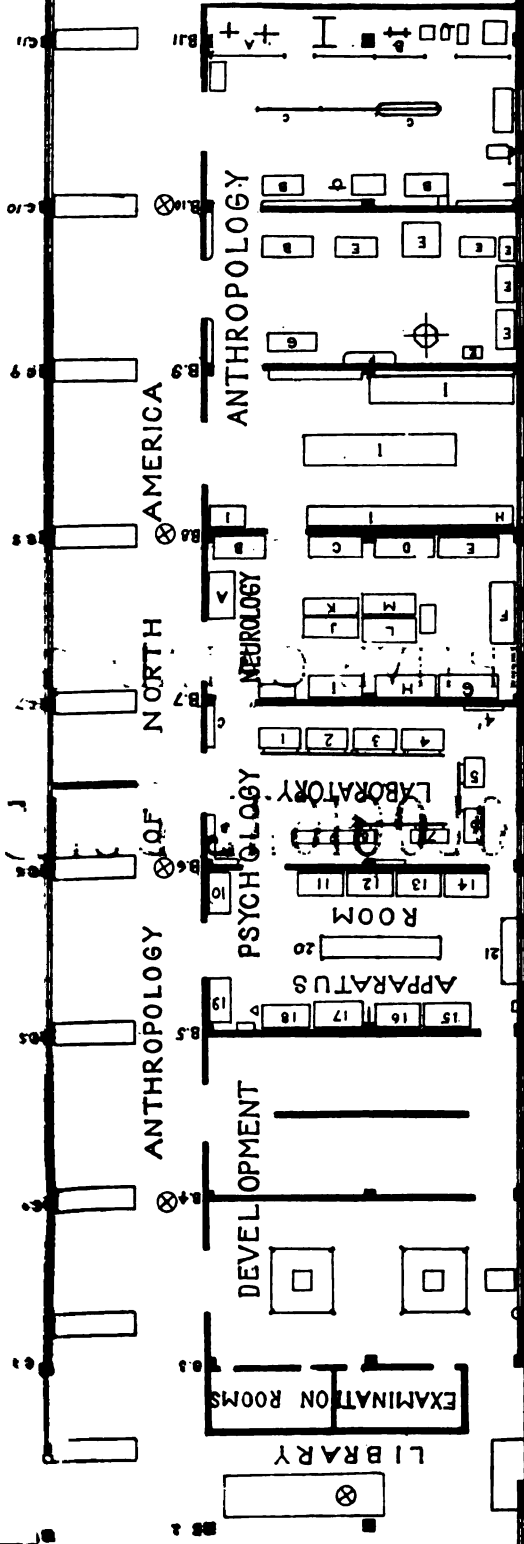


DESCRIPTIVE CATALOGUE  
ANTHROPOLOGICAL BUILDING.

RECORDED IN EXHIBITION

MADE

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**ANTHROPOLOGICAL LABORATORIES,**  
**WORLD'S COLUMBIAN EXPOSITION.**

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The Anthropological Laboratories contain three general divisions :

1. PHYSICAL ANTHROPOLOGY.
2. NEUROLOGY.
3. PSYCHOLOGY.

Besides these subdivisions two special subjects have ved particular attention :

4. GROWTH AND DEVELOPMENT.
5. ANTHROPOLOGY OF NORTH AMERICAN INDIANS.



# Section of Anthropology

FRANZ BOAZ, *in charge.*

(Located in Room C-11 to C-10.)

## A. THE APPLICATION OF STATISTICS TO ANTHROPOLOGY.

ie laws of chance. An equal number of black and colored balls are placed in a box hundred drawings are made one would expect to draw fifty white and fifty black. This is not actually the case but the balls are drawn in different proportions.

the frequency with which forty-nine, forty-eight, etc., white balls are drawn is shown grams. As these drafts depend upon chance, the characteristic curve indicating the icy of each number may be said to express a law of chance.

an apparatus designed by Francis Galton shot is allowed to fall down, striking on age a great number of regularly distributed pins. The frequency with which the rikes these pins depends upon chance. Therefore it may be expected that the cy of deviation from the vertical line will show an arrangement corresponding in er to the deviations from the average in drawing balls. A comparison of the dia- will show this to be the case. The longer the distance through which the shot falls ater is the number of disturbing points. The compartment vertically under the f entrance is the fuller the shorter the distance, and the outlying compartments the fuller the longer the distance through which the shot falls.

as it is shown that the curve formed by the surface of the shot in the compartments s the flatter the greater the number of disturbing causes. When the shot falls two separate holes a similar arrangement results.

stead of drawing these curves in steps as done in the previous diagrams, it is try to connect the central points of the sections by straight lines. The effect of this n in a number of diagrams.

en comparing the distribution of various measurements of man with the results of tions depending upon chance, their similarity becomes at once apparent. Slight- rities will be noticed, however, which show that they do not correspond absolutely. e seen that some curves are higher in the middle than others, showing that the hich produce deviations from the average are not so numerous in one case as in r. The correspondence between the two kinds of curves is sufficient to permit the ion of statistical methods which are based on the laws of chance to anthropometry. e measurements are grouped about an average; this average becomes the more e the greater the number of measurements which are combined in it. Its accuracy s in proportion to the square root of the number of cases which are combined. e computation of averages, of proportions and other tabulations are facilitated by f computing machines and tables, some of which are on exhibition.

## INSTRUMENTS FOR TAKING MEASUREMENTS OF THE BODY.

ong the more important anthropometric measurements are stature, height sitting, of arms, etc. A full series of apparatus for taking measurements are shown. A

### C. ANTHROPOLOGICAL NOMENCLATURE AND CLASSIFICATION.

**Types of skulls**, for explaining nomenclature and classification. Skulls are compared according to the proportion of their length and breadth; length and height; height and breadth of face; height and breadth of nose and the degree of projection of the teeth and alveoli. Accordingly there are distinguished, long and short, low and high, broad-faced and narrow-faced, broad-nosed and narrow-nosed, and prognathic or orthognathic skulls. All of these proportions and several others are more or less typical for various races.

**Charts explaining the anthropometric terminology.**

**Instructions and blanks used for anthropometric investigations**, explaining the method pursued in different institutions and countries.

In connection with this section measurements of the body, of weight and of strength are carried on in order to better illustrate the method and object of these inquiries.

### D. RESULTS OF ANTHROPOLOGICAL INVESTIGATIONS.

**Anthropometry of the North American mulattoes.** The average stature of mulattoes is about the same as that of American whites of the Atlantic coast, averaging about 166 cm for men and 159 cm for women. The stretch of arms or finger-reach is, on the other hand, considerably longer, being 182 cm in men and 169 cm in women, as compared to about 177 cm in white men and 161 cm in white women. Consequently the finger-reach index of the proportion of finger-reach to stature is much larger than in whites, reaching 106 per cent in men and 106 per cent in women. The sitting height is lower than that of whites. The length of head is slightly longer, the width of head considerably shorter, giving the head a more elongated form. The width of the face is about that of the whites.

**Finger prints of North American Indians**, exhibited by Prof. F. Starr. According to Francis Galton finger prints are characteristic of each individual. A comparison of forms shows a great variety among the same group of people.

**Charts showing the distribution of statures in the city of Paris**, exhibited by Dr. L. Manouvrier. On one chart the stature of enlisted soldiers from Paris are tabulated. On another one the more or less favorable social conditions are entered. A comparison shows that the better the conditions the higher the stature.

**The statures of soldiers enlisted during the War of the Rebellion**, according to Dr. B. A. Gould, showing differences in stature according to the nativity of soldiers. Those born in the western states are taller than those born in the eastern states, who in their turn are taller than those born in Europe.

**Distribution of statures in Italy**, according to R. Livi. The map shows a general decrease in stature from north to south in Italy. The accompanying diagrams indicate that the variability does not show any regular distribution.

**Distribution of length-breadth index in Italy.** The map shows that the length-breadth index decreases from north to south, the head being decidedly short in the extreme north, decidedly long in the extreme south. It appears at the same time that people are more uniform in the north and in the south than in the intermediate region, thus indicating that in the latter district intermixture has taken place.

**Curves showing the statures of Americans at various ages.** A series of curves indicate how many among each one hundred individuals are taller and shorter than a certain given height. A person by stepping up against the curves at the point corresponding to his or her age may read off at once how many among each one hundred persons of his or her age are taller and shorter than he or she.

**Anatomical and physiological measurements of the two sexes**, exhibited by Dr. L. Manouvrier.

Diagrams representing the mean proportions of the body, according to age, sex and race, exhibited by Dr. L. Manouvrier.

A diagram exhibiting the forms of the tibia, exhibited by Dr. L. Manouvrier.

**Correlation of dimensions of the body.** The dimensions of the body are correlated in a way that, for instance, tall individuals have longer heads than short individuals. The length of the head is, however, not proportionately longer, but increases much more slowly than the length of the body. In the same way individuals with long heads are not such with short heads. Their statures, however, do not increase in proportion to the length of their heads but much more slowly. The nearer proportionate this increase, the closer is the correlation. Therefore, curves expressing mutual correlations come most nearly when the correlation is close. They form almost a right angle when the correlation is slight. The curves show that the correlation between the size of the head and the stature is slight, that the correlation between breadth of head and breadth of the body is very close.

Room C-10 to C-9, **Types of European skulls and faces.** Exhibitor, Prof. J. Kollmann. Extreme types are distinguished, one with a very narrow and high face, another with a very broad face. The correlation of the form of the face and of the skeleton of the skull is shown by means of pictures and photographs.

**Photographs showing types of skulls found in Switzerland,** exhibited by Dr. Bannert, Berne, Switzerland.

**Length-breadth indices from various parts of Europe.** The length-breadth of the skulls of Europeans averages 88 but is quite irregularly distributed. The population being of very diverse origin the index shows a wide range of variation. It is remarkable that the range of the country population of Bavaria and the Tyrol is still greater. The variability of these three groups exceeds very much the average variability found among other peoples, such as the North American Indians.

## E. DRAWING INSTRUMENTS.

In order to make accurate comparisons between forms of the body orthogonal drawings are very serviceable. In such drawings perspective distortions are avoided. The drawings are either made by means of a point which is held vertically to the drawing board and which touches the skull, while a pencil which is placed exactly in the axis of the point makes the drawing (stereograph of Broca), or by means of diopters in which case the dioptra follows the outlines of the skull, while a drawing point marks the movements of the pencil.

**Lambelli's tachycraniograph.** This instrument allows to draw quickly cross sections of the skull in any desired direction full size, half size or one-third size.

**Apparatus for recording outlines of the body.** Outlines of the body may be recorded either by means of pantographs, by orthogonal projections or by determining a series of selected points. Dr. Jay W. Seaver's pantograph is an example of the first class of instruments; the various forms of the Démeny apparatus for recording the curvature of the back and of the median section of the body record directly orthogonal projections. Démeny's apparatus for horizontal cross-sections, the person steps into a ring fitted with adjustable points, which adjust themselves to the outline of the body and are clamped in this position. Adams' anthropograph is designed to draw cross sections of the body, which are recorded by means of a horizontal pencil that moves along the skin, its opposite end being guided by a certain curve. Then a sheet of paper is placed in the instrument and the pencil is allowed to follow the first curve. By this means the outline of the body is reproduced.

## F. COMPOSITE PHOTOGRAPHS AND STATUES.

**Apparatus for taking composite photographs.** Photographs which are to be combined are placed in the frame and adjusted by means of a ground glass, so that eyes and mouth coincide. Then they are exposed a fractional time so that the total time of exposure is sufficient to produce a good negative. Results of such combinations of individuals selected among various classes of people, also combinations of crania, are shown. (Exhibit of Dr. H. P. Bowditch and Dr. J. S. Billings.)

**Composite statues.** Exhibited by Dr. Wallace Wood. Various types are distinguished, namely, the nervous, muscular, robust and soft. From a series of photographs of such types composite statues have been made.

## G. CAPACITY OF THE SKULL.

The capacity of the cranial cavity may be measured by means of small shot, peas, millet and the like, the cranium being first filled with the material, which is then measured in graduates. Among various races the capacity shows certain variations, that of the negroes being considerably smaller than that of other races. (See also room C-7, C-8.)

## H. DEVELOPMENT OF THE SKULL.

Room C-9, C-8.

**Crania and skeletons of a few anthropoid apes** are exhibited for purposes of comparison.

**A series of skulls** of individuals of various ages illustrate the laws of growth and development of the skull. A series of specimens shows that certain sutures remain sometimes persistent throughout life, while in others the deforming effect of premature closing of sutures is brought out. Among other variations in the form of skulls, the form of the temporal region, of the lower margin of the nose, of the palate, of the articulation between the occipital bone and the atlas are illustrated. In many regions of the world artificial deformation of the skull is practiced. The effects of various methods of deformation found in America are represented.

## I. SKULLS OF RACES.

This series begins with casts of the famous prehistoric Neanderthal and Engis skulls. A cast of a skull from Bremen is placed next to the Neanderthal skull and brings out the remarkable similarity between the two.

Among the series of skulls the following groups are worth special remark:

The long and low skulls from northwestern Germany.

The series of ancient skulls from Italy.

The exceedingly high and short heads of Armenians and Oriental Jews.

Skulls from New Guinea, New Zealand and Sandwich Islands.

The skulls from Melanesia are supplemented by the series of casts of faces made by Dr. Finsch.

Skull of an ancient Greek, supposed to be that of Sophocles. Exhibitor, Dr. Mynter.

## J. ANTHROPOMETRY OF THE JAPANESE.

A series of measurements has been made in the schools of Tokio. The results have been tabulated and show that the Japanese have an average stature of about 160 cm. The growth of stature, of stretch of arms and of height sitting has been tabulated. The stretch of arms is remarkably short as compared to that of European arms.

## Section of Neurology.

Room C-7, C-8.

**HENRY H. DONALDSON** *in charge.*

*Professor of Neurology, University of Chicago.*

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The section is intended to illustrate the principal features of the brain and the organs sense, like the eye, ear, etc.

In general it is the gross appearance, the weight and the form which are shown by the specimens and charts; some attempt has also been made to show the methods of recording the characters of the brain and also some of the methods for preserving specimens for study.

The following description is made according to the contents of the various cases which, in each instance, are designated by a letter in the right hand corner:

**Case A** contains a series of books and plates showing the different methods which have been used for depicting the brain.

As will be seen by examining the labels, a chronological order has been followed in the plates here exhibited.

The picture of the brain in Vesalius (1543), though not the earliest picture of the brain we have, is yet a very early one.

Above Case A the charts relate to the anatomy of the several sense organs.

**Case B.** In this case are collected a number of diagrams representing sections of the brain or its surface, and intended to be used as records for the location of diseased portions in any specimen. By thus making a record on a diagram it is possible to indicate exactly the position of the diseased portion than could be done by description alone. For recording the weight of the brain various printed forms are also useful and some of these are shown.

Above Case B are four representations of the central nervous system and the structures which envelop it, and also two diagrams indicating the foldings on the surface of the brain.

**Case C**, shown here, is a brain in connection with the spinal cord, intended to illustrate the continuity of those two structures; also a brain divided into the different parts, of which it is desirable to have separate weights.

The whole mass of brain substance within the skull is designated as the encephalon, and the various subdivisions bear separate names, as shown on the explanatory cards.

For many reasons great interest attaches to the extent or area of the surface of the brain.

This is illustrated by squares of paper to the left of the case. As the form of the brain is so singular, and specially liable to irregularity in the preserved specimens, a series of charts are here shown which represent the quantity of water which would weigh as much as the different brains or parts of the brain which they represent.

Above Cases C and D is a series of charts to illustrate the variations in the weight of the brain.

brain due to age, sex and stature; those above this case are for individuals mentally sound, whereas above Case D is a similar series of diagrams worked out for the insane. The charts show that the brains of women are less heavy than those of men; that shorter persons have smaller brains and that after growth ceases, the weight of the brain decreases with advancing age. These diagrams show that the brain grows up to the twentieth or thirtieth year.

A detailed description of these diagrams is posted beside them.

**Case D** contains models of the brain to be used either for reference in reading or for purposes of instruction. These represent but a small number of the models to be had from the various dealers, but they are fairly typical both as regards the material employed and the method for representation. Besides the charts showing the brain weight in the insane and which have already been referred to, there stand above this case two charts showing the variations of the brain weight under certain conditions, both from actual weighing of the brain and from observations on the capacity of skulls. In these charts special attention is directed to the position held by the group of *criminals* and the group of *eminent men*. The criminals are seen to have a brain weight similar to that of average population. The brain for the eminent men is on the other large as compared with the same standard.

**Case E** is primarily intended to illustrate the manner in which entire brains or portions of them may be best preserved.

Two objects are sought for in such preserved specimens: First, that they shall be permanent and cleanly to handle, and second at the same time show the natural relation of the different parts.

Above this case are a series of drawings intended to indicate the relations of the different nerve elements in the central nervous system. The fundamental idea underlying our present conception of this relation is, that the nerve cell and the nerve fibre are portions of the same unit, the fibre being but an outgrowth of the cell, and that no two units are in direct continuity with one another.

On **Table F** are wire models; the larger represents the relation of the bundles of fibres within the entire central nervous system, each important bundle being indicated by a special color.

The explanation of the details is given on a card below.

The smaller model shows in the same manner the course of the different bundles of fibres in the medulla oblongata, or that point at which the spinal cord passes into the portion of the brain lying nearest to it. The details may be gathered from the examination of the model itself.

**Case G** contains a series of photographs which form a portion of the plates illustrating Dr. J. C. Dalton's book on "Anatomy of the Brain." These photographs are the best which have ever been published on this subject.

**Case H** illustrates the development of the human brain before birth, showing how the brain surface becomes more and more folded with the increasing age of the unborn child.

There are also a series of wax models illustrating the different forms of the brain among different groups of animals.

The skulls indicate some of the variations caused in the size of the head through disease, one specimen illustrating the enlargement of the head of a child as the result of hydrocephalus, and another skull being that of an idiot in which the skull has remained extremely small although becoming very thick. To be compared with this microcephalic, or small sized skull, is that of another idiot in whom the skull, though somewhat peculiar in shape, is of average size.

It is thus indicated that the condition of idiocy is not necessarily associated with extreme smallness of the head, although such abnormally small skulls, as are represented by a microcephalic specimen, invariably belong to idiotic individuals.

Above the Cases G and H are three diagrams illustrating the localization on the brain surface of those portions the stimulation of which bring about movements in the parts of the body there named. The representation of these regions in the human brain is the result of direct experiment undertaken as a necessary preliminary to surgical operations.

**Case I** contains models showing the anatomy of the ear and eye, also a skull showing the bony labyrinth of the ear. Above Case I the charts refer to comparative anatomy and development of the eye. The changes which occur in nerve cells as the result of artificially exciting them are exhibited in the charts below and to the left.

**Cases J and K.** In the center of the room the flat cases, J and K, show a very instructive series of sections made through the entire brain. These are preserved in cells in a mixture of alcohol and glycerine.

Above these are two photographs, one representing a nerve cell with its various prolongations and showing especially well a prolongation which forms the nerve fibre; the other is a cross section of the large nerve controlling the leg of a frog.

In this latter photograph the small circles represent the individual nerve fibres, and by difference in the size of these circles it is possible to see the difference in the size of the individual fibres making up this nerve.

**Case L** contains a very careful series of models representing the entire brain and special portions of it; particularly to be noticed is the model of the brain cut into sections, a section bearing a photograph of the appearance of the specimen at that point.

This enables the observer to connect the appearances seen in cross section with the general characters of the brain itself.

Above Case L are three jars: 1 contains an abnormally small brain of an idiot, which shows the further peculiarity that one-half of it is much less well developed than the other. 2 contains a normal brain of a man, the specimen having been hardened in alcohol; 3 contains the normal brain of a man, the specimen having been hardened in nitric acid. In all three specimens the outer membrane, the pia, has been removed.

On the other side, **Case M** contains a series of models of the interior of the skull of a large number of animals, including such casts from the skulls of several races of

On comparing these specimens it will be noticed that the cerebral hemispheres undergo very great variation in their proportional development, and, as compared with the size of the medulla oblongata are larger in more intelligent animals.

Above Case M are four more specimens in alcohol: 1 contains a monkey's brain, showing the peculiar arrangement of the brain surface at its posterior or occipital end, a part of the human cerebrum or large brain, showing in a very beautiful manner the convoluted surface and ventricles which are there present; 2 is the brain of a microcephalic idiot, which is of very small size, and very irregularly developed, also the brain of a child at birth; 3 is the brain of a second idiot, but of much larger size, its volume being scarcely less than that of some normal brains. These two brains together illustrate the same condition which was illustrated by the skulls described above, viz., that idiots may possess brains of normal size. In the case of the two brains just mentioned the pia mater is not removed, hence the foldings on the surface are not so clearly seen.

**Case N** shows the method of Dr. Reid for determining those points on the skull which are of use to the surgeon intending to operate on the brain, there being a constant relation between the points and the parts of the brain lying beneath them.

# The Section of Psychology.

JOSEPH JASTROW in Charge.

*Professor of Experimental and Comparative Psychology in the University of Wisconsin.*

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The section of psychology comprises two rooms; the one fitted out as a laboratory in operation, and the other containing a collection of apparatus used in the experimental study of mental phenomena. The room devoted to the growth and development of children contains a series of illustrations of the growth of mental powers belonging to this section. An exhibit of the methods and results of modern psychology is naturally confined to those portions of the science that are most amenable to objective illustration. For this reason it is well to emphasize the fact that there are equally important divisions of the subject that are not represented.

The general divisions of psychology may be enumerated as, **experimental psychology**, including the study of sensation and movement, of the relations between mind and body, of the nature and time relations of elementary mental processes, such as distinction, choice, memory, attention, association and the like; **comparative psychology**, including the study of the unfolding of the faculties in the human infant and the mental development of children, the study of the various types of mind in animals, and the changes in thought and feeling that mark the advances from savagery to civilization; **abnormal psychology**, or the study of the divergences from normal mental action; in this division belong such topics as illusions, dreams, the actions of drugs, hypnotism, the various forms of insanity and idiocy, blindness and deaf-mutism, etc.

Psychology also has very direct and practical relations to education, to medicine, to anthropology and other sciences. In the present exhibit those methods and results that stand in close relations to the methods and results of anthropometry have received special attention.

These divisions and others in common use necessarily overlap, some being characterized by method and some by subject matter, and together serve merely as a rough index of the chief lines of activity in the modern study of psychology.

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## THE PSYCHOLOGICAL LABORATORY.

The object of this laboratory is to illustrate the methods of testing the range, accuracy and nature of the more elementary mental powers, and to collect material for the further study of the factors that influence the development of these powers, their normal and abnormal distribution, and their correlation with one another. The laboratory is thus designed, not as are those connected with universities, for special research, or for demonstrations and instruction in psychology, but as a laboratory for the collection of tests. As in physical anthropometry the chief proportions of the human body are systematically measured, so in mental anthropometry the fundamental modes of action upon which mental life is conditioned are subjected to a careful examination. In both cases the first object is

to ascertain the normal distribution of the quality measured. With this determined, each individual can find his place upon the chart or curve for each form of test and from a series of such comparisons obtain a significant estimate of his proficiencies and deficiencies. It should not be overlooked that mental tests of this kind are burdened with difficulties from which physical measurements are comparatively free. Our mental powers are subject to many variations and fluctuations. The novelty of the test often distracts from the best exercise of the faculty tested, so that a very brief period of practice might produce a more constant and significant result. Fatigue and one's physical condition are also important causes of variation. It is impossible in the environment of the present laboratory to secure the necessary time and facilities for minimizing these objections. They detract more from the value of an individual record than from that of the combined statistical result. So much remains to be done in this line of investigation that at every step interesting problems are left unanswered. But what has been done emphasizes the importance and probable value of further research. The problems to be considered when once the normal capacity has been ascertained are such general ones as the growth and development with age of various powers; what types of faculty develop earlier and what later; how far their growth is conditioned upon age and how far upon education; again, the difference between the sexes at various ages, differences of race, environments, social status are likewise to be determined. The relation of physical development to mental, the correlation of one form of mental faculty with others, the effect of a special training, these together with their many practical applications form the more conspicuous problems to the solution of which such tests as are here taken will contribute. In addition to the interest in his or her own record, the individual has thus the satisfaction of contributing to a general statistical result.

### THE SERIES OF TESTS.

The apparatus is arranged on a series of tables, the attendant directing the tests from a place in back of them, while the subject, as a rule, is seated upon a chair placed between the tables. A railing separates the attendant and subject from those who may be observing the tests. Beginning on the left of the entrance from the aisle, the tests are arranged as follows:

TABLE No. 1.

**Judgment of lengths by finger movements.** Five bars with terminal stops are arranged horizontally, the one above and a little behind the other; the subject passes his forefinger and fro along these bars and so forms a judgment of their relative length. He indicates the result by placing a peg, bearing the number "5," in a hole on the bar which he regards the longest, a "1" on the shortest, and "2," "3" and "4" correspondingly. Having thus arranged the one series of lengths in what he determines to be the true order, the apparatus is reversed and another series with smaller differences is presented for arrangement in order. The sensibility involved in this test is the information obtained from the sensations accompanying the contraction of the muscles. The result is recorded in each case as correct or as involving a certain degree of error. The true lengths are 150, 165, 181.5, 199.7, 216.6 (a ratio of increase of  $\frac{1}{10}$ ) for the coarse series; and 150, 157.5, 165.4, 173.6, 182.3 (a ratio of increase of  $\frac{1}{10}$ ) for the fine series. The apparatus is entirely screened so that the subjects are never seen.

This method of arranging in order a coarse and a fine series of five stimuli has been adopted in several of the tests, on account of its advantage of combining a large number of comparisons in one result, and of permitting the subject to make his own record at his own convenience.

**Judgment of weights.** A series of five weighted hard rubber boxes differing in weight are presented, and the subject required to arrange them in order of weight. The weights are held and raised between the thumb and forefinger, the sensibility involved being the combined pressure-sense of the skin and the sense of resistance overcome by the contraction of the muscles in raising the weights. Two series of weights are used, the coarse weighing 300, 320, 341.3, 364.1, 388.4 grammes (a ratio of increase of  $\frac{1}{4}$ ); and the finer, 310, 320.3, 331, 342 grammes (a ratio of increase of  $\frac{1}{10}$ ).

**Touch.** The minimal distance is determined for the tip of the forefinger between the points that can just be felt as two. This form of sensibility differs greatly in different portions of the body; points separated by  $\frac{1}{4}$ , or  $\frac{1}{10}$  of an inch can be felt as two on the tip of the tongue, while on the back of the neck they may be separated by  $\frac{1}{4}$  of an inch and yet be felt as one. A series of fixed points are used, varying by half-millimeters up from 5 to 6 mm., and a result quickly reached. The points are necessarily applied at precisely the same moment and with a constant and known pressure.

TABLE No. 2.

**Judgment of surfaces by feeling.** A series of surfaces (about three inches square) are formed by winding wires of various diameters tightly around an iron form. Each turn of the wire rests close against the neighboring ones, so that a more or less rough or smooth surface is formed according to the grade of wire used. The subject places the forefinger of his right hand successively through five openings in a screen by which the surfaces are hidden from view, and feels the surfaces by passing the tip of the forefinger to and fro across it. Having estimated their relative roughness and smoothness he places a peg bearing a "5" over the coarsest surface, a "1" over the finest and the others accordingly. The sensibility involved is a form of active touch similar to that used in judging the texture of cloths, metals, etc. A coarse and a fine series are used, the wires having diameters of .051, .064, .081, .102 and .128 inches (a ratio of increase of  $\frac{1}{4}$ ) in the one series; and .051, .057, .064, .072, .081 inches (a ratio of increase of  $\frac{1}{8}$ ) in the other series.

**Rapidity of movement.** The subject touches an electric key as rapidly as possible, each closing of the circuit being automatically recorded. In this way a record is taken of the maximum number of finger-movements that the subject can make in 15 seconds. The wrist is held in order to ensure an isolated and uniform finger-movement.

**Sensitiveness to pain.** A gradually increasing pressure is brought to bear upon the tip of the forefinger of the left hand, and the subject is asked to indicate the moment at which the pressure first becomes at all painful. This lower limit of pain is recorded to the nearest  $\frac{1}{4}$  of a kilogramme (1 kgm.=22 lbs.), by means of a coiled spring indicator. Three records are taken. (This apparatus is designed by Prof. Cattell of Columbia college.)

TABLE No. 3.

**Equality of movements.** The subject places the point of a lead pencil at the left end of a sheet of paper 15 inches long, and makes five movements by raising the pencil and bringing it down again, the attempt being to make the distances between the dots so recorded equal. The test is made with the eyes closed, the estimate of the distance moved depending upon the motor sensibility. The only limit of movement is that suggested by the length of the paper. The average distance between the dots and the average percentage of deviation are computed and recorded.

**Reproduction of lines.** Three lines, approximately one, two and three inches in length, are shown one at a time. The line is removed and the subject immediately thereupon draws a line as nearly as possible of the same length as the one just seen. The amount and direction of error of each reproduction is recorded.

**Accuracy of aim.** The subject attempts to touch with a hard rubber pencil a small cross printed on a sheet of paper (three inches square) and placed upon the table about inches away. The error, *i. e.*, the distance between the center of the cross and the point actually touched is recorded by means of carbon paper upon a sheet beneath. The subject is thus prevented from seeing his error, while a circular screen upon the pencil hides the cross a little before the point approaches it and thus insures a direct and uniform movement. The subject attempts to strike the cross ten times, and the direction and amount of each error is noted.

**Division of lengths.** The apparatus (devised by Prof. Muensterberg, of Harvard University) consists of a surface of black felt, about twenty inches long, with three adjustable white strips for dividing off the surface. The strips at each end are set to form a constant distance (in the present test 40 cm = 10.2 inches) and the subject's task consists in moving the middle strips so as to divide the distance exactly in two; or again, to mark off one-third of the distance. A scale may be quickly turned into position and the error in it noted.

**Right and left movements.** The subject places the forefinger of each hand upon the center of a wire, and simultaneously moves the fingers out to an equal distance in opposite directions. By means of the buttons left at the ends of the movements and a scale, the difference in the extent of movement of the hands is determined. In this right and left-handedness play an important part. The instrument was designed by Fitz of Harvard University.

#### TABLE No. 4.

**Accuracy of movements.** Starting at the center of a sheet of paper twelve inches square the subject draws a line as accurately as possible, first toward a point at the edge of the sheet to the left, then to the right, then above and then below. The starting point and the four other points are marked by crosses. To prevent the natural retardation of movement as the pencil approaches the cross, a small circular screen is placed upon the pencil. The error and general directness of the movement are recorded. This test, the accuracy of aim and reproduction of movements, involves the guidance of movements by the eye.

**Judgments of lengths by sight.** By pressing one or another of five keys, five cards bearing lines of different lengths; the subject judges, the relative lengths of the lines and indicates his judgment by placing a peg bearing the number "5" upon the key that corresponds up the longest line, a "1" in the shortest and so on. The apparatus is then reversed and a second series of five lines with smaller differences presented for judgment. The lengths in the coarse series are 2.00, 2.10, 2.20, 2.31 and 2.43 inches in length (a ratio of increase of 10%); and in the fine series 2.00, 2.05, 2.10, 2.15 and 2.21 inches (a ratio of increase of 10%).

**Estimation of lengths in four directions.** The upper arm of a cross printed upon a sheet of paper eight inches square bears a small mark 50 mm. from the center; the subject attempts to place a mark upon the other three arms at an equal distance from the center. The divergences from 50 mm. are then measured to the nearest half millimetre. The arms of the cross are unequal and asymmetrically placed in order to insure judgment of length from the center outward.

**Form alphabet.** This name is given to a series of twenty-five characters, each consisting of a vertical stroke and two horizontal strokes, one above and one below. The horizontal strokes are either both long or both short, to the right or left, or long on one side and short on the other. Twenty-five typical variations have been detected and one of each singled out as the form to be identified. Over 200 of these forms are arranged in a definite order upon a sheet, 8½ inches square, with the form to be identified clearly indicated at the top. The subject finds and marks off as rapidly as possible as many of the

forms exactly like the one designated as he can recognize within the time allowed, ninety seconds. The number correctly and the number incorrectly marked are recorded. The test involves the power of rapidly distinguishing between small differences in length, position and form.

TABLE No. 5.

**Quickness of perception.** Behind a photographic shutter there appears for a brief moment (about  $\frac{1}{10}$  of a second) a card bearing a series of black dots, or dots of different colors, or words, etc. The subject attempts to determine the number and color of the dots, and to read the words, within brief period of exposure. From the correctness of the answers given the quickness of perception is estimated.

**Memory.** A series of printed words, numbers, etc., appears successively behind an opening in a screen; as soon as the series is completed the subject attempts to write as many as possible of the words or numbers in their proper order. The number correctly recalled with and without regard to order, are recorded as an indication of the range of memory, or "memory span."

**Reproduction of lengths by memory.** In a former test (Table No. 3) the subject drew lines as nearly as possible of the same lengths as three pattern lines shown. He now draws these lines again according to his recollection of them. The increase of error is due to the fading of the sense-image in the memory.

TABLE No. 6.

**Location reaction.** A white spot upon a metal strip may be placed at any portion of about one-sixth of the circumference of a circular track (diameter about 36 inches). The spot is concealed by a screen, the falling of which is the signal for the subject to find and touch the spot as accurately and quickly as he can. The fall of the screen starts and the touching of the spot stops the swing of a pendulum-chronoscope. The time is thus measured to the nearest  $\frac{1}{10}$  of a second and the error in position to the nearest millimeter. This apparatus was designed by Dr. Fitz of Harvard University.

TABLE No. 7.—REACTIONS.

**Simple reactions: Touch, hearing, sight.** The time to be measured is that elapsing between the presentation of a stimulus and the indication by the subject that the resulting sensation has been received. The subject receives a tap on the back of the hand, hears the stroke of a bell or sees a white spot in back of a falling screen; the same movement that produces the touch, the sound, or the fall of the screen starts an electric chronoscope, registering one-hundredths of a second. The reaction consists in touching a key, which instantly stops the hands of the chronoscope.

**Complex reactions: Choice of two touches.** The right or the left shoulder of the subject is touched, and as quickly as possible he touches a key with his right hand if the touch has been on the right shoulder; with the left hand if upon the left shoulder. The increase of time above the simple reaction is that needed for determining the place of the stimulus and for choosing the proper movement.

**Choice of five numbers and movements.** The stimuli are the five numbers, 1, 2, 3, 4, 5, exposed by the falling of the screen, and the reaction the touching of the particular one of the five keys bearing the number exposed. The time measured is that needed for reading the number and choosing the proper one of five movements.

The apparatus is also arranged for the determination of the time of a variety of mental processes, such as color distinction, naming pictures, reading, adding, classifying, associating, etc.

In all tests several records are made. These time measurements are important as a test of general mental alertness, and as a means of studying mental processes not readily susceptible of measurement by the usual methods.

TABLE No. 8.

**Copying test.** The time needed for writing ten given short words from a printed page is measured to the nearest second.

**Association test.** The time needed for thinking of and writing down an association each of ten given words is measured. The difference in time between this and the preceding test gives some indication of the readiness of association.

**Picture and word test.** The rapidity with which a given ten words or pictures can be found amongst forty is measured. This time serves as an index of general mental fitness, and also gauges the closeness of association between word and picture. The test is further arranged to yield some indications of memory, first as the power to recall secondly as the power to recognize. First the subject attempts after a given interval to write as many of the forty words or pictures as he can recall; and then he attempts to tick off on a sheet containing sixty pictures or words in irregular order (the original forty twenty others) as many as he can recognize as having seen on the former sheet. The number of pictures or words correctly recalled and correctly recognized gauges the capacity of this form of memory, while the time needed for the various stages of the test gives other useful indication.

### OPTICAL TESTS.

On the west wall to the rear of tables 6 and 7 are arranged a series of tests of the range and accuracy of form and color vision.

**Range of vision.** The subject views at a distance of five meters (16.4 feet) a card in proper size a series of rings either complete, or open at one or two places to left, right, above or below. He is given a blank spaced off like the large card, and is the forms in their proper places as well as he can. All naming or reading is thus aided; while the smallest set of circles correctly drawn determines the range of vision. Sizes extend from 30 to 2.5 diopters. (The execution of this test is due to Dr. C. A. Feltz, of Philadelphia, Pa.)

**Accuracy of vision.** Groups of dots of various sizes 40 to 2.5 diopters are viewed at a distance of 5 meters, the subject counting the number of dots in each group. The smallest size of dot correctly counted indicates the accuracy of vision.

**Color-sense.** A series of 28 circular patches of color are arranged in their spectral order around the circumference of a large black disc. These colors are indicated by numbers from 1 to 28. Through a circular opening at the center of the large disc, any one of the colors may be made to appear; each central color is indicated by a letter, A B C, etc. The test consists in matching successively each of the ten central colors with one at the periphery. This the subject does as rapidly as possible; the nature of the error is an indication of defects of color-vision which the time furnishes an index of the development of color-sense.

**Shade.** Nine shades of grey are arranged upon a board, not in the order of their intensity, and are indicated by numbers. Then one of the shades is shown singly and the subject attempts to identify it by its number. The number and nature of the errors indicate his ability to see slight distinctions of shade.

In addition to these tests of which systematic records are made, there are tests of the discrimination of colors; preference of colors, singly and in pairs; preference of proportions, and other tests which cannot be further described.

**Demonstration table.** Upon a long table near the east wall are shown some pieces of apparatus and materials, illustrating a few typical principles in the study of sensation.

Among the points demonstrated may be mentioned, color contrast, color mixture, subjective colors, duration of the after image, stereoscopic combination, double images, retinal rivalry; peripheral vision, blind spot, estimation of size, visual interpretation, contrast of extent and intensity of pressure, upper and lower limit of audibility, etc., etc.

**Charts, curves, etc.** Along the west wall and portions of the east wall are arranged a series of curves representing in graphic form the results of investigations of various sensory, motor and mental faculties. The largest group is devoted to sets of curves showing the results of tests, many of them the same as those taken in the laboratory, and of similar purpose. These results are based upon tests taken at nine different colleges, upon 650 persons, with college students predominating. They represent the normal accuracy and distribution of certain forms of sense and motor capacity and mental powers, and the nature of the error when a constant error is involved. Other groups of curves illustrate the results of research upon the relation between mind and body, on memory, illusions, involuntary movements, reaction times, association, etc., etc.

**Photographs of psychological laboratories.** Upon the south wall and adjoining portions of the east and west walls, the chief psychological laboratories of this and other countries are represented by photographs. This collection gives a general view of the extensive material provisions that have been made for the further development and teaching of experimental psychology. The photographs are accompanied by outlines of courses of study in psychology. The foreign universities represented are Bonn, Geneva, Paris, Prague, Rome, Tokio; the American are Brown, Clark, Columbia, Cornell, Harvard, Illinois, Pennsylvania, Princeton, Toronto, Wellesley, Wisconsin and Yale.

The matériel contained in this laboratory has been collected by the Section of Psychology of the Department of Ethnology, with the aid of the psychological department of the University of Wisconsin. With the exceptions already noted, the apparatus has been prepared and in most cases designed for the purposes of this laboratory.

The electrical supplies are exhibited by the Ansonia Electrical Company; the shutter used upon table No. 5 is exhibited by the Bausch and Lomb Optical Company, Rochester, N. Y.

### APPARATUS ROOM.

The collection of apparatus aims to exemplify the chief forms of apparatus and material used in special research and general study of mental phenomena. Some of this apparatus is used as well by physiologists, physicists and physicians, but the greater portion has been designed especially for psychological purposes.

The apparatus has been collected by the Section of Psychology of the Department of Ethnology, the chief contributors being the psychological departments of the following universities: Brown, Harvard, Pennsylvania, Toronto, Wisconsin; the following instrument makers: Cambridge Scientific Instrument Co., Cambridge, England; H. Elbs, Freiburg, Germany; R. Jung, Heidelberg, Germany; J. D. Kageenaar, Utrecht, Holland; M. Kohl, Chemnitz, Germany; C. Krille, Leipzig, Germany; F. Mayer, Strassburg, Germany; W. Petzold, Leipzig, Germany; R. Rothe, Prague, Austria; E. S. Sighrer, Leipzig, Germany; Ch. Verdin, Paris, France; Milton-Bradley Co., Springfield, Mass.; Ganun & Parsons, New York; Meyrowitz Bros., New York; Queen & Co., Philadelphia; E. S. Ritchie & Sons, Boston; Yarnall, Philadelphia, together with a number of individual exhibitors.

The apparatus is classified throughout according to the purposes for which it is used and each bears a label explaining its mode of use and acknowledging its source. There are ten cases of apparatus, the contents of which are indicated as (beginning upon the left of the entrance from the aisle) *Touch; the eye—light and form sense; color sense; color sense; binocular vision* (in lower case, color contrast); *hearing* (in lower case, visual

ances); *movement* (in lower case optical illusions); *recording apparatus*; *time-measuring apparatus*; *reaction-time accessories*.

In addition there are arranged upon platforms in the center of the room and near the wall, as well as on the tops of the cases, a miscellaneous series of apparatus too large to be exhibited in the cases.

**Touch.** What is popularly termed touch includes a group of sensibilities connected with the skin. The chief of these are the form and space sense of the skin, sense of pressure, sense of temperature, and the sensations accompanying muscular contraction.

Form-sense is most usually tested by aesthesiometers, which determine the smallest distance between two points that may be felt as two, this distance differing widely in different parts of the body. A variety of designs of such apparatus is exhibited. Another group of instruments have for their object the determination of the smallest outline and solid figures that may be distinguished when placed upon the skin; of the slightest differences of texture and in thickness that can be felt; of the perception of movement upon the skin; of the relation between lengths as judged by the skin and by the eye; of the combination of touch-impressions, and the like.

As types of apparatus for the study of the pressure sense, test-weights and special scales of pressure balances are exhibited. These are used to determine the smallest differences in weight that can be perceived under various circumstances. The temperature sense is represented by simple devices for locating and mapping the hot and cold spots, or special points of the skin specifically sensitive to heat or cold. A number of devices studying the extent and accuracy of the sense of movement completes the inventory of this case.

**The eye—light and form sense.** As the processes of seeing are most directly related to the structure of the eye, and the formation of the image and the movements of the eyes, the first group of optical apparatus is devoted to these points. The case contains several forms of artificial eyes by which the relations and functions of the several parts of the eye may be conveniently reproduced; special devices for illustrating the changes accompanying accommodation, the path of the rays, the formation of the image upon the retina, the movements of the eyeballs; also apparatus for determining the chief forms of all defects.

The methods of testing the form sense of the eye, *i. e.*, the accuracy and range of vision under different conditions, are represented by perimeters, optometers, test-dots, test-letters, forms, test-diagrams, etc. Devices for demonstrating the blind spot, and a variety of other apparatus (shutters, diaphragms, dark-tubes) are also included in this section.

**Color-sense.** The first of the two cases devoted to the color-sense contains a variety of color-wheels, illustrations of color mixture, and methods of detecting color-blindness. The color-wheel is at once the simplest and most universal method of obtaining variations of color and shade. The various types differ mainly in respect to the manner of rotation, whether by hand, foot, clock-work or electric motor, while special wheels have been devised to permit the proportions of colors to be changed while the wheel is in motion. All these are represented. In a frame upon the wall are displayed the methods of preparing for experiments in color vision; these include slit discs sliding upon one another thus producing any desired proportion of the component colors; graded mixture, made by half-discs, and thus showing the resulting color and the components at the same time; distinction between pigment and color mixture; methods of measuring color proportions, etc.

The various methods of detecting color-blindness are displayed in this and the following case. For convenience these methods may be classified as the matching, the naming, the confusion and the quantitative methods. The matching method consists in placing

fore the subject a series of pattern or typical colors and requiring him to select out all colors like them. The matching methods are represented by Halmgren's worsteds in various forms, by Gaeton's test wools, a series of wools arranged by Dr. Oliver, the Magnus Jeffries color card, etc. For practical purposes the distinction of colors as signals, and of naming them correctly is important and has led to a variety of devices for detecting the readiness with which given colors can be recognized and named. Several such devices are exhibited. The confusion method is represented by arrangement of colored bands, with narrow strips of a different color inserted upon them; by colored letters printed on colored backgrounds; by Stilling's test plates consisting of figures formed by irregular blotches of color upon a background of another color, and by other variations of these. In all these a person with a certain form of color defect is unable to read or distinguish what is clear to the normal eye. In the quantitative tests the object is to determine the precise amount of white and colored light that give rise to the two colors that are wrongly pronounced the same. The chief forms of such apparatus exhibited are those designed by Prof. Halmgren, Prof. Donders and Prof. Hering.

**Color sense.** Several of the pieces of apparatus already described are contained in the second optical case. In addition this case contains apparatus for illustrating changes of light and shade, contrast of light and shade, collections of discs for various purposes, chromotropes; and also apparatus used in testing the accuracy with which lines and angles and their positions in space may be estimated.

**Binocular vision.** The combination of the images in the two eyes to form one picture is a most important fact in vision; the apparatus whose special purpose is to illustrate the process of seeing or inferring the solidity of objects from the two retinal images is the stereoscope. As illustrations of the phenomena of binocular vision are shown rods and other apparatus for demonstrating double-images, devices for illustrating the horopter, diagrams for combining points of vision and a variety of general and special stereoscopes; methods of obtaining binocular color mixture are also shown.

The lower portion of this case is devoted to the phenomena of color contrast and subjective color. The chief point illustrated is that a background of one color will change a neutral gray into its complementary; green inducing pink, yellow blue, etc. A gray ring placed upon green paper and covered with white tissue paper seems pink; a gray ring formed by the rotation of black and white upon a green sector becomes pink; a black dot seen in reflection upon a white ground in proximity to a black dot viewed through red glass becomes greenish; of the two shadows of a rod, one formed by colored the other by white light, the one shadow will show the color of the light, the other the complementary color, etc. All these forms of color contrasts are shown. The change of color when presented upon different backgrounds and other related points are also illustrated.

**Visual inferences: Optical illusions.** The lower portions of the two cases at the north end of the east wall contain illustrations of inferences from visual sensations, in distinction to the primitive sensations themselves, and of a few types of optical illusions. Stereoscopic cards illustrate the inferences of solidity or the third dimension of space; several forms of the zoetrope illustrate the inference of movement from an interrupted series of changes of position; diagrams illustrating the interpretation of lines as the pictures of objects and other similar principles are also shown. The chief types of illusions illustrated are illusions of relative length and area due to contrast of particular outlines and angles; illusions of change of direction of straight lines, and deviation from parallelism of parallel lines as the result of intersecting angles, illusions depending upon irradiation, etc.

The selection of apparatus bearing upon the form and color sense has been made with the assistance of Dr. C. A. Oliver of Philadelphia. Dr. B. Joy Jeffries of Boston has contributed largely to the collection of apparatus for the detection of color blindness.

**Hearing.** The apparatus for the study of the sensations of sound, and particularly of cal perception, are so elaborate as to preclude their exhibitions hence here only the sim- types of apparatus are presented. These include bars for determining the upper of audibility, whistles for the same purpose; tuning forks for studying the relations of cal pitch and the sensitiveness to musical intervals; monochord for studying simple omena of pitch; resonators for the analysis of overtone; whistles for the study of n; Galton's apparatus for determining slight differences of pitch, and also a few es for studying the sensitiveness to slight differences of sound intensity; the power of l-location and the nature and accuracy of the sense of time intervals.

**Movement.** This group of apparatus illustrates the function of movement as an index ntal and nervous conditions. There is an ergograph, or apparatus for recording mas- contractions and thus studying the control over muscles, fatigue, co-ordination, etc.; paratus for demonstrating the changes in the volume of the arm accompanying on and mental effort; a sphygnograph for recording the pulse; several devices for ding the involuntary movements of the arm and body; dynamometers for testing the gth of muscular contractions; apparatus for determining the rapidity and regularity vements; a device for demonstrating tremor; arm holders, and other allied pieces of atus.

**Recording apparatus.** The value of the experimental study of mental phenomena ids so frequently upon the means of recording the results that one case is devoted to of recording apparatus. The most universal of these is a kymograph or revolving ; the drum is driven by clockwork at a very uniform rate and is covered with glazed upon which a coat of soot has been collected by holding it above a burning lamp. this rotating drum a series of writing points controlled by electricity or air, write record by tracing delicate white lines as they expose the paper by rubbing off the coating of black soot. These records are then bathed in shellac and made perma-

In the study of movement; in the recording of time intervals, in the analysis of the ons between physiological and psychological processes, in the study of the profi- of voluntary control, in the study of the interference of sensory and motor pro- , as a means of making electric contacts, and in a variety of other ways such an atus is indispensable. Several such kymographs, both simple and complex, with a y of attachments for insuring change of rate, convenience in manipulation, adapta- , different forms of experiment, etc., are represented either by the apparatus itself or otographs. Electrical attachments are represented by time markers, tuning forks, utographs, Depréz signals, electric keys, switches, magnets, etc.; pneumatic attach- by simple and complex tambours of various types; apparatus for recording the nents of the lips, of the voice, of the throat, of the pulse, of the respiration, of the ction of muscle, of the fingers and the like.

**Time-measuring apparatus.** The study of the time consumed by simple mental ses forms one of the main divisions of experimental psychology. The applications h study and the generalizations to which it leads are of importance and value in directions. Time-measuring apparatus is also needed in other types of psychologi- earch.

or measuring long intervals a stop-watch and a metronome are shown; the stop- measuring to the nearest fifth of a second, the metronome to the nearest one-quarter cond. More convenient is an automatic metronome which can be started and d by the closing of an electric circuit and which registers the number of oscillations, etronome may be made to register its oscillations upon a rotating drum; two forms rrupting clocks for this purpose are also exhibited. By means of these clocks a ange of intervals may be accurately recorded.

Tuning forks registering  $\frac{1}{10}$  or  $\frac{1}{100}$  second are exhibited. The chronoscope D'Arsonval enables the observer to read off on a dial  $\frac{1}{10}$  of a second, and has the advantage of being noiseless. A mechanical clock designed by Prof. Muensterberg also registers to  $\frac{1}{10}$  second; a water chronoscope, the time being measured by the amount of fall of a column of water, registers to  $\frac{1}{100}$  second or less; while the Hipp chronoscope (two mountings of which are shown) registers to the nearest  $\frac{1}{1000}$  second. There are also exhibited certain special reaction-time instruments, that record by the vibration of a fork the interval elapsing between the presentation of a stimulus and a response to it; those represented are designed by Beetz, Donders, Exner, Bowditch and Fitz.

**Accessories for reactions.** To complete the outfit for the study of reaction times there are needed, means for controlling the time-measuring apparatus; various forms of stimuli for impressing the various senses and presenting mental problems, and various simple and complex forms of reaction keys. In addition a shutter or other means of determining how much can be recognized within a brief interval of exposure is needed. Types of all these forms of apparatus are represented. For control the falling of a ball, or of a shutter, or the swing of a pendulum may be used, the theoretical being compared with the actual time. As types of stimuli for sound, a sound-magnet which also yields a premonitory signal, and electric bell are displayed; for touch a mechanical key and an induction-coil (furnishing an electrical stimulus), and also a special key by which a shock may be given to the finger by which the reaction is made; and for sight several forms of exposure apparatus by means of which any one of two or more objects may be shown simultaneously with the starting of the chronoscope. Apparatus for a "chain-reaction," in which the reaction of one subject gives the stimulus for the next, is also shown. In addition a variety of material used as a stimuli and in the study of memory, attention and association, such as sets of words, letters, numbers, pictures, colors, lines, etc., are displayed and described. Of reaction keys there are forms for simple reaction with the finger; for reaction with any one of the five fingers, a reaction-keyboard with fifty keys, a foot-key, a lip-key, speech-keys of several types, etc.

**The platforms.** The instruments exhibited upon the platforms are an apparatus for showing the relation between the attention and the moment of receiving a stimulus; a large apparatus for the study of movements of the arm with and without resistance; a color-wheel for foot-power; a general optical testing-board; a large stand for the study of æsthetic proportions; a time-sense apparatus; an apparatus for demonstrating the perception of distance; a square for visual estimates of length and area; a universal chronograph for recording intervals of various durations, and several others.

**Photographs, etc.** Both within the cases and about the walls are exhibited photographs of apparatus, which serve to supplement the collection.

## Growth and Development.

Room G-5-C-4.

### THE GROWTH AND DEVELOPMENT OF CHILDREN.

**Weights and statures of American children, plotted for annual intervals.** The dis-  
 cussion of weight for girls from five years to seventeen years of age are plotted.  
 appears that in earlier years the variations from the average weight are only  
 . The frequency of greater variations increases from year to year, which is shown by  
 act that the curves showing the distribution of weights become flatter from year to  
 . Beginning with the seventh year the curves become distinctly asymmetrical, the upper  
 h being much longer than the lower one. This proves that a considerable number  
 idren begin at this period to be far in advance of the average child of the respective  
 while few only lag far behind. The nearer the age under consideration approaches  
 eriod of accelerated growth, which begins with the eleventh year in girls, with the  
 nth in boys, the more marked becomes the asymmetry, while later on it begins to  
 near again. At the same time the curves begin to contract, which indicates that the  
 of development becomes at this time again more uniform.  
 be average stature of American children. The curves are based on material col-  
 in six American cities, Boston, Worcester, Mass., Toronto, Milwaukee, St. Louis,  
 akland, Cal. The average from each city differs from the general average. These  
 nces are caused by peculiar social and geographical surroundings and by the vary-  
 mposition of the population of each city. As the number of children measured in  
 ity was not the same, it was necessary to reduce the observations in such a way that  
 and total shows the result which would have been obtained if the same number of  
 en had been measured in each city. The curves for weight and height show that  
 s a period of accelerated growth during the period preceding maturity. As this  
 takes place earlier in girls than in boys, the resulting effect is that girls are, from  
 e of 12 years to that of 14 years, heavier and taller than boys.

ie rate of growth of children of various cities depends upon the geographical and  
 surroundings, and upon the nationalities composing the population of the city.  
 ore the physical development of children of various cities shows certain differences.

children are a little less favorably developed than the average American child;  
 f Worcester, Mass., are decidedly in advance; Toronto children are least favorably  
 ped. The children of St. Louis, Mo., are in the beginning above the average, but  
 n the end to be below the average. Those of Milwaukee show the opposite phe-  
 on. They begin near the average but end considerably above the same. The  
 n of Oakland, Cal., are throughout taller than the average child. In some cases  
 ults may be affected by peculiar conditions. Thus the better development of the  
 n of Worcester, as compared to those of Boston, may be due to the fact that in the  
 ity certain objections were raised which influence principally the less educated part  
 population which is at the same time the poorer one. In consequence a portion of  
 orer children were not measured, which fact tended to raise the general average.

The average of the measurements taken in any given city differs from the general average. Measurements collected in six cities are contained in the tables showing the development of American children. Therefore six such differences can be computed for each year. The mean of these six differences has been plotted. It appears that the mean differences increase very rapidly after the eleventh year. Up to that time the children of the various cities develop quite uniformly, but then the influence of surroundings and descent begins to make itself strongly felt, causing an increase in the mean value of the difference between the general average and that of each city.

**Comparison of the physical and mental development of the children of Toronto, Canada.** The measurements of all children whose mental ability was designated by the teacher as above the average were tabulated separately, as were the measurements of all children whose mental ability was designated by the teacher as below the average. In the diagram it is indicated how these two classes differ from the general average. It appears throughout that children whose mental ability is above the average are not as well developed physically as children whose mental ability is below the average. This is probably due to the fact that children who are adjudged as less able by their teachers devote more time to play and physical exercise than those who are adjudged as possessing high mental ability.

**Growth of the head of American children.** The growth and development of American children is such that boys from 5 to 12 years are slightly taller and heavier than girls. From 12 to 14 years of age the girls are ahead of the boys, while later the latter again overtake the girls and continue to grow when the girls have reached their greatest height and weight. The laws of the growth of the head differ from those of the body. The girl's head is always considerably smaller than that of the boys. Consequently it is always smaller in proportion to the stature except when growth ceases. At that time the boy's head is proportionately smaller. The difference between the breadth of the face of girls and boys is not as pronounced as the difference in the size of head. During their twelfth year girls have a wider face than boys. The face grows more rapidly than the head, as is shown by the steady increase in the proportion of breadth of face to length and breadth of head. The face of girls is, when compared to the size of the head, larger than that of boys. The length of the head increases a little more rapidly than the breadth of the head, and the head of girls is a little rounder than that of boys.

**The growth and development of school children of St. Louis.** The curves showing the growth of the school children of St. Louis are based on measurements of about 30,000 children. The laws relating to the growth of the head are brought out clearly in these curves. The curves showing the changes of the facial index from year to year prove that the faces of children become more elongated with increasing age. Exhibitor, Dr. W. T. Porter, Washington University St. Louis, Mo.

**Growth of school children of Oakland, California.** Exhibitor, Prof. L. Barnes, Leland Stanford, Jr. University, Palo Alto, California.

**Growth of school children of Boston, Mass.** When children of a certain height, say 55 inches, but of various ages are compared, it may be said that among each one hundred of a certain age, for instance 11 years, a certain number are shorter than 55 inches. At the age of 12 years a less number will be shorter than 55 inches, etc. In the diagrams the points indicating how many among each one hundred are shorter than a certain given height are connected by curves.

In each age well developed children and poorly developed children have been compared separately. Children of such stature or weight, that they are taller or heavier than 95 per cent of all those measured are called children of the 95th percentile grade. In the same way the 50th percentile grade means that just as many are below as above this class. The charts show comparisons between boys and girls of various percentile grades. It

shows that the period during which girls are taller than boys is longer in short children than in tall ones, while on the other hand the period during which girls are heavier than boys is shorter in light children than in heavy ones. The annual increase in stature and weight for short and tall, and for light and heavy children has also been plotted. Exhibitor, Dr. H. P. Bowditch, Boston, Mass.

Anthropometric tables of Wellesley College, Amherst College, Yale College and Franklin College.

The effect of physical training upon the students of the Boston Normal School of Gymnastics. A series of measurements taken at regular intervals throughout the course of study show the effect of continued practice and of the discontinuance of the training, during summer vacation. This effect is also traced by a comparison of observations on the same individuals at intervals of one year. Exhibitor, Boston Normal School of Gymnastics. The effect of physical training upon the students of Amherst College. Exhibitor, Edward Hitchcock.

### MENTAL DEVELOPMENT.

The application of the results of mental studies to education imparts a special value to those obtained upon children and exhibits the change with age of various forms of mental faculty. Only a very small portion of this field has been investigated and only a small selection of the results obtained are available for exhibition. Almost every one of the tests made in the laboratory could be applied to the study of the growth of sensibility, of motor control and mental grasp. It is with the object of illustrating the method and purpose of such studies and of fostering an interest in their extension that this selection of results has been made.

The chief groups of curves shown are a comparative study of the color sense, the material being contributed by Prof. Earl Barnes and Mrs. M. D. Hicks. Here are plotted the relative number of pupils choosing a certain color as the most pleasing of twelve given colors.

The change with age is quite definite, the chief changes being an increase in the preference of dark red and dark blue, and a decrease in the preference of yellow. For comparison the color preferences of Indians, Chinese and negroes are shown. Another series shows the color preferences for combinations of colors.

Another investigation, also contributed by Prof. Barnes, shows the increase with age in the number of statements and the change in the nature of the statements made in answer to questions as "what is a house, a tree, etc." A complex test made by the Educational Club of Philadelphia consisted first in finding how many of a certain ten words or pictures could be found amongst forty within a given time. Upon this followed a memory test where the child first writing down as many of the original forty words or pictures as he can remember, and then marking off upon a card containing sixty words or pictures all that he can recognize as having appeared on the original forty. The one test yields an indication of the length of the memory as the power of recall, the other as a power of recognition. Groups of curves exhibited show the growth of motor power, of memory both visual and auditory, of the change in conceptions and the like. Throughout these studies interesting results may be deduced from a comparison of boys with girls, and from marked and constant changes and certain critical periods. With more extended results the relations between age and education, nature and nurture, the influences of race, social status, etc., doubtless be determined.

### ANTHROPOMETRY OF COLLEGE STUDENTS.

DR. D. A. SARGENT *in Charge*.

Room C-4, to C-3.

Composite statues of American college students, male and female. The two statues

have been constructed from a long series of measurements of students in American colleges and secondary schools. The measurements of the statues are those which occur most frequently among the individuals measured. There are just as many individuals whose measurements are below those of the statues as there are individuals whose measurements are above those of the statues.

On a series of photographs and diagrams the methods of measurement are illustrated which have furnished the standards for the statues. An alcove is provided in which these measurements may be taken on those desiring the same.

One of the principal objects of these measurements is to determine the development of the body of any individual, as compared to that of the average individual. By this method existing defects are brought out, which can partly be remedied by proper physical exercise.

The standards differ according to sex and age. Therefore, tables have been constructed giving the results of the measurements for each year.

# Anthropology of the North American Indians.

Located in Aisle C-2, C-3.

**Comparisons of measurements of Indians, half-blood Indians and whites.** The curves show that, from early childhood, the Indian's face is wider than that of the half-blood, whose in turn is wider than that of the white. The most important fact brought out by the curves is that the half-blood stands between the Indian and the white, but nearer to the Indian than to the white. In interpreting this fact we must bear in mind that half-bloods are usually children of Indian mothers and white fathers; but it may also be that Indian traits are transmitted with greater strength than those of the whites. The distribution of measurement among adult Indians, half-bloods and whites is also given. Its most characteristic feature is the flatness of this curve for half-bloods, which expresses the fact that forms which vary considerably from the average are found frequently among half-bloods, while the forms near the average are less frequent among them than among the races. The same curve shows a depression in the middle, which seems to be characteristic and probably indicates that, in the half-blood, there is a tendency to reproduce one or the other parental type, while the intermediate type is found comparatively rarely.

**Fertility of Indian women.** Among full-blood Indians, women with 1, 2, 3, 4, 5, children are more frequent than among half-bloods, while higher numbers of children are more frequent among half-blood women. Indian women have most frequently six or seven children; half-blood women have most frequently eight or nine children. The fertility of half-blood women is, therefore, higher than that of full blood women. At the age of 18, only 11 per cent. of Indian women have no children. This percentage decreases rapidly until the thirtieth year, when it remains nearly stationary at 2 per cent. The average number of children of Indian women increases until the fortieth year is reached, at which time the average number of children is 5.5. This number proves that the slight increase in the Indian population is due to high infant mortality.

**The stature of North American Indians.** The tribes may be divided into three groups: those whose stature is more than 170 cm., those whose stature is less than 170 cm., and those whose stature is less than 166 cm., and those whose stature is less than 166 cm. The average statures of the groups are plotted from year to year. The stature of males increases rapidly until the eighteenth year when the rate of increase begins to diminish. With 24 years the maximum is reached, when a gradual decrease in stature ensues. This tabulation has also been carried out after exclusion of all Indians attending school in order to exclude the select series of Indian training schools, but the result remained the same. As among whites, the average statures increase to the age of 35, the early maximum is remarkable. Among Indians the annual increase begins to diminish rapidly after the seventeenth year. The maximum is reached in the second half of the twenties.

Located in Aisle C-3, C-5.

**Growth of Indian and half-blood children.** A comparison of the average statures

of Indian and half blood children shows that full blood boys as well as girls are, until their thirteenth year, taller than half blood children. About this time the half blood children overtake them and remain taller than the full bloods. The difference during the second period is more marked among the short tribes than among the tall ones.

**Growth of Indian children.** The result of a comparison of the growth of children of tall tribes, tribes of middle stature and of short tribes, is that boys and girls do not differ much in height until they reach about their tenth year, from which time the differences between them increase annually.

While among whites we always find a well marked period during which girls are taller than boys of the same age, this period is not so well marked in Indians. It is better marked among half breeds. This may be due principally to the lack of knowledge of the exact ages of Indian children. The fact that the phenomenon is more clearly marked in the case of half breed children suggests, however, that the laws of growth of the white and Indian races may be different.

**Comparison between the statures of Indians and of half blood Indians.** The curves illustrating the statures among the tallest Indian tribes prove that on an average the half bloods are taller than full bloods, men as well as women. This is the more remarkable as the half bloods contain a larger percentage of French blood, and as the average stature of all Americans of French descent is decidedly lower than that of the Indians. The curves show also that very high statures are more frequent among half bloods than among full bloods and that the former are more variable. Among the Indian tribes of medium stature the difference between half bloods and full bloods is still more marked, and among the shortest tribes we find a further increase of this difference.

**Distribution of stature among the North American Indians.** Three maps show the distribution of average statures, the frequency of statures over 178 cm. and of short statures under 167 cm. The three maps are much alike in their main features. The highest statures are found in the Mississippi valley. The mountainous regions in the east and in the west show lower statures. The Creek and Iroquois are remarkable on account of their high statures. As the intermixture of white blood tends to increase the height of the body, their high statures may be due to intermarriage with whites, which has been quite frequent among these tribes.

The great diversity of stature on the Pacific coast deserves special notice. Tribes of peculiarly short stature are the Pueblos, the tribes of Round Valley, California; of the shore of northern Oregon and of northern British Columbia. In all these regions tribes are found of different descent but living under the same conditions who are much taller. This shows that descent influences stature considerably.

Attention is called to the diagrams illustrating the statures of the eastern and those of the western Cherokees, the latter being by far the taller. This may be due to different surroundings, the eastern Cherokee being a mountain people, the western a plains people, or to the fact that the western Cherokee have a greater admixture of white blood.

Located in Aisle G-5, C-7

**Cephalic index.** The cephalic index among most of the North American tribes is higher than 80, that is to say the great majority of tribes are brachycephalic. The Eskimo are the most dolichocephalic people. Setting these aside the longest heads are found in southern California and in isolated spots of the southwestern part of the continent. The largest area of comparatively long heads is the Upper Missouri valley. Farther south flattening of the occiput is so prevalent that the natural formation of the head cannot be determined. Around the great lakes the average cephalic index is higher than farther east and west. It is of great importance to note that at the same time the variability increases

which tends to show that there exists a mixed type in this region. The interior of British Columbia has a very brachycephalic population, and the same type is found in Alaska and in many parts of the Pacific coast wherever Athapaskan tribes are found.

The following tentative classification may therefore be made:

1st Type: Eskimos.

2d Type: Athapaskans.

3d Type: Indians of the plains.

4th Type: Californians.

The variability of the cephalic index of the North American Indian is throughout less than that of Europeans. Artificial deformation has the effect of increasing the variability. The variability is least along the foothills of the Rocky mountains. It is very high where the mesocephalic people of the east come into contact with the brachycephalic people of the northwestern plateaus. The low variability of the Iroquois is unexpected because they are considerably mixed with whites. As however the whites of New York state have nearly the same index as the Iroquois, the phenomenon is easily explained.

The high variability of the Pueblos is not solely due to flattening of the occiput, which is not more marked there than among the surrounding tribes.

Located in Aisle C-7, C-8.

**Length-breadth indices of skulls of North American Indians.** The curves showing distribution of length-breadth indices of skulls of prehistoric Americans differ very much from those obtained from the present Indian population, the principal reason being the prevalence of artificial deformations among them. This fact counts for the flatness of the curves showing the indices of skulls from various parts of Tennessee and Ohio. An attempt has been made to separate the least deformed skulls from the strongly deformed skulls from Tennessee. This attempt shows that the natural shape of the heads of the Indians from this region was probably similar to that of the desert population of the central states.

**Indices of skulls from New England.** This curve is remarkably similar to that giving the cephalic indices of the Micmac of Nova Scotia. The great frequency of very long heads which does not occur anywhere else in North America is probably due to admixture of Eskimo blood.

**Skulls from Southern California.** The three diagrams relate to skulls found in regions a short distance apart; nevertheless a remarkably different type prevails, the northern group of islands showing a prevalence of very long heads, while the group of islands near mainland show much shorter heads.

**Skulls of Eskimo.** While the eastern Eskimo are exceedingly long headed the heads of the western Eskimo are very much shorter, which is probably due to an admixture of blood of the adjoining Indian tribes.

Located in Aisle C-8, C-10.

**Curves illustrating the anthropology of the Sioux and of the Ojibwo.**

## Section of Ancient Religions, Games and Folklore.

### STEWART OLSEN, *In Charge.*

Primitive religions and folk-lore, including games, are the subject of a special section in the Anthropological Building. This section which is known as the "Section of Religions, Games and Folk-lore" is located upon the main floor where the exhibit occupies a series of cases on the south side, and a line of flat cases, which extend across the entire building.

Folk-lore is the name given to the material which has come down to us in the sayings and customs of mankind. Its study, for which no special name has been devised, is an important branch of the science of anthropology. The chief object of the present collection is the display of things which illustrate folk-traditions and customs. The field being a vast one, the collection has been practically restricted to the subject of games. The basis of the collection was formed in the Museum of Archaeology of the University of Pennsylvania during the past two years. This university's collection has been supplemented by exhibits from individuals and the leading manufacturers of games in this country.

The objects are classified and arranged for comparative study, games of the same general sort being placed together. They are combined in twelve table cases running from the southernmost entrance on the west side to the corresponding entrance on the east side. Puzzles and the simple games of children commence the series.

### CASE I.

**Puzzles; Children's Games, Mancala.** The ingenious objects which we designate as "puzzles" are represented by about 125 specimens exhibited by the Museum of the University of Pennsylvania. They begin with a collection of East Indian puzzles, "invented" by Aziz Hussain of Samartapore, among which may be seen many types of puzzles that are common in Europe and America. The Chinese puzzles of wood, bone and ivory, follow them. Chinese puzzles, long a household word, are very limited in number. Those which are made for export are invariable in form and consist of the familiar "Ring Puzzle," the "Geometrical Puzzle" and the "Dissected Cube." Their Chinese names are all descriptive, and the "Ring Puzzle," which they call "The Nine Interlinked Rings," was probably borrowed by Chinese from India. The number of types in the entire series of puzzles is surprisingly small. The one that was revived some years since under the name of the "Fifteen Puzzle," and which was described by an English writer some two hundred years ago, has suggested a large group. "Pigs in Clover," an American invention, is the most recent addition to the world's amusements of this character, and its wide diffusion and popularity is shown here in a great variety of specimens from different countries.

Some of the simpler amusements of children are suggested by the objects on the north side of this case. Here are to be seen Mr. William Wells Newell's "Games and

songs of American Children," and "The Counting-out Rhymes of Children," by Dr. H. Harrington Bolton, two books which may be regarded as classical in their particular field. Mr. Pak Yong Kiu of the Korean Commission to the Columbian Exposition has furnished the following interesting addition to the collection of children's counting-out rhymes:

Hau al tá,  
Tu al dá,  
Som á chun,  
Na al dá,  
Yuk hong,  
Ku chi,  
Pol tá,  
Chong kun,  
Ko fu rá,  
Biong.

The wide diffusion of the custom of using counting-out rhymes among children and the general resemblance they bear to each other present problems of curious interest.

Among the imitative games of children, there are few more interesting than the *toros* mock bull fight of Spanish boys. A wicker mask from Madrid representing the bull's head, which is used in this sport, is suspended beside this case, within which may be seen a toy *espadas* or swords and the *banderillos*. Tops are shown to be of great antiquity and of very general use over the earth. Their age is illustrated by a wooden top from the Lyons, Egypt, discovered by Mr. Flinders Petrie at Kahun, belonging to 2800 B. C. They were common among the American Indians, north and south. A number of balls of baked clay and stone, which were whipped in a game on the ice, represent the primitive toys of the Sioux, while a more recent Sioux top of wood with a peg of brass shows foreign influences. Among the Omahas, tops were called *Moo de de skay*, a name which Mr. Fran-La Flèche says is not descriptive. The explorations conducted for the department by George A. Dorsey in Peru have contributed several interesting specimens to this collection. Two prehistoric tops from Ancon are identical in form with the ancient Egyptian, while another from an ancient grave at Arica is distinguished by a spindle, and is not like the modern tops of Japan. The use of pop-guns among the ancient Peruvians is shown by two beautifully carved specimens of wood contained in a llama skin pouch, from an ancient grave in Cañete valley. Pop-guns were used by many if not all of the American Indian tribes. Among the Omahas the children made them of willow branches, and then, by partly stopping one end, would convert them into squirt-guns. The toy squirt-gun sold in the Chicago shops is here shown beside the syringe from India used in the Hindu Diwali Festival.

Jackstraws, which are known in England as "Spithkins" and in France as *Les Jonchets*, next in order. The peculiar Chinese name appended to the Chinese specimens, the "Precious Things," suggests the probability that China was the country from which derived them.

The remainder of this case is devoted to the implements for a game that holds an unquestioned position among the world's games, and for which no place could be found in the case that follows. It is variously played with pebbles, shells and seeds in holes dug in the sand, or upon a board with cup-like depressions. The game appears to be found wherever Arab influence has penetrated. It is very generally played in Africa, in Asia Minor, in India. Two boards are exhibited, one brought from Jerusalem for the University sent by Mrs. John Harrison of Philadelphia, and another from the Caboot river in Africa. The Syrians in the Damascus house in the Turkish village in the Midway Plaisance know it under the name of *Mancala*, and it is a favorite game with the chief of the

Dahomey village, who frequently plays it with his son before his hut in the Plaisance. Among the Dahomeyans this game is called *Madaji*, the board *adjito* and the seeds which they use *adji*. It is a game for two persons. As played in Syria there are several forms of the game. One is called *la b madjnuni* or the "crazy game." Ninety-eight cowrie shells are used, which are distributed unequally in the fourteen holes in the board, which is placed transversely between the two players. The first player takes all the pieces from the hole at the right of his row and drops them, one at a time, in the first hole on the opposite side, and so on, continuing around the board until the last one is let fall. He thereupon takes all the pieces from that hole and distributes them one by one as before, until, arriving at the last piece, he takes all the pieces again in his hands. This is continued until the last piece dropped either falls into an empty hole or completes two or four in the hole in which it falls. In the latter case the player takes the two or four for his own, as well as the contents of the hole opposite, and should there be two or four in the next hole or holes to the one at which he stopped, he also takes them with those opposite. The players continue in this manner until the game is finished the one gaining the highest number of cowries, wins. If a player's last piece falls in an empty hole, his turn is ended. Skill is of no avail in this form of the game, the result always being a mathematical certainty, accordingly as the cowries are distributed at the beginning.

## CASE II.

**Balls, Quoits, Marbles.** The antiquity of the ball as an implement of sport is attested by the balls found associated with objects used in other games in old Egypt, where it is known at least 4700 years ago. Games of ball are common among savage and barbaric people, and ball games of Burma, Siam, India and Japan, as well as those of the American Indians, are suggested in this case. With the ball games are the sticks used in the widely diffused game which we commonly know as "Tip-cat." Tip-cat is played with a block of wood, about six inches in length, which is struck with a small club or bat and knocked into the air. The rules for playing are somewhat complicated, and as far as they have been compared, appear to be much the same all over the earth. The oldest specimen is from Kahun, Egypt, of 2800 B. C. Tip-cat is known by the Syrians in the *Plaisance* who have contributed the sticks they use as *Hab*. In Persia it is called *Gut & Lamb*, "stick and wood," a name given to it like our name "cat," from the way the stick leaps into the air. In China the game is called *Ta-pang*, "to knock the stick," and the Chinese in the United States call the "cat," *To tsu* or "Little Peach." In Japan the game is called *In ten*; the small stick *ko*, "son," and the long one *wa*, "father." In India the game is called *Gutti danda*; in Burma, *Kyitha*; in Ceylon *...* "game," a name like that of Persia; our own name "cat."

The wicker baskets or cestas for the Spanish game of *cesto* or *Fuente* known in Spain, are next shown, with the bat used in the Spanish game. The ancient English bat for trap ball appears with them and these are followed by the implements used in the current American and English ball games exhibited by Messrs. Spalding & Bros., of Chicago. Cricket bats, baseball bats, and tennis rackets, and battledore and shuttlecock are displayed in order and are exhibited the Japanese form of the game and the Chinese shuttlecock, which is struck with the toes. The tossing games, composed of pebbles, cup and ball, granite, quoits, and ring games of various kinds, and the ring game used in the North American Indian examples of the cup and ball game composed of the same materials.

one called the "newest war game," in which the men or "winks" are played upon a board upon which are represented two opposing fortresses. The games of tossing cowrie and coins are next suggested, with the game played by Chinese children with olive seeds. Any natural objects are exhibited that are used by children in playing games resembling marbles, to which artificial objects they appear to lead. In Burma, the seeds of a large pepper, the *Eulalia Parvifolia*, are employed in a game called *gohunyin*, which is one of the commonest forms of gambling known in that country. In Asia Minor, knuckle bones or sheep, which are often weighted with lead, are used in the same manner, and in Damascus and the cities, in connection with marbles. Marbles, themselves, in the varieties known to commerce, are next exhibited.

### CASE III.

**Bowling, Billiards, Curling and Shuffle Board.** The objects used to illustrate the games of bowling, billiards and shuffle board were made for this exhibit by the Brunswick-Bell Company, of Chicago, by whom they are displayed, and comprise miniature tables for these games, of remarkable accuracy and beauty of finish. On the north side of the case may be seen the implements used in the game of croquet as it is played at the present day. The first games of croquet manufactured in the United States were made from an English sample in 1803. The Chicago Curling Club here displays a collection of representative objects, including three sets of curling stones and the medals and ribbons belonging to the club and its members.

### CASE IV.

**Merrells, Fox and Geese, Chess and Draughts.** An attempt has been made to bring together as large a number as possible of the simple board games like Merrells and Fox and Geese, with the hope that they would throw light upon that much discussed question, the origin of the game of Chess. The Chinese, Korean, Japanese and Siamese, and Malayan versions of several such games are exhibited. It is curious to note that the peculiar board game in the Japanese Fox and Geese game, called *Juroku Musashi*, or "Sixteen Soldiers," is the same as one from Peru for a similar game. The inference drawn was that they were of Spanish introduction, which seems to be confirmed by the information that the Japanese game was first known in that country in the sixteenth century. Merrells is displayed in a board made in the Damascus house in the Plaisance where the Syrians call it *Sam ki*, and in a diagram obtained from Chinese laborers from Canton, who call it *Sam ki*, or "Three Game," as well as by European boards.

A Japanese board for that famous game which the Japanese call *Go*, and the Chinese *ki*, or the "Game of Surrounding" follows. This is the game which is often erroneously referred to as Chess, in China. The Japanese name of this board, *Go-ban*, has furnished the name which we have applied to the simple game of "Go Bang," which we also call Japan.

The board and men for a highly developed game somewhat like Draughts, played by the Miami Indians of New Mexico furnishes a striking object for speculation and research. The board is a square divided into 144 small equal squares, each of which is crossed by intersecting diagonal lines. The moves are made one square at a time along these diagonal lines, the pieces being placed at the angles of the squares. Two or four persons

They each start with six men, and their object is to get their men across to the other side and occupy their opponents' places, capturing as many of his pieces as possible in the way. A piece is taken by getting it between two others, as in the modern Egyptian game of *Seega*, and the first piece thus taken may be replaced by an extra piece belonging to the player who makes the capture, which may move on the straight as well as the



or "Game of the White Pigeon Ticket," the *Tsai f*, or "Character Flowering," and the *Sing*, or "Game of Guessing Surnames." In the first the tickets are imprinted with the eighty characters of the *Tsin tsu man*, or "Thousand Character Classic," one of the elementary text books of Chinese children. In the second the writer of the lottery assists patrons in their effort to guess the hidden character, by an original ode, in which it is in some way referred to. The third is the game of guessing the name of the successful candidate at the governmental literary examinations. Upon them all the peculiar traditions of the Chinese people have left their imprint.

## CASE VI.

**Knuckle-bones and Dice, Dominoes, Evolution of Playing Cards, Chinese playing cards, Pachisi, Patoli and Tab.** No method of appealing to chance is more common than of tossing some object in the air and deciding the result by its fall. A coin is often at the present day, and many natural and artificial objects have found currency for this purpose. Nuts, cowrie, shells and the knuckle-bones of animals have been used from the earliest times, and the last, the knuckle-bones, have become the parent of many modern games. The American Indians across the entire continent played a game marked plum stones and other objects, which had many points of resemblance with those played by other peoples with dotted cubical dice. The specimens of such games exhibited comprise the game played with marked bone discs in a wooden bowl by the Natick Indians of Oldtowne, Me., contributed by Chief Joseph Nicolai; a set of marked stones and the basket and tallies used by the Sioux, and a similar set of marked bone wooden pieces, with the basket, from the Arapahoes. Among the Pueblo Indians of the southwestern United States blocks of wood are used in the same manner as dice, and among the Arabs of northern Africa, numerical values are attributed to the throws made with four and six similar pieces of reed. In India, cowries are used. Sortilege is also practiced with the implements that are used in games. In China, the cleft root-stock of the bamboo is commonly employed in fortune telling, and the blocks, which form part of the accessories of nearly all Chinese temples, may be seen upon the altar of the Chinese temple at Canton, commonly appealed to by Chinese gamblers, erected in this section. Knuckle-bone or astragali present a most interesting subject for investigation. From a prehistoric knuckle-bone of terra-cotta from Cuzco, Peru (No. 340), in the collection of Señor Montes, in the building, it appears that they were used by the ancient Peruvians. The Peruvians at the present day use four knuckle-bones as dice in a game. It is known in Kechua as *taba*, a word meaning four, which should not, in the opinion of Señor Montes, be confused with the Spanish word for knuckle-bone, *taba*, from which he does not think it was derived.

Knuckle-bones were used in games in Old Egypt, as was shown by the ivory specimen found with other gaming implements in the tomb of Queen Hatshepsut, B. C. 1600, and instantly referred to by the Greek and Latin authors. Numerical values were attributed to each of the four throws, which, among the Romans, were designated as *Supinum*, *Planum*, and *Tortuosum*, and estimated as three, five, one and six. Among the Persians and at the present day throughout western Asia, the four sides receive the names of the four classes of human society; thus among the Persians, according to Dr. Hyde, they are called "thief," *Dibban*, "peasant," *Vezir* and *Shah*, and so with the Turks, Syrians, Egyptians and other peoples. A pair of natural bones from the right and left leg of the animal are commonly used, which among the Syrians of Damascus are designated respectively as *yisr* and *yemlul*, "left and right." The transition from these *tab* as the Arabs call them, from *kab* meaning "ankle" or "ankle bone," to the cubical dotted dice was an easy one. The same numerical values and social designations were attributed to the

... to the knuckle-bones, and it is curious to note  
... in China are those that bear the numbers and  
... Indian dice, which are exhibited, and  
... have been made in pairs, like the *marble* and  
... of *carabain*, the dual of *carab*, the name was  
... the Syrian dice used in the game of *carabain*  
... Japanese dice used in the game of *carab*,  
... dice which I have observed in the  
... arrangement of the numbers on the  
... must have been the same as the  
... of the Chinese dice, and the  
... of the Chinese dice, and the  
... of the Chinese dice, and the

oes in China and Corea; these forming part of the material used in the investigation of the origin of dominoes. Japanese and Siamese dice are also exhibited with the East and Chinese specimens, as well as dice made in various parts of Europe, comprising of iron dice purchased at Perugia; which, although presumably modern, have the pips ranged with the 6-5, 4-2 and 8-1 opposite, like those of old Etruria, instead of the 6-1, 5-2 and 4-3, the spots on opposite sides being equal to seven, as is otherwise general. With these are the spinning dice of various countries, including the East Indian *chutree*, the *ch'eme*, and the corresponding dice of Japan and Siam. A variety of dominoes is displayed, including those of Corea, which are identical with those of China, and these dominoes which were borrowed from the latter country.

A pair of knuckle-bones appears to be the parent of that large class of games which Mr. Cushing describes as the "backgammon group." With reference to dice backgammon evidence in this particular is very direct, but as to the similar games played with cowrie and wooden blocks, for which even a greater antiquity may be claimed, there is a likelihood of independent origin. Several games of the latter class from India, North America, Egypt, which have been referred to by Mr. Taylor, are exhibited in this collection. *Pachisi*, is the most popular game in India. It is played around a board, usually of cloth, in the form of a cross, according to the throws with cowries. Six or seven are ordinarily used and count according as the apertures fall. When long dice are employed, the game is called *Chausar*. This game was introduced from India to the United States, where it was first published in 1860 under the name of Parchesi, and is now very popular. Mr. Cushing has set up beside the Pachisi a Zuni game which he calls *Ta sho li we*, or "wooden cane cards," and which has many points of resemblance to the East Indian game. The moves are made according to the throws with wooden blocks three inches in length, painted red and black upon their two faces, around which are 40 stones, which is broken at the top and bottom, and the right and left, by four stones called the "doorways of the four directions." This game embodies many of the old conceptions of the Zunis. It is played by two or four players, who use colored stones to mark their course around the circle. These splints, which are placed at starting points, to which they correspond, have the following symbolism: At the top, Yellow, The Wind, Winter; at the left, Blue, West, Water, Spring; at the bottom, Red, Fire, Summer; at the right, White, East, Seed or Earth, Autumn. The colors of the wooden blocks symbolize the two conditions of man: Red, light or wakefulness; Black, darkness or sleep. The throws with the blocks, which are tossed, ends down, upon a sandstone placed in the middle of the circle, are as follows:

Black and 1 red count 2.

1 and 1 black count 3.

Black count 5.

1 count 10.

A count of three red gives another throw. When four play, the North and West move from right to left, and the South and East from left to right. When a player's stone is at a division of the circle occupied by his adversaries' piece, he takes it up and goes back to the beginning. It is customary to make the circuit of the stones either six times, beans or corn of the seven varieties being used as counters. This game is one of the seven sacred games of the Zunis and its ante-type, *Sho li we*, or "game of the four games that are sacrifices to the God of War and Fate. The sacred game is called *Tsin thla nah na ta sho li we*, or literally, "Of all the regions of the four games," and the blocks which are thrown in it bear complicated marks, consisting of color on one side. In the sacred game the players are chosen with great care in reference to their totem, and the region to which it belongs. A much more complete



to or "The Tables of the Promotion of Officials," a game which has been known to us through Dr. Hyde's account as "The Game of the Promotion of Mandarins." It is played by two or more persons upon a large paper diagram, upon which are printed the names of the different officials and dignitaries of the Chinese government. The moves are made according to the throws with four cubical dice, and the players, whose positions upon the diagram are indicated by notched or colored splints, are advanced or set back, according to their throws. The paper chart here exhibited was purchased in a Chinese shop in New York City. It was printed in Canton and bears an impression about twenty-three inches square. This is divided into sixty-three compartments, exclusive of the central one reserved for entering at the lower right-hand corner. The latter contains the names of fifteen different starting points, from *yan shang*, or "honorary licentiate" down to *shang*, or "student," between which are included the positions of *lin man shang* "astrologer," and *i shang*, "physician." These are entered at the commencement of the game by the throws of "three, four, five, six;" three "fours;" three "sixes;" three "fives;" three "threes;" three "twos," and three "ones;" and then in the same manner, double "ones," and so on down to double "ones."

The sixty-three compartments, representing as many classes of officials or degrees of rank, comprise three hundred and ninety-seven separate titles, of which the highest, and the highest goal of the game, is that of *man fa tin tai hok sz* or "grand secretary." This, however, under favorable conditions, can only be reached by a player who starts from the lowest point, advancement in the game being regulated by rules similar to those which actually regulate promotion under government. Thus, a player whose fortune it is to enter as physician or astrologer can only obtain promotion in the line of his service, and must be content with a minor goal, as he is ineligible to the high civil office of grand secretary."

The dice are thrown into a bowl placed in the center of the sheet, the players taking in turn, and each continuing to throw until he makes a cast of doublets or fours. It is noticeable that "fours," as in Dr. Hyde's account, constitute the highest rank. A pair of "fours," according to the rules, is to be reckoned as *tak*, "virtue," and to a higher place than those of the other numbers. "Sixes" are next higher and are reckoned as *ts' oi*, "genius," and in the same manner, in descending degree, fives are reckoned as *kung*, "skill;" "threes" as *lung*, "forethought;" twos as *yau*, "tractation;" and "ones," *chong*, "stupidity." The game is much complicated by being played with money or counters, which is necessary under the rules. By this means advancement is purchased, degradation compounded for, and the winner of a high position rewarded.

The main point of difference between the game as it exists to-day, and as described by Dr. Hyde, is the number of dice employed, six being the number mentioned by him. The enlarged form of the diagram is of minor importance, as he himself says that the names of officials written on the tablet are many or few, according to the pleasure of the players. With the game of *Shing kun to* may be seen a copy of Dr. Hyde's treatise, *De Orientalibus*, containing the reproduction of the chart of the game which he made in 1800, 200 years ago. The names of titles of the Ming dynasty appear upon it, in curious contrast to those of the present Tartar domination. The two hundredth anniversary of the printing of the imprimatur of this precious volume occurs on the 20th of September of this year.

There is a very great variety of games of this character in Japan, new ones being published annually at the season of the new year. Illustrations of the more formal game are found upon a board divided into twelve parts are figured in the Chinese-Japanese Cyclopaedia. According to the *Kum mo dzu e tai sei* the twelve compartments, called in Jap-

and the black and white stones with

laid upon a board having many  
found in Florence, is a manuscript  
first printed in Florence bear the  
of, while late examples, more late-  
of *Il Giuoco*, and *La Battaglia del Giuoco*,  
of *Il Giuoco*, beside which is placed a

These are contained in this case,  
of Hindu cards, which they call  
of different sets from 15 to 30,  
each composed of twelve cards,  
the remaining cards are designated  
an explanation has yet been afforded

known by the name of *kanda*, a  
these commonly used by gamblers, a  
these are called *Hani Kanda* or  
it will be observed identical  
these chiefly flowers emblematic of  
Their names are as follows:  
"wild rose;" *Hagi*, "Les-  
"wisteria;" *Soba*, "ger-

of cards, half of which bear a  
of each. Each of the other  
with one of the characters,  
laying out all the picture  
of each, while the others are  
of each character. The *U*  
of each, the well known one  
of the old and new collec-  
of the poet or poetess.  
of corresponding cards. The

of each and games played  
of each have been pub-  
of each of similar  
of each, but however, of the

## 2. manufacture of playing

of each they were manu-  
of each, has been  
of each that playing cards  
of each, remarkable similitudes  
of each have been brought

hi  
E  
ta

light by Mr. Wilkinson, it may be profitable to suspend further consideration of the matter until the results of his studies are made public. Italy appears to be the oldest home of the playing card in Europe, and the earliest Italian packs are said to be those of the Italians call Tarocchi. Several types of these cards are found in Italy. According to Welshire these games are known as the *Tarots* of Venice or Lombardy, the *Tarocchi* of Bologna and the *Minchiate* of Florence. The first of these, the old Venetian one, he regards as the parent of all. The sequence consists of 78 cards, *i. e.*, of 22 emblematic cards or *Tarots* proper and 56 numeral cards made up of 16 figures or court cards, and 40 pip cards. The 22 Tarot cards bear emblematic designs which appear to be borrowed from a series of prints which are known to collectors as the *Tarocchi* of Mantegna or *Carte di Baldini*. The emblematic cards in the Venetian series usually bear the following names:

1. La Bagatella.
2. La Papessa.
3. L'Imperatrice.
4. L'Imperatore.
5. Il Papa.
6. Gli Amanti.
7. Il Carro.
8. La Guistizia.
9. L'Eremita.
10. Ruota della Fortuna.
11. La Forza.
12. L'Appeso.
- 13.
14. La Temperanza.
15. Il Diavolo.
16. La Torre.
17. Le Stelle.
18. La Luna.
19. Il Sole.
20. Il Gindizo.
21. Il Mondo.
22. Il Matto.

No name is placed upon the 13th, which usually bears a skeleton with a scythe, representing "death."

The second game, the *Tarocchino*, of Bologna, through a direct descendent of the old Venetian tarots, is not so old as the third game, or *Minchiate* of Florence. The characteristic of the *Tarocchino*, its name a diminutive of tarocchi, is the suppression of the 2, 3, 4 and 5 of each numeral suit, thus reducing the numeral cards from 56 to 28.

This modification of the tarots game was invented in Bologna, early in the fifteenth century by Francesco Fibbia, Prince of Pisa, an exile in that city, dying there in 1419.

The third game is the *Minchiate* of Florence. It is more complicated than the Venetian game, twenty additional cards being added to the emblematic series. A pack of modern Venetian tarots made, in Milan, which are remarkable for their beautifully engraved painted designs; a pack of modern *Tarocchino* from Bologna, and a pack of seventeenth century *Minchiate*, are displayed in the south side of this case. All of these cards are in use in different parts of Italy.

The suit marks in Italian cards consist of money, cups, swords and clubs, called *ri*, *copper*, *spade* and *bastone*. The four court cards of the numeral suits are known

anese *me*, or "eyes," which the game is called.

Italy contraband stations. The only game bearing upon printed labels of the kind, both in name and in design. A French game is very similar American.

A number of the cards among which are the *Gungefa*. They are 10 inches. One pack of ten of which are respectively as to their origin.

The Japanese word evidently a pack of which is "Flower cards" with that of the twelve months. *Matsk*, "pine;" *pedeza*; *Kiku*, "lily;" *Ume*, "plum."

The *Iroko* picture and of cards is inscribed. There are several cards face of endeavor to see *Karuta*, or "hundred sonnet." *Hei* with the common game is the same.

America, with dice is published in 1875. Games published entire run.

Taich cards. The object of the game were invented between the

- XIII. Ein Eleuteier.
- XIV. Ein Storch.
- XV. Ein Elephant.
- XVI. Ein Fuchs.
- XVII. Ein Noshorns.
- XVIII. Ein Wolf.
- XIX. Ein Bier.
- XX. Ein Grile.
- XXI. Ein Pfau.
- XXII.

Willshire has pointed out that the Italians early suppressed the emblematic cards in a game termed *Trappolla*, in which the true tarots were abolished as likewise the three, four, five and six of each numeral suit. This game, he states, was still in vogue in Silesia when Breilkopf wrote (1784). An interesting Austrian pack of this character is shown under the name of *Trapollier spiel* in which the shape as well as the suit marks of the Italian tarots are displayed.

The German cards manufactured in Germany are prefaced by a series of reprints of German cards of the last century exhibited by Mr. Macauley. They were obtained by him through the courtesy of the Bavarian National Museum in Munich, for which they were made from the original blocks of the old Munich card makers which have been conserved in the museum.

#### CASE XI.

German cards (continued,; Swiss, Danish, Swedish and Russian cards; Spanish, Mexican and Apache cards. The collection of cards made in Germany comprises 58 packs, consisting chiefly of the current cards manufactured by card makers in Munich, Altenburg, Frankfurt A.-M., Berlin, Leipsig and Breslau. Among these is an extremely beautiful pack by B. Dondorf of Frankfurt with pictures suggesting the four quarters of the globe after designs by Haussmann. Toy cards, patience cards, comic cards, trick cards and cards which are labeled "Gaigel cards" appear, as well as cards made for special games, as the *Hexen* of "Witch" packs. Many of the cards manufactured in Germany are seen to bear the French suit marks of *cœurs, carreaux, piques* and *trefles*, or "hearts," "diamonds," "spades" and "clubs," instead of the old German suit marks, and the Court cards correspond at the same time with those of France and England. There is a number of packs with the French suit marks, which bear pictures of Swiss scenery and costumes. The cards made in Switzerland are from Schaffhouse and Geneva, and comprise a variety of designs including those which are especially designated as Swiss, German cards and German packs. Belgium is represented by a German tarot pack, and imitations of English cards which are made for oriental markets. Three packs of this character are shown, which were sent from Johore in the Malay Peninsula to the Exposition, with another pack from Beirut in Syria. The Russian cards in the collection contributed by Madam Semetchkin, the representative on the Russian Commission of the "Institutions of the Empress Marie," are similar to the modern French cards. The manufacture of playing cards in Russia is a monopoly of the state, and the revenues accruing to are devoted to the support of the great charitable institution of which Madam Semetchkin is the distinguished representative.

Tarots or Tarocchi cards are not used in Spain, nor are they found among Spanish cards. The regulation Spanish pack now consists of forty-eight cards of four suits, called, respectively, *Dineros*, "money;" *Copas*, "cups;" *Bastos*, "clubs," and *Espadas*, "swords." The numerals run from one to nine, the ten being replaced with the *Caballo*, the

comprising the *Sota* or "knave," the *Caballo*, or "knight," and the "*Rey*" or "king." Cards manufactured at Vitoria, Burgos, Madrid, Barcelona, Valencia, Cadiz and Palamos are displayed. Great antiquity has been claimed for cards in Spain and it is urged that this is the country through which Europe received cards from the East, but heretofore, no Spanish cards of assured date earlier than 1600 have been known, and material evidence has been lacking. There was exhibited at the Columbian Historical Exposition, in Madrid in 1892-1893, a sheet of cards made in Mexico in 1583, which has been preserved in the Archives of the Indies at Seville, Spain, and which throw light upon the origin of Spanish cards. A copy made in water colors by an artist in Madrid is shown in this collection. It consists of an uncut sheet of about 11x17 inches, and bears on the back a pen and ink inscription with the date, 1583. The face displays an impression from a wooden block of 24 cards each 2x3½ inches. They are colored in red, blue and black, and represent the court cards and aces of the suits of money, cups, clubs and swords, and ten numeral or pip cards of the suit of swords. There are but three court cards for each suit, instead of four as in the present Spanish pack. The marks of the numeral suit consist of crossed swms, instead of being arranged as on the Spanish cards now current, and strongly point to the Italian affinities of early Spanish cards.

Side by side with this early Mexican pack is a colored plate representing leather cards made by the Indians of South America, and an original pack of leather cards used by the Apaches. From the arrangement of the swords on both of these sets, which were copied from cards introduced by the Spaniards, it appears that they were imitated from the present type of Spanish cards. Such is not the case with the corresponding marks on a pack of native cards from the Celebes, which are also exhibited. Their Spanish origin is clearly indicated by their number, 48, and by the devices, which still bear a faint resemblance to those of Europe, but the clubs and swords on both are indicated by cross lines, which confirm the impression created by the Mexican pack. The Japanese "*Hana Karuta*," or "Flower Cards" are also shown here; as another pack of oriental cards derived from those of Spain or Portugal. Their number, 48, and their name, *Karuta*, from the Portuguese, *carta*, clearly suggests their origin.

## CASE XII.

**French, English and American playing cards; Fortune-Telling cards; Dr. Busby; Authors, and miscellaneous card games.** Tarocchi cards are called tarots in France, and the French tarot pack is similar to the Venetian. The earliest specimens of French tarots exhibited bear the name of Claude Burdel and the date, 1751. There is direct historic proof that France possessed cards at a very early time in the accounts of the treasurer of Charles VI., A. D. 1392. The earliest pack of French cards in this collection is one of which I have not been able to determine the date. It bears the name Pierre Montalan on the knave of spades and Claude Valentin on the knave of clubs. A variety of modern French packs are shown, including those made with Spanish suit marks and special cards for various games. The French suit marks, with which all are familiar, reappear on English cards, and according to Willshire it is most probable that cards made their way into England through France. He states that the time is not known, but that we are safe in believing that cards were not in use in England until after the reign of Henry IV (1405), and that they were certainly employed before 1463. The English cards here displayed consist entirely of those of the present day, but this deficiency in historical packs is compensated for in greater part by Lady Schreiber's great folio volume on English and Scottish, Dutch and Flemish cards which she has loaned for this collection. This great work, of which this is but the first volume, contains fac-similes of the cards in Lady Charlotte Schreiber's private collection and reveals the wealth of his-

tical suggestions to be found upon playing cards, and their value, as thus collected, to the antiquary and historian.

America early received playing cards from Spain, and Spanish cards are made and imported into Spanish-American countries. In the United States English cards were naturally adopted. No very early packs are shown, but some interesting cards are found in the North American series, including a variety of cards with patriotic emblems made at the time of the rebellion, as well as the caricature cards of the recent political campaigns. The collection closes with the souvenir packs of the Columbian Exposition at Chicago. Mrs. J. K. Van Rensselaer's work, entitled *The Devil's Picture Book*, a copy of which is exhibited, contains many interesting particulars concerning cards and card playing in America. Several interesting card boxes are shown in this collection, including a collection of the old-fashioned "fish" or card counters of mother of pearl, among which are some that belonged to Robert Morris, the financier of the Revolution. Treatises on American card games, exhibited by Messrs. Dick & Fitzgerald, conclude the series of playing cards proper.

Among the notions concerning the origin of cards in Europe is one that they were first introduced by the gypsies who used them in fortune-telling. It appears that they were early used for divinatory purposes in Europe, but according to Willshire, their employment in fortune-telling gradually declined among the upper classes until the middle of the eighteenth century, "though it was prevalent, no doubt, among the lower grades of society frequenting fairs and the caravans of mountebanks. About 1750, divination through cards again became popular in Paris, at least, for in 1751, 1752 and 1753 three persons were publicly known as offering their services for this intention." According to certain writers, the emblematic figures of the tarot cards are of very remote origin, stretching back as far as the ancient Egyptians, from whom they have descended to us as a book or series of subjects of deep symbolic meaning. "The discovery and explication of the meaning of the tarots employed in modern times was claimed by M. Count de Goebelin in 1781, who, in his *Monde Primitif analyse et compare avec le Monde Moderne*, gave a dissertation on the game of Tarots, in which he states that the tarot pack is evidently based on the sacred Egyptian number seven, and reviews the tarot emblems in detail.

The probable origin of the 21 tarot cards has already been suggested in connection with Chinese cards, and it is not surprising that the astrological notions associated with Tarots should find parallels in the speculations of the Kabbalists, who attached similar notions to the dice throws as are now found associated with them in China, from whence the 21 Tarot cards doubtless came to Europe. An explanation is therefore found for some of the resemblances upon which M. de Goebelin lays such stress. His fancies, however, never subjected to very severe examination or criticism, were seized upon by a perruquier of Paris of the name of Alliette, who combined with his ordinary occupation the practice of artomancy. He read the dissertation of Count de Goebelin, and thereby enlightened, changed the letters of his name and prophesied under the name of Ettilia. His writings furnish the basis of most of the treatises now extant upon the subject of fortune-telling with cards, and his name is found associated with several of the modern French tarot packs published especially for fortune-telling, in the present collection. During the exciting periods of the first consulship of Napoleon I, there lived, according to Mr. Willshire, a well known divineress named Madam Lenormand, whose predictions gained great repute. Her name, with that of Ettilia, appears on the French cards here exhibited, as well as on those made in America. Several French and German fortune-telling packs of an amusing character are to be found in the present collection, as well as others published in the United States, which are designed solely for purposes of amusement.

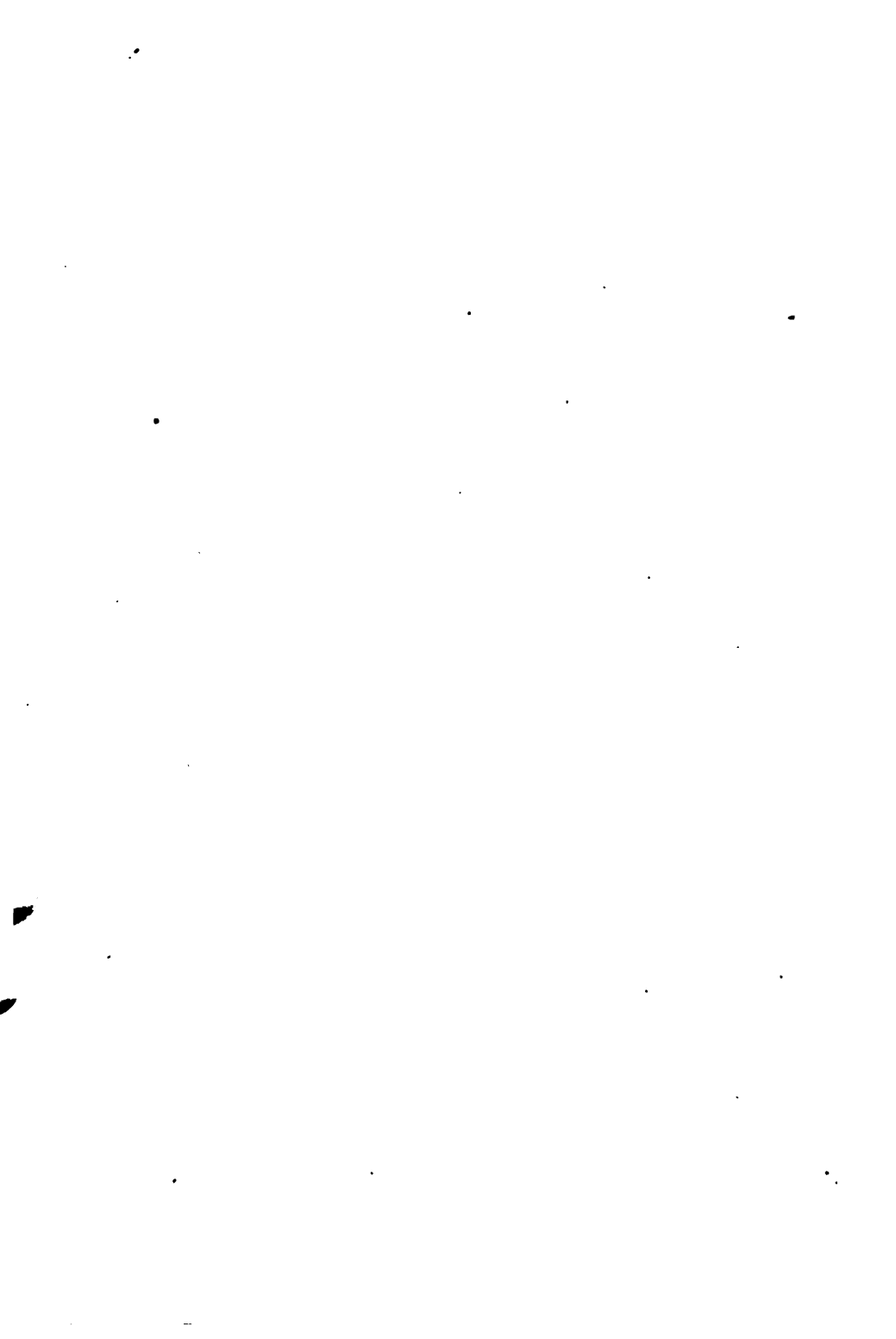
The entire northern side of this case is devoted to the card games other than regular playing cards, which owe their existence to the prejudice against cards or to the demand

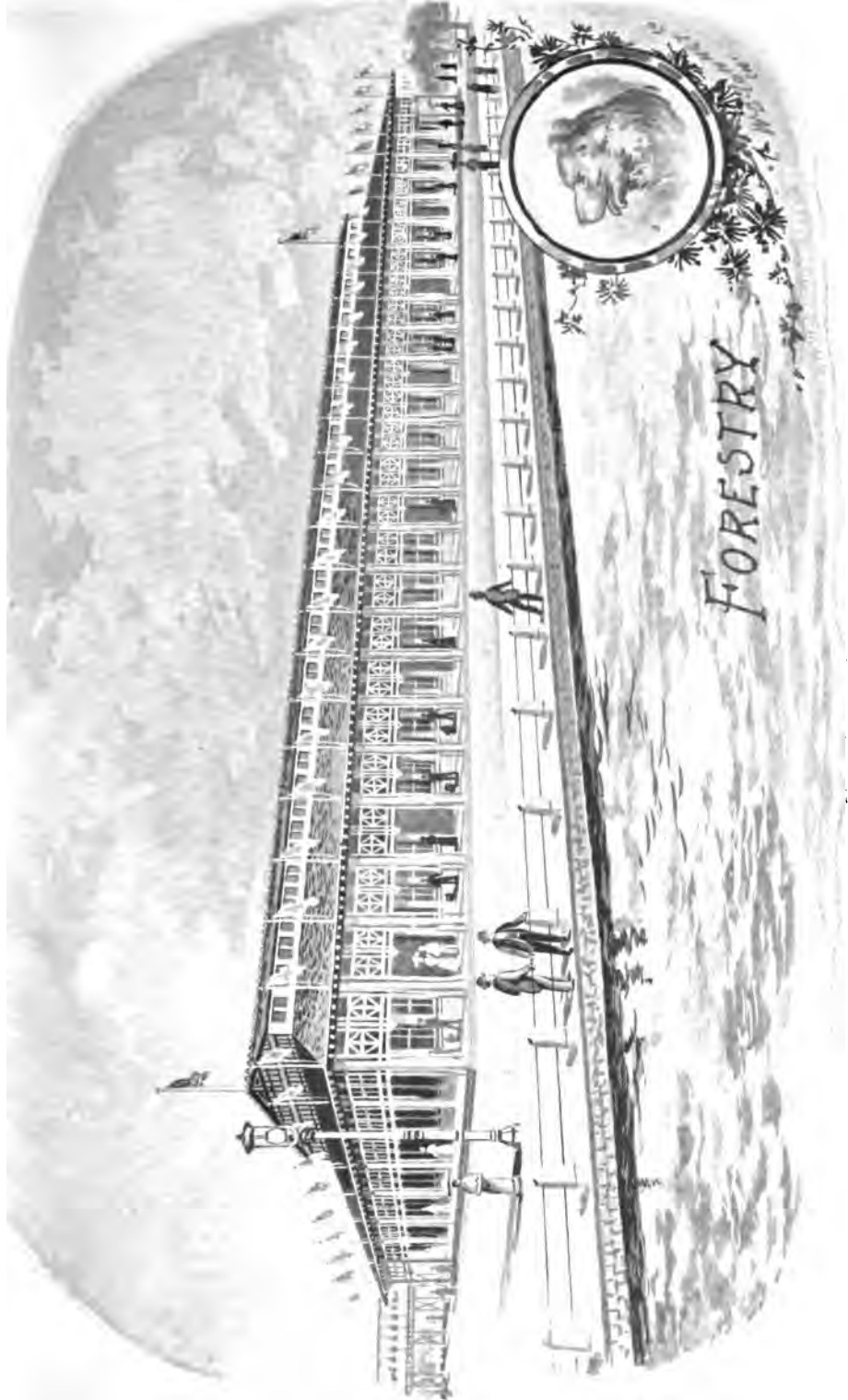
for simple and instructive amusements for children and young people. Mr. Milton Bradley has contributed some interesting notes on the history of such games in this country. In 1843 Mrs. Annie W. Abbott, a clergyman's daughter, of Beverly, Mass., offered to Mr. Ives, a publisher of Salem, Mass., a card game which she called "Dr. Buzby." This game, which was the first of its kind, was reluctantly published by Mr. Ives and met with an astonishing success, no less than 50,000 copies being sold in the following year. It will be remembered by many of the parents of the present day as among the earliest games ever learned and possibly played upon the sly through fear of reprimand. A pack of the original "Dr. Buzby" cards will be found at the beginning of this collection. The game of "Authors" was originated by a young man living in Salem, helped by some of his female acquaintances. The method of play was copied from "Dr. Buzby," but it contained an element of instruction and profit not found in the older game. He took it to a local publisher to see if he could have ten or a dozen packs printed, as it was too much work for him to print them. Mr. Smith, the publisher, saw the possibilities of the game and told him if he would let him make them he would supply his needs gratis, to which he consented. This was in 1861 and the sale of this game has since been wonderful. Many modifications and improvements of the original game are shown in the collection.

Soon after the publication of "Dr. Buzby," a teacher in a young ladies' school in Salem, devised a game of letters which has since become popular under the various names of "Spelling Puzzle," "Word Making and Word Taking," "War of Words," "Anagrams," "Logomachy," "Words and Sentences," etc. The publications of the Milton-Bradley Company, McLaughlin Bros. and E. I. Horsman are here exhibited, and no less than 78 different card games are displayed. They are classified in groups according to the methods of play, which, in spite of the ingenuity displayed in the designs of the cards, are relatively very limited in number, the ideas in the main being derived from games already played with regular playing cards.

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FORESTRY



# WORLD'S COLUMBIAN EXPOSITION

1893

## OFFICIAL CATALOGUE

PART XIII.

## FORESTRY BUILDING

DEPARTMENT N

## FORESTRY AND FOREST PRODUCTS

W. I. BUCHANAN, CHIEF.

L. M. EVANS, SUPERINTENDENT.

EDITED BY

THE DEPARTMENT OF PUBLICITY AND PROMOTION

M. P. HANDY, CHIEF

CHICAGO:

W. B. CONKEY COMPANY, PUBLISHERS

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WORLD'S COLUMBIAN EXPOSITION,

CHICAGO

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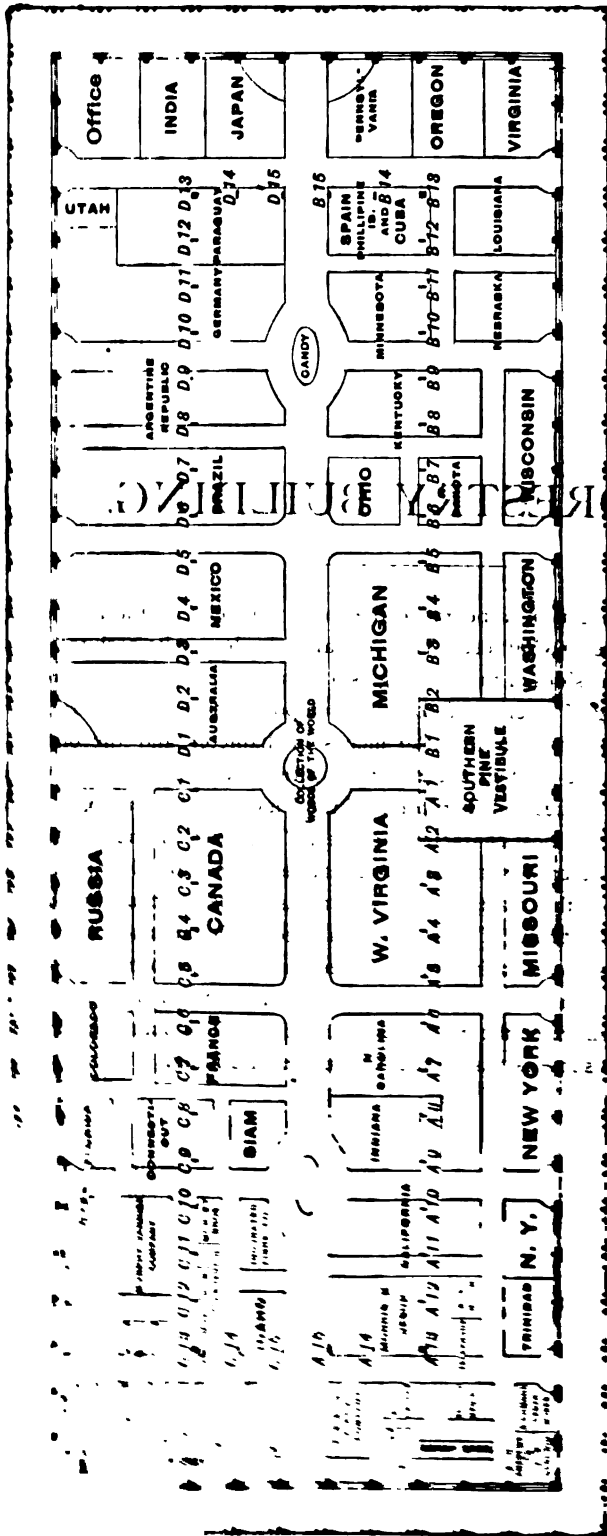
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## FORESTRY BUILDING.

The Forestry Building is in appearance the most unique of all the Exposition structures. Its dimensions are 200x300 feet. To a remarkable degree its architecture is of the bower. On all four sides of the building is a veranda, supporting the roof of which is a colonnade consisting of a series of columns composed of three tree-trunks, each 25 feet in length, some of them from 16 to 20 inches in diameter and the others smaller. These trunks are left in their natural state, with bark undisturbed. They are contributed by the different States and Territories of the Union and by foreign countries, each showing specimens of its most characteristic trees. The sides of the building are covered with the bark removed. The main entrances are elaborately finished in different kinds of wood, the material and workmanship being contributed by several prominent lumber associations. The roof is thatched with tan and other barks. The visitor can make no mistake as to the kinds of tree-trunks which form the colonnade, for he will see upon each a tablet upon which is inscribed the common and scientific name, the State or country from which the trunk was contributed. The plan of installation in the Forestry Building is the same as that in the Agricultural Building.



ДОПУЩАЕТСЯ 1000,

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WORLD'S COLUMBIAN EXPOSITION  
FOR THE SALESMEN HAS BY  
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CHICAGO

**World's Columbian Exposition. Forestry Building.**

# How to Find Exhibitors and Their Exhibits.

The list of exhibitors from the United States will be found in the first portion of this catalogue, the foreign countries with their exhibits installed in Forestry Building following alphabetical order. Each country has its exhibits numbered consecutively, and as far as practicable each exhibit has a card attached to it bearing the name of the country and the words "Official Catalogue Number," and that number corresponds with the number in this Catalogue. For example, if a card is found with the following matter thereon:

Department N. Forestry.  
**DEPARTMENT N.**  
 Official Catalogue No. 21

The visitor will turn to 21 in the United States portion of the Catalogue where will be seen the following entry:

21. United Indurated Fibre Co., Chicago.  
 Pails, washtubs, measures, basins, vases,  
 etc. C-10 110

It may be that the visitor's attention is first directed to the Catalogue and he may be desirous of finding this exhibit. The first thing he should do is to see what the location is. That being C-10 he will refer to the diagram on the opposite page, which shows that the floor of the Forestry Building is laid off into four divisions lettered A, B, C and D. Each of these divisions contains sections numbered from 1 to 15. In the southeast quarter is A, the southwest quarter C, in the northeast quarter B, and in the northwest quarter D. The plan of installation is exceedingly simple, and it will be readily seen that the exhibit the United Indurated Fibre Co. is located in the southwest quarter in close proximity to section C-10.

The class number 110 serves many purposes and one especially. A visitor, for instance, would like to see all the exhibits of pails, washtubs, etc., in the Forestry Building. He immediately turns to the classification grouping, where he will read in class 110 the following: Paper and woodenware generally, as pails, tubs, platters, brooms, coopers' stock. He then refers to the list of exhibitors and by glancing down the right hand side for 110 sees all exhibitors alphabetically arranged who are exhibiting pails, tubs and other articles enumerated in that class.

This rule applies to every exhibit in the Forestry Building, whatever its character may be, and by following the above plan the visitor will experience no difficulty in locating the exhibitor or his exhibit.

No attention should be paid to any numbers which may be affixed to exhibits, except as appearing on cards in the form given above.

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- Class 114. Timber culture—plant material—conifers, seedlings and transplants. Broad-leaved trees. Seedlings, transplants of various sizes, cuttings. Seed collections and means for storing seed.  
Means employed in gathering and preparing seed and other plant material for the market, and seed testing.
- Class 115. Timber culture and cultivation.—Implements for the cultivation of the soil. Special adaptations. Sowing machines and tools. Implements and machines used for planting. Implements used in after-culture. Means of protection against insects, animals, climate. Seed-beds and other graphic illustrations of nursery practice.
- Class 116. Forest management—maps, plans, illustrations, calculations illustrating forest management. Instruments for measuring standing timber. Growth of different ages and soils. Graphic or other illustrations showing rate of growth. Graphic or other illustrations showing influence of various managements on tree-growth. Statistics of lumber trade and of forestry. Exhibits showing relation of forests to climate. Literature and educational means.
- Class 117. Lumbering and harvesting of forest products. The lumbering industry. Logging and transportation. Implements, machines, plans, drawings and statistical material. Loggers' tools, stump-pulling devices, marking devices, measuring tools. Loading devices, sleds, flumes, slides, rope tramways, railroads, methods of water transportation, rafts, booms, etc. The tan-bark industry. Other barks. The turpentine industry. The charcoal industry.
- Class 118. Preparation and manipulation of lumber. Dressing, shaping and preparation of wood. Hewing of logs, spars, etc. Shaping of knees. Sawing and milling. Drying and seasoning of wood, kiln-drying, steam-bending, etc.

## CLASSIFICATION

1. The term "classification" is used in many different ways. It may refer to the classification of objects, or to the classification of ideas, or to the classification of actions. In this paper, we will be concerned with the classification of objects.
2. The classification of objects is a very important part of many sciences. It is the basis of many of our most important theories, and it is the foundation of many of our most important practical applications.
3. The classification of objects is a very difficult task. It is a task that requires a great deal of knowledge and skill. It is a task that is often overlooked, but it is one that is essential to the success of many of our most important endeavors.
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# Department N.--Forestry and Forest Products.

## UNITED STATES.

### Forestry and Forest Products.

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Albro, E. D., Co., Cincinnati. Cabinet woods and veneers.	A-15 101
Andrews, A. H., & Co., Chicago. Lumber drier.	A-13 118
Arizona Territory.	
a Pine log.	C-12 99
b Mouldings.	100
c Views of mill lumber yards, logging camps and timber.	116
Armstrong Bro. & Co., Inc., Pittsburgh, Pa. Corks and cork specialties.	
	C-14 104
Berry Bros., Detroit, Mich. Redwood plank.	A-13 99
Burgland & Shead, Chicago. Wooden tiles.	C-13 110
California, State of.	
a Collection of woods and large cross section of redwood.	A-10-11 99
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c Pine cones for decoration.	107
d Odd growths of buckeye, fir, madrone and sycamore, and redwood showing curious formations of the grain.	113
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Colorado State Agricultural College, Fort Collins, Col.	
a Specimens of wood sections.	C-6-7 99
b Forest seeds.	107
c Herb plants.	108
Compound Lumber Co., Chicago. Redwood doors.	C-11 100
Connecticut, State of.	
a Collection of timbers.	C-8-9 99
b Curious growths, etc.	113
Crittenton, H. M., Chicago. Logging apparatus.	C-12 118
Disston Land and Drainage Co., Kissimmee, Fla. Cabinet collection of specimens of wood.	C-9 99
Garrison Wood Turning Co., Chicago. Lusters, spindles and wood turnings.	C-13 100
Hartwell, Edwin S., Chicago. Lumber and shingles.	A-13 100

Exhibit No.	Class'n No.
6b. Hough, R. B., Lowville, N. Y. Wooden cards; "American woods." A-9; C-9	113
Medal awarded at Paris Exposition.	
6c. Idaho, State of.	
a Sections of trees and tamarac, yellow and white pine and red cedar plank.	C-12-13 99
b Shingles.	100
c Curious growth.	113
d Photographs of logging industry.	117
7. Jessup, Morris K., New York. Collection of native woods.	A-12 100
7a. Kansas, State of. Walnut log.	101
8. Korbel, F., & Bros., San Francisco. Redwood tanks.	C-13 110
8a. Lawson Soper Co., Chicago. Stick of fir timber 111 feet long.	Outside 99
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a Sections of timber, cypress planks 4 feet wide, magnolia plank, etc.	B-12-13 99
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c Gray and black moss.	105
d Cypress knees.	113
10. Mathieu, Josephine, Chicago. Apparatus for manufacturing charcoal, wood alcohol, etc.	C-13 108
11. McCreedy, R. W., Cork Company, Chicago. Cork and cork handles.	C-14 104
11a. Morley Brothers, Saginaw, Mich. Loggers' and lumbermen's tools.	C-10-11 117
11b. Murphy Varnish Co., Newark, N. J. Operative exhibit of the application of wood fillers and varnish.	C-10-12 118
12. National Ladder Co., Clyde, Ill. Ladders, scaffolds, brackets, etc.	C-13 110
12a. North Dakota, State of. Quaking ash, common thorn, balm of gilead, wild cherry, black cottonwood, wild plum, diamond willow, choke cherry, burr oak, sand cherry, American elm, basswood, rock elm, white ash, white pine, prickly ash, red cedar, white birch and box elder.	B-6-7

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
12b. Northern Pacific Railroad Co., St. Paul, Minn. Specimens of native woods.	Dept. G 99	17. Richardi & Bechtold, Bellaire, Mich. Household woodenware.	C-11 119
In two exhibit cars, Transportation Building.		18a. Southern Lumber Manufacturer's Association, St. Louis. Vestibule composed of southern woods.	A-2, B-2 101
13. Oshkosh Logging Tool Co., Oshkosh, Wis. Loggers and lumbermen's tools.	C-14 117	19a. Todd & Roper, Milan, Tenn. Coop- erage.	C-13 110
14. Piedmont Pulp & Paper Co., Piedmont, W. Va. Wood fibre and paper.	C-13 109	20. Two Rivers M'fg Co., Two Rivers, Wis. Wooden tubs and pails.	C-13 111
14a. Plant System of Railroads, Sanford, Fla. Native Woods.	C-9 99	21. United Indurated Fibre Co., Chicago. Pails, washtubs, measures, basins, vases, etc.	C-10 110
15. Redlich M'fg Co., Chicago. Cork and woodenware.	A-13 104	21a. Utah Territory. Collection of woods.	D-13 99
16. Richmond Cedar Works, Richmond, Va. Woodenware.	A-13 110	22. Vanderbilt, Geo. W., New York. Working plans of forests with maps, photographs and products.	C-15 116

## INDIANA.

## LOCATION—SEC. A, 8-9.

## Forestry and Forest Products.

Exhibit No.	Class'n No.
1. Board of World's Fair Managers, Indianapolis, Ind.	
a Specimens of native woods.	99
b Maps showing distribution of woods in the State.	118

## KENTUCKY.

LOCATION—SEC. B, 8-9.

## Forestry and Forest Products.

Exhibit No.	Class'n No.
Abbott, J. H., Louisa.	Rhododendron. 99
Allen, A. W., Glasgow.	Paw-paw. 99
Arnold, S. M., Greenville.	Locust. 99
Asher Lumber Co., Ford.	Birch. 99
Atkins, L. S., Louisa.	Laurel. 99
Atkinson, John B., Earlington.	Oak, black haw, huckleberry, swamp dogwood, mountain and smooth sumach, Indian arrow, silver leaf poplar, red sassafras, black gum, white and yellow sweet gum, wild black cherry, chicken grape, yellow wood, cottonwood, shiny willow, blue plum, black willow, pear, yellow birch, prickly ash; water, clammy, yellow, common and privet locust, haphun beam; shellbark, southern, mocher nut, paper mulberry, white and black hickory, beech thorn, red buckeye, butternut, buttonwood, red cedar, coffee tree, flowering dogwood, green ash, honey locust, black sugar maple, white mulberry. 99
Bain, E. R., Campbellville.	Cherry. 99
Ballentine, Henry, Rumsey.	Osier. 99
Bassett, R. J. & Bro., Litchfield.	Gum. 99
Big Sandy Lumber Co., Catlettsburg.	Pine. 99
Black, Jno. A., Barberville.	Native woods. 99
Black, Q. D., Barboursville.	Oak. 99
Blain & Bond, Caneyville.	Pine. 99
Brady, J. J., Morehead.	Service berry. 99
Breckenridge Co., Cloverport.	Balm gilead. 99
Broas, R. M., Ashland.	Oak. 99
Buckner, S. B., Rio.	Oak. 99
Busle & Curran, Lexington.	Alianus. 99
Bussey & Webb, Louisa.	Magnolia. 99
Cahorn, J. M., Hadley.	Gum. 99
Campbell, Geo. W., Bowling Green.	Oak and coffee tree. 99
Campbells Lumber Co., Campbellville.	Chestnut. 99
Carey & Marble, Owensboro.	Walnut. 99

Exhibit No.	Class'n No.
22a. Carson, James F., Hartford.	Native woods. 99
23. Castleman, John B., Louisville.	Oak. 99
23a. Catron, J. H. & I. C., Barberville.	Native woods. 99
24. Chamberlain, J. B., Greensburg.	Cedar. 99
25. Chicago Lumber Company, Ashland.	Osage orange. 99
26. Choate, Wakefield, Frankfort.	Ash. 99
27. Clark Planing Mills Co., Ashland.	Box elder. 99
28. Cloves, Joseph, Sons, Frankfort.	Oak. 99
29. Coale, Jarrett, Paw Paw.	Plum. 99
30. Cobb, Rowland, Clay City.	Pine. 99
31. Cole, Columbus, Woodbury.	Beach. 99
32. Collins Lumber Co., Maysville.	Mulberry. 99
33. Collins & Murphy, Macedonia.	Hazelnut. 99
33a. Cooper, M. M., Morehead.	Service berry. 99
33b. Cooling, Henry, Lumber Co., Louisville.	Oak. 99
34. Coughton, J. T., & Bro., Frankfort.	Hickory. 99
35. Cumberland Co., Middlesborough.	Mulberry. 99
36. Davidson, V. A., Barboursville.	Maple. 99
37. Dean & Barrockett, Flat Lick.	Elm. 99
37a. Dickey, J. J., Jackson.	Native woods. 99
38. Dodge & Tarr, Lexington.	Hackberry. 99
39. Elliott, Green, Barboursville.	Maple. 99
40. Fagan, G. W., Pine Hill.	Laurel. 99
41. Fiers, J. B., Bear Wallow.	Sorrell. 99
42. Fuqua, J. A., Owensboro.	Oak. 99
43. Gamble Bros. & Co., Louisville.	Hickory. 99
44. Ganton, H. C., Mammoth Cave.	Oak. 99
44a. Garrand, T. T., Manchester.	Native woods. 99
44b. Garraud, Gilbert, Manchester.	Native woods. 99

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
45. Gottliff & Chestnut, Corbin. Poplar.	99	77a. McStewart, Wm., Artemus. Native woods.	99
45a. Gray, C. C., Grays. Native woods.	99	78. Meacham, J. S. & Co., Gracey. Persimmon.	99
46. Grundy, W. H., Bremen. Bass wood.	99	79. Meredith, Frederic, Bee Spring. Chestnut.	99
47. Hale, A. E., Flat Lick. Elm.	99	80. Moody, G. E. & Co., Louisville. Hornbeam.	99
48. Hall, W. W., Redwine. Barberry.	99	81. Moore & Sullinger, Hartford. Gum.	99
49. Hamilton, W. G. & Co., Louisville. Chinquapin.	99	82. Moriarty, P., Ashland. Holly.	99
50. Hammond, J. & Co., Flat Lick. Elm.	99	83. Morton Bros., Drakesboro. Elm.	99
50a. Hardwood Lumber & Stave Co., Barberville. Native woods.	99	84. Nash, P., Milwood. Alder.	99
51. Henry Cooling Lumber Co., Louisville. Hickory.	99	85. Northup, Jay H., Louisa. Chestnut.	99
52. Hoge, Chas. E., Frankfort. Oak.	99	86. Numnelly, G. H., Georgetown. Ash.	99
53. Hubbard, E. R. & Co., Middlesbrough. Leather wood.	99	87. Ohio Scroll & Lumber Co., Covington. Sycamore.	99
54. Hughes, W. J. & Co., Frankfort. Elder.	99	88. Osbrow, J. F., Frenchburg. Ash.	99
55. Hunter & Martin, Litchfield. Gum.	99	89. Page, F. S., Glasgow. Paw-paw.	99
56. Ingram, Frank & Co., Louisville. Ironwood.	99	90. Parker, James, Bryant's Store. Bass wood.	99
57. Ingram Lumber Co., Drakesboro. Thorn.	99	91. Payne & Graves, Ogden. Haw.	99
57a. Irvin, J. D., Creelsbrough. Cottonwood.	99	92. Peale, F. M., & Co., Carlisle. Pine.	99
58. Johnson & Bowling, Guthrie. Gum.	99	92a. Pearce, R. M., Artemus. Native woods.	99
59. Kelly, H. R., Barboursville. Maple.	99	93. Pence, W. S., Frankfort. Red bud.	99
59a. Kentucky Land Co., Clay City. Native woods.	99	94. Pioneer Lumber Co., Middlesbrough. Pecan.	99
60. Kentucky Lumber Co., Burnside. Cherry.	99	94a. Pollard, O. H., Beattyville. Native woods.	99
61. Keys Creek Planing Mill, Ashland. Hackberry.	99	95. Preston, A., Richardson. Osier.	99
62. Knott, J. Proctor, Frankfort. Chestnut.	99	96. Pritchard, R. H., Catlettsburg. Oak.	99
63. Kountz, S., Frankfort. Oak.	99	97. Proctor, L. J., Glasgow Junction. Oak.	99
64. Lanham & Bar, Lebanon. Sassafras.	99	98. Proctor & Troutman, Louisville. Red birch.	99
65. Langley, Lewis, Clarkson. Pine.	99	99. Richards, A. E., Louisville. Chestnut.	99
66. Langstaff & Orme M'fg, Paducah. Cypress and hemlock.	99	100. Robinson, Warren, Louisa. Magnolia.	99
67. Lindsay, R. S., Newstead. Haw.	99	101. Ruby, J. E., Madisonville. Witch hazel.	99
68. Lingut, John, Lexington. Buckeye.	99	102. Rule, P. S., & Co., Frankfort. Hickory.	99
69. Livezy, I. W. & Co., Newport. Birch.	99	103. Runyon, James, Ashland. Maple.	99
70. Louisville Spoke Co., Louisville. Oak.	99	104. Saller, W. J., Danville. Thorn.	99
71. Louisville Stave & Lumber Co. Birch.	99	104a. Sevell, G. W., Jackson. Native woods.	99
72. Lucas, F. M., Covington. Poplar.	99	104b. Share, James D., Godman. Native woods.	99
73. Mammoth Cave R. R. Co., Mammoth Cave. Box oak.	99	105. Shearman, H. C., & Co., Owingsville. Spruce wood.	99
74. Maney, J. H., Paducah. Dogwoods.	99	106. Shropshire, J. R., Georgetown. Ash.	99
75. Mark, M. B., Morehead. Birch.	99		
75a. Marsee, J. C., Artemus. Native woods.	99		
76. Maysville M'fg. Maysville. Oak.	99		
76a. May, E. Y., Corbin. Aspen.	99		

Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
7. Singer M'fg Co., Cincinnati, Ohio.	99	121. Vanmeter, Mrs. Mary, Bowling Green. Oak.	99
8. Slusher & Mitchell, Middlesborough, Ky.	99	122. Vanmeter, Chas. J., Bowling Green. Oak.	99
9. Smallhouse, Chas. G., Bowling Green. Oak.	99	122a. Vaughn, Alex. C., Barberville. Native woods.	99
10. Soudy, J. H., Louisa. Magnolia.	99	123. Watkins, N. M., Smithfield. Willow.	99
11. Spotswood, E. H., & Son, Lexington. Magnolia.	99	124. Weather, T. J., Chilesburg. Pine.	99
12. Stamps, J. A., Bonnieville. Basswood.	99	124a. White, B. P., Manchester. Native woods.	99
13. Standard Planing Mill Co., Ashland. Maple.	99	125. White, J. W., Millwood. Crabapple.	99
14. State of Kentucky. Forestry relief map of the State.	116	126. White, W. M., Lawrenceburg. Fringe tree.	99
15. Stevens, Geo. & Co., Greenup. Sturtea.	99	127. Williams, W. J., Catlettsburg. Oak.	99
16. Stone, John E., Litchfield. Chestnut.	99	128. Williamson & Bro., Lexington. Buckeye.	99
17. Stone, J. K., Newport. Sorrell tree.	99	129. Winstead, W. R., Grove Centre. Locust.	99
18. Tamlin, J. E., Somerset. Willow.	99	130. Wood, Hunter, Hopkinsville. Oak.	99
19. Tarr Bros., Paris. Plum.	99	131. Woolsey, Joseph, Big Reedy. Sheepberry.	99
20. Templin & Co., Paris. Hawthorne.	99	132. Yellow Poplar Lumber Co., Ashland. Yellow poplar.	99
21. Treadway, M. J., Booneville. Native woods.	99		
22. Trig, H. C., Glasgow. Oak.	99		

## MASSACHUSETTS.

LOCATION—SEC. C, 10-11.

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Adams, Fred, Leverett. Chestnut oak.	99	8. Massachusetts Agricultural College, Amherst. Butternut, wild black cherry, hemlock, white, black, pin and red oak, red ash, bitter nut hickory, hop-hornbeam, white elm, pine and white, pitch pine, swamp white oak, white heart hickory, large toothed poplar, white pine, chestnut, shell-bark hickory, white ash, yellow birch, tupelo, scarlet oak, hornbeam, canoe birch, American aspen, basswood, balsam of gilead, red maple, sweet birch and sugar and silver maple.	99
2. Crocker, Mr., Sunderland. Sassafras.	99	9. Moore, Warren E., Northborough. Rock chestnut oak.	99
3. Harrington, S. E., North Amherst. Balsam fir.	99	10. Phelps, Allyn D., Northborough. Northern cypress.	99
4. Hathorn, Peter, Shutesbury. White spruce.	99	11. Wilson, W. A., North Hadley. Cottonwood.	99
5. Mills, L. D., Amherst. Gray birch and red cedar.	99		
6. Hobart, Edmund, North Amherst. Butternut, beech.	99		
7. Hubbard, Parker D., Sunderland. Coppery elm and hackmatack.	99		
8. Legato & Howard, Sunderland. Wild red cherry.	99		

## MICHIGAN.

LOCATION—SEC. B, 1 to 5.

## Forestry and Forest Products.

bit	Class'n No.	Exhibit No.	Class'n No.
Agricultural College, Lansing. Specimens of timber, showing breaking strain and cases of insects that prey upon forest trees.	113	17. Kerns, Franz, Copernish. Wooden hammers.	110
Alpena Sulphate Fibre Co., Alpena. Sulphate fiber.	109	18. King, C. L., Cadillac. Berry boxes and baskets.	111
American Handle Co., Grand Rapids.		19. Le Valley, L., Ionia. Forest tree seeds.	118
a Cross section of hickory.	99	20. Michigan Washing Machine Co., Muskegon. Washing machines.	110
b Hickory handles.	110	21. Morley Brothers, Saginaw. Cant hook, pike and pevie handles.	110
Baumeister, F., & Son, Rockwood.		22. Ricardi & Bechtold, Bellaire. Wooden ware.	110
White ash splint baskets.	111	23. State of Michigan.	
Cheeseborough, Job, Freeport. Rake and fork handles.	110	a Sections of forest trees.	99
Cummer Manufacturing Co., Cadillac.		b Curious specimens of forest growth.	113
Sp-ladders.	110	24. Storms, Earl, & Co., Niles. Combination step and chair ladder.	110
Elk Rapids Iron Co., Elk Rapids.		25. Sutton Manufacturing Co., Detroit. Candy and tobacco pails.	110
Wood alcohol and acetate of lime.	108	26. Thompson, W. F., Ithaca. Butter firkins.	110
Germaine, E., Saginaw. Wooden sleys.	110	27. Waddell Manufacturing Co., Grand Rapids. Wood carving.	100
Grand Rapids Moulding Co., Grand Rapids. Decorative moulding.	100	28. Williams Brothers, Manton. Shoe lasts.	110
Grand Rapids Wooden Shoe Co., Grand Rapids. Wooden shoes.	110	29. Wood, M., & Co., Owosso. Neck yokes, whiffletrees and handles.	110
Grand Rapids Veneer Works, Grand Rapids. Veneer panels for decorative purposes and furniture.	101		
Hall, J. F., Bay City. Pine and cedar angles.	100		
Hasty, J. F., & Sons, Detroit. Cooperstock, staves, etc.	110	Exhibits Classified in Department H, but Installed in This.	
Hebard, Charles, & Son, Pequaming.			
White pine plank.	99		
Helenberg, J. F., Coldwater. Wooden jacks and coopers' tools.	110		
Helenberger, J. G., Coldwater. Baseball bats, croquet sets, etc.	110		

## DEPARTMENT H.

## GROUP 88.

30. Berry Brothers, Detroit. Hard off finish. 552

## MINNESOTA.

LOCATION SEC. B, 10-11.

## Forestry and Forest Products.

Exhibit No.	Class'n No.
1. Alexander, R., Minneapolis. Desk showing various samples of woods.	101
2. Barnard & Cope, Minneapolis. Furniture stock.	100
3. Boyce Brothers, Minneapolis. Hard-wood flooring and wainscoting.	100
4. Brown, H. F., Minneapolis. Siding, shingles, flooring and wainscoting.	100
5. Johnson & Hurd, Minneapolis. Panels.	101
6. Minneapolis Wooden Ware Co., Minneapolis. Pails and tubs.	110
7. Minnesota, State of. a Sections of timber logs with registration of age; plank and boards.	99

Exhibit No.	Class'n No.
b Specimens of ornamental woods and veneers.	101
c Forest seeds.	107
d Unique burls.	113
e Illustrations of windbreaks.	115
f Statistical maps.	116
g Photographs of logging operations.	117
8. Rogers, L. Z., Waterville. Collection of ornamental woods.	101
9. Wheaton & Reynolds, Minneapolis. Walnut and cottonwood planks, veneers, etc.	101
10. Wilcox, J. H., Minneapolis. White pine plank.	99

## MISSOURI.

LOCATION—SEC. A, 2 to 5.

## Forestry and Forest Products.

Exhibit No.	Class'n No.
1. Beal, D. L., Varner. Red and scarlet oak.	99
2. Bedford, Mr., Bloomfield. Elder.	99
3. Blevins, Mr., Varner. Black oak, hercules club and service berry.	99
4. Board of World's Fair Managers, Jefferson City. Blue ash, aspen, buckeye, catalpa, black wild cherry, dogwood, gum, hackberry, hickory, holly, linden, maple, pine, poplar, red bud, sassafras, willow alder, bittersweet, blackberry, haw, brunnichia, rattan, Carolina rose, prairie rose, saw-briar, sheepberry, St. Johns-wort, strawberry bush, sumach, trachelospermum, trumper creeper, waahoon, wafer ash, wisteria, oak, buckthorn, button bush, chokeberry, cissus, corkwood, crabapple, cross vine, dewberry, elder, sparkleberry,	

Exhibit No.	Class'n No.
foresteira, grape, greenbrier, wild hydrangia, arrowroot itea, kinnikinnick, moonseed, pipevine, planetree, wild plum and raspberry.	113
5. Boyden & Wyman, Neelyville. Gum, hackberry, hickory, silver maple and cow, white and willow oak.	99
6. Buck, Mr., Bloomfield. Laurel and pin oak and black and white walnut.	99
6a. Dawson, Robert A., New Madrid. Section of coffee tree.	99
7. Dawson & Hunter, Henderson. Cypress, gum, red maple, oak, sycamore, cotton wood and burr oak.	99
8. Eaton, L. A., Varner. Ash, birch, elm, hackberry, honey locust, mulberry.	99

## Forestry and Forest Products.

Exhibit No.	Class'n No.
8a. Ferrenburg, Alex., New Madrid. Black walnut.	99
8b. Fountaine, Thos. I., New Madrid. Black cherry.	99
8c. Friend, W. F., Scott County. Section of cypress.	99
9. Harrison, Mr., Idalia. Beech, elm and black cherry.	99
9a. Hart, John, New Madrid. Section of persimmon.	99
9. Hogg, J. R., Poplar Bluff. Horn beam, persimmon, crabapple, hazel nut, and poison ivy.	99
9a. Lehigh, Jas. T., New Madrid. Section of cottonwood.	99
1. Louis & Bubb, Doniphan. Pine.	99
1a. Maberry, Wm., New Madrid. Section of white elm.	99
1b. Mangold, Jno., Harviell. Stave bolt timber.	99

Exhibit No.	Class'n No.
11c. Philips, A. R., New Madrid. Sections of walnut and sugar maple.	99
11d. Pinnell, Wm., New Madrid. Sections of black cherry, sassafras and mulberry.	99
12. Poplar Bluff Lumber Co., Poplar Bluff. Black sugar maple, white oak and tulip tree.	99
12a. Rice, F. J., Kennett. Section of black walnut.	99
13. Scranton, R. A., Idalia. Holly.	99
13a. Three States Lumber Co., Mississippi County. Section of burr oak.	99
13b. Wade, Emanuel, New Madrid. Section of red oak.	99
14. Ward Lumber Co., Whiting. Ash, red oak and pecan.	99
15. Wilson, Mr., Idalia. Cucumber tree.	99

## NEBRASKA.

LOCATION-SEC. B, 10-11:

## Forestry and Forest Products.

Exhibit No.	Class'n No.
Bates, G. E., Bassett. Rustic stands, red cedar roots and diamond willow.	101
Bessey, Chas. E., Lincoln. Map showing distribution of native forest trees.	113
Brabham, R. B., York County. Imbedded horse-shoe.	113
Clark, A. R., Indianola.	
a Hackberry log.	99
b Ailanthus, one year's growth.	116
Craig, Hiram, Crab-apple and black walnut.	99
Dempster, J. H., Geneva. Balm of Gilead and white pine.	99
Furnas, Robt. W., Brownville. Collection of Nebraska woods.	113
Hahn, John, Sarpy County. Burr oak.	99
Harmon, W. C., Gage County. White cottonwood.	99
Hawthorne, J. J., Fremont. European white willow, white elm and buffalo cherry.	99

Exhibit No.	Class'n No.
11. High, R. P., Lebanon. Natural graft of white elm, letter N.	113
12. Keiser, John, Stamford. White cottonwood and box elder.	99
13. Luse, D. O., Keya Paha County. Iron wood, cork elm, red cedar post, paper birch, yellow bull pine, white elm, linden, burr oak and diamond willow.	99
15. Morton, J. Sterling, Nebraska City. Apple-tree, 20 years' growth.	99
16. Nebraska Columbian Exhibit. Prickley ash, poison oak, wild grape, dog wood, diamond willow, paw-paw, junberry, larch, red cedar, yellow cottonwood, cork elm, box-elder, white elm, red haw, soft maple, ironwood, Lombardy poplar, sycamore, white willow, apple, black ash, linden, white poplar, black oak, Austrian pine, white walnut, buckeye, crab-apple, red birch, wild plum, red mulberry, white hickory, slippery elm, Kei	

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
coffee-tree, chinquapin oak, chestnut, hickory, oak, osage orange, wild cherry, shelbark hickory, black walnut, honey locust, hackberry, red-bud, burr oak, white ash, balsam fir, white spruce, minor plum, black locust, ailanthus, catalpa, green ash, wild black cherry, white cottonwood and red elm.	99	19. Stolley, William, Grand Island. Planted wild black cherry, green ash, white elm, catalpa speciosa, Kentucky coffee-tree and honey and black locust.	99
17. Nebraska Commission.		20. Turner, J. S., Crab Orchard. Wild grape.	99
a Discs of polished woods.	99	21. Ubben, Walrich. Catalpa speciosa, 17 years from seed.	116
b Natural graft, letter N and photographs.	116	22. University of Nebraska, Lincoln. Herbarium and insects injurious to forest trees.	113
18. Ritchie, W. E., Butler County. Scotch pine, 8 years' seedling.	116		

## NEW YORK.

## LOCATION—SEC. A, 6-11.

## Forestry and Forest Products.

Exhibit No.	Class'n No.
1. State of New York, Albany. Eighty-seven log specimens, showing bark and transverse, radial and tangential views of the grain, both finished and unfinished; a series of transverse sections of the woods of the State, one four-hundredth of an inch in thickness, mounted in the windows as transparencies; sections of the woods showing transverse, radial and tangential views of the grain, so thin as to allow light to pass through them; photographs of typical, isolated trees in leaf and after the leaves have fallen; and natural size photographs of the characteristic barks of the various trees.	118

## NORTH CAROLINA.

LOCATION—SEC. A, 6-7.

## Forestry and Forest Products.

Exhibit No.	Class No.	Exhibit No.	Class No.
1. Blyth, James, Cherokee. Samples of figured ash.	99	21. North Carolina State, Caldwell County. Spanish oak and rhododendron.	99
2. Brown, Mrs., Columbus County. White elm and willow oak.	99	22. North Carolina State, Columbus County. Lupeto gum and cottonwood.	99
3. Butler's Lumber Co., Robeson County. Holly.	99	23. North Carolina State, Haywood County. Dogwood and beech.	99
4. Cherokee Indians, Cherokee. Specimens of woods.	99	24. North Carolina State, Robeson County. Cypress.	99
5. Clark, J. H., Bladen County. Willow oak.	99	25. North Carolina State, Surry County. Persimmon.	99
6. Clark, S., Highlands. Samples of table mountain pine serviceberry.	99	26. North Carolina State, Wilkes County. Red oak.	99
7. Deal, Wm., Macon County. Chestnut and tulip or yellow poplar.	99	27. North Carolina State, Wancy County. Locust, curly ash, black gum, cucumber, mountain birch, white oak, chestnut oak, sugar tree, walnut, balsam, bastard balsam and magnolia.	99
8. Francis, Henry, Waynesville. Specimens of woods.	99	28. Paul, H., Highlands. Samples of white pine.	99
9. George, Stamper, Cherokee. Samples of red oak.	99	29. Penland, Harvey, Franklin. Samples of shingle oak.	99
10. Gwynn, Wm., Wilkes County. Post oak.	99	30. Phillips, Robert, Franklin. Samples of scarlet oak.	99
11. Ingraham, Col. J., Highlands. Samples of white Linden.	99	31. Richmond & Danville R. R. Curly poplar, black walnut, plain black walnut, curly pine, plain pine, yellow wood, oak, holly, wild cherry, mountain cherry, bass wood, yellow pine, yellow birch, sassafras, black gum, red oak, yellow poplar, buck- eye, sorrell tree, swamp maple, locust, mulberry and persimmon.	99
12. Lennon, Ed., Bladen County. Mul- berry.	99	32. State Museum, Raleigh. Specimens of woods.	99
13. Lenoir, Rufus, Caldwell County. Spanish oak.	99	33. Wallace Bros., Statesville. Medi- cinal barks.	108
4. McBee, Wm., Lincoln County. Spanish oak.	99	34. Wells, B. W., Highlands. Samples of sour woods.	99
5. McKeithan, R. W., Brunswick County. Juniper.	99	35. Wooten Shade, Brunswick County. Lupelo gum.	99
6. McNeal, D. B., Brunswick County. Sweet gum.	99	36. Wooten Shade, Columbus County. Swamp white oak and white (overcup) oak.	99
7. Murchison of N. Y., Yancey County. Hop, hornbeam, shagbark, hickory, white ash, wild cherry and red maple.	99	37. Wright, Barak, Highlands. Specimens of woods.	99
8. Nance, Francis, Bladen County. Savanna short leaf pine.	99		
9. North Carolina State, Bladen County. Turkey oak (scrub), white oak, black jack oak, (forked leaf), bull bay, red sweet gum, sycamore, juniper, water or swamp ash, red cedar and long leaf pine.	99		
10. North Carolina State, Brunswick County. Palmetto.	99		

## OHIO.

LOCATION—SEC. B, 4-7.

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Avery, A., Rome. Elm trees.	99	12. Hamilton, M., Brunsworth. Oak-tree.	99
2. Beery, E., Sugar Grove. Birch trees.	99	13. Hay, L., Amanda. Persimmon tree.	99
3. Board of World's Fair Managers, Columbus.		14. Hess, L., Columbus. Oak trees.	99
a Paw-paw, maple, elder, red bud, coffee nut, locust, plum, haw, black thorn, sour-wood, ash, elm, hackberry, sycamore, hickory, birch, beech, oak, chestnut, black willow, aspen and pine.	99	15. Jones, T. H. B., Otway. Native woods.	99
b Native medicinal roots, barks and plants.	108	16. Lincoln, P., Painesville. Native woods.	99
4. Boyne, J., Orwell. Ash trees.	99	17. Moody, C. A., Painesville. Native woods.	99
5. Coles, J. A., Columbus. Native woods.	99	18. Park, B. A., Painesville. White maple, native woods.	99
6. Dennis, A., Amanda. Native woods.	99	19. Parmley, J. L., Painesville. Native woods.	99
7. Difford, Giles, Orwell. Native woods.	99	20. Pegg, Mr., Columbus. Native woods.	99
8. Goodrich, S. F., Geneva. Cherry trees.	99	21. Rary, E., Sugar Grove. Section of sweet buckeye.	99
9. Grover, Marcus, Windsor. Native woods.	99	22. Slyh, Mr., Columbus. Native woods.	99
10. Hacker, Otto, Painesville. Cherry trees.	99	23. Stoers & Harrison Company, Painesville. Section of sumach.	99
11. Hall, David, Columbus. Native woods.	99	24. Van Dervort, J. S., New Antioch. Hickory trees.	99
		25. Wire, S., Painesville. Native woods.	99
		26. Wolf, S., Amanda. Native woods.	99

## OREGON.

LOCATION—SEC. B, 18.

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Anderson, Geo., Medford. Redwood burl plank.	99	7. Harris & Wright, Astoria.	
2. Aytch, W. H., Siskeyon. Alpine moss.	105	a Fungus and wood curiosities.	108
3. Blood, Mrs. A. C., Clatskanie. Cedar fish net floats.	100	b Wax curiosities.	106
4. Bridal Veil Lumbering Co., Bridal Veil. Noble and silver fir.	99	8. Johnson, A. J., Astoria.	
5. Bryant, E. S., Clatskanie. Yellow	99	a Collection of woods.	99
Will Co., Astoria. Fir, spruce,		b Cones, petrifications and mosses.	108
yellow cedar.	99	9. Klippel, Henry, Medford, Mahogany.	101
		10. Lambard, H. M., Portland. Turned samples of myrtle wood.	101
		11. Lewis & Young, Astoria. Collection of Oregon timber.	99

Forestry and Forest Products.

Exhibit No.	Class'n No.
12. Matlock, W. F., Pendleton. Black willow.	99
13. Miller, A. F., Sellwood. Collection of native woods.	99
14. Myers, D., Scio. Ash and maple.	99
15. Pfunder, Wm., Portland. Medicinal bark.	108
16. Ross, Jacob, Astoria. Petrifications of woods and clams.	103
17. Row Lumbering Co., Portland. Sugar pine.	99
18. Royal, W. N., Grant's Pass. Wood curiosities.	103
19. Schellberg, Otto, Salen. Fancy table.	100
20. State of Oregon. a Collection of commercial woods; spruce 10 feet diameter 25 feet from butt; yellow fir block 6 feet in diameter.	99
b Small house built of 35 varieties of native timber.	100
21. Sugar Pine Door and Lumber Co., Grant's Pass. Manzanilla, cedar and sugar and yellow pine.	99

Exhibit No.	Class'n No.
22. Tichenor Brothers, Clatskanie. Cedar shingles.	100
23. Tuttle, Jay, Astoria. Port Orford cedar.	99
24. Willamette Steam Mill Lumbering and Manufacturing Co., Portland. Yellow fir.	99
25. Willoby, Andy, Adams. Quaking asp.	99
26. Young's River Pulp Mill Co. Spruce pulp.	109

Exhibits Classed in Other Departments but Installed in This.

DEPARTMENT B.

GROUP 25.

Arboriculture.

27. State of Oregon. Twenty-five varieties of native evergreen trees in growing condition.	185
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PENNSYLVANIA.

LOCATION-SEC. B, 14.

Forestry and Forest Products.

Exhibit No.	Class'n No.
Brugger, Samuel, Fleming. Ninety-three varieties of woods native in Centre County.	99
Howson, Henry, Philadelphia. Collection of woods.	99
Lewis, Miss Grace Anna, Media. Fifty water color paintings of forest leaves, on winged frame.	113
Rothrock, J. T., Philadelphia. Sixty photographs of Pennsylvania forest trees, on winged frame.	118

Exhibit No.	Class'n No.
5. State of Pennsylvania. a Oak, basswood, cottonwood, cherry, pine, chestnut, walnut, sycamore, hickory, poplar, sassafras, chinquapin, ash, birch, cucumber, hemlock, locust, dogwood, plum, crab, aspen, etc.	99
b White pine, black cherry, American linden, sweet birch, eastern hemlock, green ash, chestnut, sugar maple and American beech.	99
East side of Colonnade	99
c Sugar maple. In center piece	99
d Model saw mill.	117

## OHIO.

LOCATION—SEC. B, 6-7.

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Avery, A., Rome. Elm trees.	99	12. Hamilton, M., Brunsworth. Oak tree.	99
2. Beery, E., Sugar Grove. Birch trees.	99	13. Hay, L., Amanda. Persimmon tree.	99
3. Board of World's Fair Managers, Columbus.		14. Hess, L., Columbus. Oak trees.	99
a Paw-paw, maple, elder, red bud, coffee nut, locust, plum, haw, black thorn, sour-wood, ash, elm, hackberry, sycamore, hickory, birch, beech, oak, chestnut, black willow, aspen and pine.	99	15. Jones, T. H. B., Otway. Native woods.	99
b Native medicinal roots, barks and plants.	108	16. Lincoln, P., Painesville. Native woods.	99
4. Boyne, J., Orwell. Ash trees.	99	17. Moody, C. A., Painesville. Native woods.	99
5. Coles, J. A., Columbus. Native woods.	99	18. Park, B. A., Painesville. White maple, native woods.	99
6. Dennis, A., Amanda. Native woods.	99	19. Parmley, J. L., Painesville. Native woods.	99
7. Difford, Giles, Orwell. Native woods.	99	20. Pegg, Mr., Columbus. Native woods.	99
8. Goodrich, S. F., Geneva. Cherry trees.	99	21. Rary, E., Sugar Grove. Section of sweet buckeye.	99
9. Grover, Marcus, Windsor. Native woods.	99	22. Slyh, Mr., Columbus. Native woods.	99
10. Hacker, Otto, Painesville. Cherry trees.	99	23. Stoers & Harrison Company, Painesville. Section of sumach.	99
11. Hall, David, Columbus. Native woods.	99	24. Van Dervort, J. S., New Antioch. Hickory trees.	99
		25. Wire, S., Painesville. Native woods.	99
		26. Wolf, S., Amanda. Native woods.	99

## OREGON.

LOCATION—SEC. B, 18.

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Anderson, Geo., Medford. Redwood burl plank.	99	7. Harris & Wright, Astoria.	
2. Aytch, W. H., Siskeyon. Alpine moss.	105	a Fungus and wood curiosities.	108
3. Blood, Mrs. A. C., Clatskanie. Cedar fish net floats.	100	b Wax curiosities.	105
4. Bridal Veil Lumbering Co., Bridal Veil. Noble and silver fir.	99	8. Johnson, A. J., Astoria.	
5. Bryant, E. S., Clatskanie. Yellow cedar.	99	a Collection of woods.	99
6. Clatsop Mill Co., Astoria. Fir, spruce, hemlock and yellow cedar.	99	b Cones, petrifications and mosses.	103
		9. Klippel, Henry, Medford. Mahogany.	101
		10. Lambard, H. M., Portland. Turned samples of myrtle wood.	101
		11. Lewis & Young, Astoria. Collection of Oregon timber.	99

Forestry and Forest Products.

Exhibit No.	Class'n No.
12. Matlock, W. F., Pendleton. Black willow.	89
13. Miller, A. F., Sellwood. Collection of native woods.	99
14. Myers, D., Scio. Ash and maple.	99
15. Pfunder, Wm., Portland. Medicinal bark.	108
16. Ross, Jacob, Astoria. Petrifications of woods and clams.	103
17. Row Lumbering Co., Portland. Sugar pine.	99
18. Royal, W. N., Grant's Pass. Wood curiosities.	103
19. Schellberg, Otto, Salen. Fancy table.	100
20. State of Oregon. a Collection of commercial woods; spruce 10 feet in diameter 25 feet from butt; yellow fir block 6 feet in diameter.	99
b Small house built of 35 varieties of native timber.	100
21. Sugar Pine Door and Lumber Co., Grant's Pass. Manzanilla, cedar and sugar and yellow pine.	99

Exhibit No.	Class'n No.
22. Tichenor Brothers, Clatskanie. Cedar shingles.	100
23. Tuttle, Jay, Astoria. Port Orford cedar.	99
24. Willamette Steam Mill Lumbering and Manufacturing Co., Portland. Yellow fir.	99
25. Willoby, Andy, Adams. Quaking asp.	99
26. Young's River Pulp Mill Co. Spruce pulp.	109

Exhibits Classed in Other Departments but Installed in This.

DEPARTMENT B.

GROUP 25.

Arboriculture.

27. State of Oregon. Twenty-five varieties of native evergreen trees in growing condition.	185
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PENNSYLVANIA.

LOCATION-SEC. B, 14.

Forestry and Forest Products.

Exhibit No.	Class'n No.
Brugger, Samuel, Fleming. Ninety-three varieties of woods native in Centre County.	99
Howson, Henry, Philadelphia. Collection of woods.	99
Lewis, Miss Grace Anna, Media. Fifty water color paintings of forest leaves, on winged frame.	113
Rothrock, J. T., Philadelphia. Sixty photographs of Pennsylvania forest trees, on winged frame.	113

Exhibit No.	Class'n No.
5. State of Pennsylvania. a Oak, basswood, cottonwood, cherry, pine, chestnut, walnut, sycamore, hickory, poplar, sassafras, chinquapin, ash, birch, cucumber, hemlock, locust, dogwood, plum, crab, aspen, etc.	99
b White pine, black cherry, American linden, sweet birch, eastern hemlock, green ash, chestnut, sugar maple and American beech.	
East side of Colonnade	99
c Sugar maple. In center piece	99
d Model saw mill.	117

# VIRGINIA.

## LOCATION—SEC. B, 13.

### Forestry and Forest Products.

Exhibit No.	Class'n No.
1. Atkins Bros., Marion.	
<i>a</i> Collection of woods.	99
<i>b</i> Locust hubs, handles, etc.	100
2. Bedford County. Collection of woods.	99
3. Drewry, Mrs. Margaret H., Westover.	
Section of cypress log.	99
4. Giles County. Collection of woods.	99
4a. Hurkamp, John G., Fredericksburg, Va. Sumach, sumach leaves and quercitron bark.	103

Exhibit No.	Class'n No.
5. Hanover County. Collection of woods.	99
6. Madison County. Collection of woods.	99
7. Pugh, L. M., Marion. Section curled maple.	99
8. Shenandoah County. Collection of woods.	99
9. Venable, John R., Marion. Laurel root.	103
10. Warner, Moore & Co., Richmond. Sumach and quercitron bark.	103

# WASHINGTON.

## LOCATION—SEC. B, 5.

### Forestry and Forest Products.

Exhibit No.	Class'n No.
1. State of Washington.	
<i>a</i> Yellow, white, balsam and red fir, western ash, red alder, black-berried elder, red and Alaska cedar, crabapple, red berried wild cherry, western flowering dogwood, upland willow, black birch, Garry's oak, white, Alaska, western yellow, tamarack and scrub pine, spruce, river willow, trembling aspen, western yew, red haw, cottonwood balm, Hooker's willow, large leaved and vine maple, western hemlock, lovely fir, western giant larch, madrona laurel, holly-leaved barberry, pencil cedar, wax myrtle, silver leaved willow, common sumach, western ozier, dogwood, hazel nut, chokecherry, heart leaved willow, black haw, and yellow fir log 24 feet long and 6 feet square.	99
<i>b</i> Yellow fir board, red cedar slab, cedar shingles and model house showing 20 specimens of woods.	100

## WEST VIRGINIA.

LOCATION—SEC. A, 1-5.

## Forestry and Forest Products.

Exhibit No.	Class'n No.
1. Board of World's Fair Managers, Charleston.	
a Commercial timbers.	99
b Poplar wheels, shingles, staves and lathes.	100
c Table of native woods.	101
d Tanbark.	108
1a. Board of World's Fair Managers, Parkersburg.	
a Log specimens of, tree of heaven, beech, black walnut, magnolia, white bass wood, Frazer's magnolia, prickly ash, holly, grape, red maple, box elder, sumach, locust, red-bird, honey locust, round wood, crab, mountain ash, service, hercules club, haw, sweet gum, rhododendron, buckeye, purple buckeye, striped maple, thorn, witch hazel, dogwood, sour gum, laurel, persimmon, fringe tree, spice wood, hocksberry, coffee tree, sycamore, white hickory, red hickory, water beech, black willow, aspen, cottonwood, pitch pine, blister pine, red cedar, silver bell, sassafras, red elm, white elm, mulberry, butternut, mountain alder, river birch, iron wood, laurel, chestnut; Spanish, swamp and burr oak.	99
b Table made of eighty-two panels of native woods.	101

Exhibit No.	Class'n No.
1b. Devereaux Lumber Co., Charleston.	
Poplar wagon sides.	100
2. Giffin, A. G., Buchannon. Panels.	101
3. <del>Hogkins, A. D., Morgantown.</del> Beneficial and injurious insects, with sections showing their work.	143
3a. Millsbaugh, C. F., Waverly, N. Y.	
Forest map of West Virginia.	116
4. Parkersburg Mill Co., Parkersburg.	
a Wainscoting, planks, etc.	101
b Case, brush and implement handles.	110
5. Parkersburg Veneer & Panel Co., Parkersburg. Panel veneers.	101
6. Price & Co., Clarksburg. Specimens of oak.	99
7. Rumbarger, J. L., Lumber Co., Dobbin.	
a Hardwood boards, planks and trunks.	99
b Spruce and hemlock laths and shingles.	100
7a. Standard Oil Co., Parkersburg. Oil barrels and staves.	110
8. West Virginia & Pittsburg R. R. Co., Weston.	
a Hardwood logs, planks and saplings.	99
b Photographs, etc.	118

## WISCONSIN.

LOCATION—SEC. B, 6-7.

## Forestry and Forest Products.

Exhibit No.	Class'n No.
1. Allen, J. P., South Superior. Balm of Gilead.	99
2. Barkham, Mr., Kingville. Sand bar willow.	99
2a. Batchellor, G. W., Dedham. White and canoe birch.	99
3. Batcheller, N. A., Black River Falls. White and black spruce, white cedar and curly oak.	99
4. Callaghan, J. J., Burlington. Black walnut.	99
5. Calligan, E., Langlade. Silver birch, balsam fir and hemlock spruce.	99
5a. Goodwin, J. S., Emerald, Wis. Cyclone building lumber.	A-18 100
6. Capen, R. W., Black River Falls. Black oak.	99
7. Chapman, H. S., Dedham. Red spruce.	99
8. Coons, H. B., Potosi. American crab, shellbark hickory, box elder, mulberry.	99
9. Daman, C., New Holstein. Speckled alder, June berry, scarlet thorn and prickly ash.	99
10. Davis, Mrs. H. C., Irving. White oak and hackberry.	99
11. Duncan, Brewer & Co., Dedham. Aspen.	99
12. Goodyear Lumber Co., Tomah. Yellow Norway pine.	99
13. Greve, H. C., New Holstein. Rough beech and red basswood.	99
14. Hayssen, H. H., New Holstein. Basswood and hard maple and elm freaks.	99
15. Hitt, D., New Holstein. Hyslop crab.	99
16. Humke, J., Greenwood. Soft maple.	99
17. Hunt, W. H., Potosi. Black locust.	99
18. Kimball & Clark, Kimball. Black and white ash, hemlock and black, curly and yellow birch.	99
19. Kinan, J., Thienville. Pignut and shell bark hickory.	99

Exhibit No.	Class'n No.
20. Lea Ingraham Lumber Co., Iron River. Red and gray Norway pine.	99
21. Lewis, G. H., Potosi. River cottonwood.	99
24. Meek, B. J., Black River Falls. Hickory pine.	99
25. Mills, H. B., Black River Falls. White oak.	99
26. Montreal River Lumber Co., Gila. White pine.	99
27. Ostleib, L., Chilton. Burr, white and black oak and bastard elm.	99
28. Paulson, E., New Holstein. Beech.	99
29. Paulson, J., Charleston. Black cherry.	99
30. Plega, H., Butternut. Tamarack and yellow birch.	99
31. Regan, D., Chilton. Rock maple.	99
31a. Richardson Bros., Sheboygan Falls. White, red, swamp and burr oak; hard, soft and bird's eye maple; black cherry, hickory, black and white ash, basswood and beech.	99
32. Ryan, D., Chilton. Bitternat hickory.	99
33. Smart, Geo., Butternut. Water and rock elm.	99
34. Smart, H. S., Butternut. Ironwood, and red and white basswood.	99
35. Smith, John, Melrose. Red cedar.	99
36. Spaulding, D. J., Black River Falls. Cockspur thorn.	99
37. Timmer, H., New Holstein. Silver, poplar and bitternut hickory.	99
38. Upham, W. H., Marshfield. White ash, red elm and butternut.	99
39. Webster Manufacturing Co., South Superior. Yellow, curly and red birch, bird's eye maple, red and white oak, water and rock elm, poplar, basswood, red cherry and white ash.	99

## ARGENTINE REPUBLIC.

LOCATION—SEC. D, 8-9.

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
Aguirre & Ramos, Tulumba, Cordoba.		c Medicinal and industrial plants from	
a Algarrobo blanco.	99	Gran Chaco, Misiones and Corrientes.	108
b Tanning barks.	103	d Forest fruits.	113
Alem, Celestine, Santiago del Estero.		e Charcoal of algarrobo.	117
Atamisqui.	99	17. Comision Central de Entre Rios. Cabinet woods.	99
Andrade, Reginaldo, Tucuman.		18. Comision de Concepcion del Uruguay, Entre Rios.	
Bascari, Bautista, & Co., Graneros, Tucuman. Woods.	99	a Dyeing plants of Azafran.	103
Benelische, Federico, Buenos Ayres.		b Medicinal plants.	108
Medicinal plants.	108	19. Dagnino, F. M., Goya, Corrientes.	
Berger, Julio, Buenos Ayres. Nogal e Tucuman.	99	Cocos de yatay.	113
Bertoni, Moises, Yabeberi, Misiones.		20. De la Terre, Javier, Villa Quinteros, Tucuman. Cabinet woods.	99
Medicinal bark.	108	21. Escudero, Isidro, Mendoza. Calden.	99
Bettfrennd, Carl, Buenos Ayres. Plants from Buenos Ayres.	113	22. Faure, Emilio, Concepcion del Uruguay, Entre Rios. Quebracho blanco.	99
Blosset, Roberto, Bros., Y-guazu, Misiones, palo rosa and rabo de macaco.	99	23. Florencia, Colony, Chaco de Santa Fe. Cabinet woods.	99
Broguet, Ulises, Parana, Entre Rios. Lobe of cabinet woods.	99	24. Flores, Luis H., San Juan. Flowers of Azafran.	103
Bruland, Enrique, Santiago del Estero.		25. Gomez, L., Salta. Dyeing plants of Socondo.	103
a Jume, olivo, algarrobo blanco and tala.	99	26. Gonzalez Molina, Itapita, Corrientes. Guayabo (guava).	99
b Guayaacan pods for tanning and dyeing.	103	27. Government of Catamarca.	
c Medicinal plants.	108	a Woods.	99
d Fruits of mistol.	113	b Tanning and dyeing plants and barks.	103
Campias, Carlos, Puerto Bermejo, Chaco Austral. Cabinet woods.	99	28. Government of Chaco Austral. Woods.	99
Casal, J., Santiago del Estero. Itin.	99	29. Government of Chubut. Woods.	99
Cerimedo, Natalio A., Buenos Ayres. Cabinet woods.	99	29a. Government of Cordoba.	
Christiernson, Carlos, Rio de Oro, Chaco Austral. Cabinet woods.	99	a Tanning and dyeing plants and barks.	103
Chueco Bros., Villa Emilia, Formosa.		b Medicinal plants.	108
a Cabinet woods.	99	30. Government of Corrientes.	
b Barks and saw-dusts for dyeing.	103	a Cabinet woods.	101
c Espina de corona.	113	b Cangorosa (medicinal).	108
Collecting Commission of Products for the Chicago Exposition.		31. Government of Formosa. Cabinet woods.	101
a Cabinet woods from Chaco and Misiones.	99	32. Government of Jujuy.	
b Tanning and dyeing barks and fruits from Gran Chaco.	103	a Cabinet woods.	99
		b Tanning and dyeing plants and barks.	103
		c Medicinal plants.	108
		d Forest beans.	113

**Forest and Forest Products.**

	Contrib	Class'n No.
53. Leoni, D., Buenos Ayres. Child's rat-trap carriage.		112
54. Lillo, Miguel, Tucuman. Plants.		113
55. Livi, Martin J., Santa Fe. Laurel bark.		91
56. Machado, Mariano, Jujuy. Cebil bark.		107
57. MacLean, Jorge, Chaco Austral. Palo santo (L. chamvita).		99
58. Maidotti, Angel, Pueblo Brago, Entre Rios. Quina.		108
59. Mantzel, Otto, Candelaria, Misiones. Carapa seeds.		113
60. Marquiegui, M., Salta. Tanning and fire woods of algarrobilla.		103
61. Martinez, Juan, Santo Tome, Corrientes. Cabinet woods.		99
62. Matoso, Ednardo, Corrientes. Medicinal plants.		108
63. Mayol, Mammel, Itati, Corrientes. Woods.		99
64. Memers, Federico, Esperanza, Santa Fe.		
a Quebracho colorado.		99
b Sawdust of quebracho colorado.		103
65. Murviele, Hermanos & Co., San Luis.		99
66. Munna Gomez, Itapita, Corrientes.		
a Curupay bark.		103
b Medicinal plants.		108
67. Muniez, Basilio, Cruz del Eje, Corrientes. A. g. b. bark.		99
68. Nelson, Enrique M., Buenos Ayres. Cedro de Tucuman.		91
69. Neuenburg, Carlos, Posadas, Misiones. Curupay bark for tanning.		103
70. Niederlein, Gustavo, Buenos Ayres. Plants from the San Negro Expedition, from Misiones, Corrientes and Gran Chaco.		113
71. Niederlein & de Hahn. Fruits of Mbocaya.		113
72. Niederlein & Vallenweider, Buenos Ayres.		
a Tanning and dyeing barks, plants and fruits.		103
b Medicinal and industrial plants.		108
c Plants from Gran Chaco and Corrientes.		113
d Forest fruits.		113
73. Nogues Hermanos, Reconquista, Santa Fe. Sawdust of quebracho colorado.		103
74. Oberlin, Edardo, & Co., Diamante, Entre Rios.		
a Sawdust of quebracho colorado.		103
b Tramontana.		108
75. Ocampo, Samanes & Co., Colony Ocampo, Santa Fe. Woods.		99

Forestry and Forest Products.

Exhibit No.	Class No.
Oicki, Manuel, Monteros, Tucuman.	
Charcoals of various woods.	117
O'Connor & Montes, Buenos Ayres.	
Plants from Tierra del Fuego.	113
Olmos Miguel, Cordoba. Medicinal plants.	108
Ortiz de Zarate, Altamirano, Buenos Ayres. Cinnamon seeds.	113
Palacios, Santiago, Santiago del Estero. Woods.	99
Patron Hermanos, Salta. Dyeing and tanning barks of cebil.	103
Pipino, Bersabe, Jujuy.	
a Fruits of Pacara and barks of quillay.	103
b Medicinal plants.	108
Pomar, Pablo, Puerto Santa Teresa, Misiones. Cabinet woods.	99
Radowich, Adolfo & Co., Dean Funes, Cordoba.	
a Plants of barba de piedra.	108
b Resin of algarrobo.	106
c Medicinal plants.	108
Roca, Ataliva, Pampa Central. Moll.	99
Rossi, Juan, Liguria, Chaco Austral. Woods.	99
Rouges, Carlos, Tucuman. Cedro.	99
Rouges, Leon, & Co., Monteros, Tucuman. Cabinet woods.	99
Sacon, Lorenzo, Buenos Ayres. Dorabilia.	108
San Germes, Pedro, Santiago del Estero.	
a Woods.	99
b Tanning and dyeing barks and sawdust.	103
Schickendantz, Federico, Tucuman.	
a Cabinet woods.	99
b Tanning and dyeing barks and roots.	103
c Medicinal and industrial plants.	108
Schumann, Teo, Buenos Ayres. Industrial and medicinal plants.	108
Senillosa, Estancia, San Felipe, Buenos Ayres. Acacia.	99
Servetti, Antonio, San Fernando, Buenos Ayres. Tembetary.	99
Sisini, Carlos S., & Co., Monteros, Tucuman. Cabinet woods.	101
Sohncke, Alfredo & Nussbaum, Puente Oro, Chaco Austral.	
a Cabinet woods.	101
b Barks and fruits for tanning and dyeing.	103
c Medicinal plants, barks and roots.	103
d Plants from Chaco Austral.	118

Exhibit No.	Class No.
98. Soza, C. L., Tucuman. Small beer cask.	110
99. Stagnetto, Jose, Monteros, Tucuman.	
a Cabinet woods.	101
b Sawdust of different woods.	108
100. Stalla, Corrientes. Pine and rose wood.	99
100a. Tamazo, Juan C., Salta. Barks of mistol.	108
101. Tezanos, Pinto, Jujuy. Tanning and dyeing barks.	103
102. Tomassone, Hermanos, Santa Fe. Cabinet woods.	101
103. Tornquist, E., & Co., Famaila. Keg.	110
104. Triggs, Diego, & Co., Rosario, Santa Fe. Pino.	99
105. Vargas, Tomas, Jujuy. Nuts of Juglans australis.	113
106. Vecino, Antonio, Formosa. Dyeing wood and barks.	103
107. Wagner, Federico, Esperanza, Santa Fe. Medicinal and industrial plants.	108
108. Wyl, Juan von, Helvecia, Santa Fe.	
a Sangre drago (dragon's blood) bark.	103
b Industrial and medicinal plants.	108
c Pods of algarrobo negro.	113
109. Zavalla, S., Valle Fertil, San Juan. Raiz tintorea root for dyeing.	103
110. Zorraquin, Fredrico, Entre Rios. Medicinal plants.	108

Exhibits Classified in Other Departments but Installed in This.

DEPARTMENT C.

GROUP 34.

Poultry and Birds.

111. Arana, Dr. Stuffed birds from Entre Rios, Corrientes, Chaco, Formosa and Misiones, and collection of ophidia, sauria and hydrosauria.	230
112. Ballerine, Augusta. Stuffed birds from northeastern provinces.	230
113. Belsi, Arnolda. Stuffed birds from northeastern provinces.	230
114. Campbell, Johnston. Stuffed birds from northeastern provinces.	230
115. Hahn, Baron von. Stuffed birds from northeastern provinces.	230
116. Moody, Enrique. Stuffed birds from northeastern provinces.	230
117. Niederstein, Gustavo. Stuffed birds from northeastern provinces.	230

## Forestry and Forest Products.

Exhibit No.	Class'n No.
118. Rocha, Augusto da. Stuffed birds from northeastern provinces.	230
119. Saron, Lorenzo. Stuffed birds from northeastern provinces.	230
120. Schumann, Ceodoro. Stuffed birds from northwestern provinces.	230
121. Serie, Pedro. Stuffed birds from northeastern provinces.	230
122. Sola, Trinco. Stuffed birds.	230
123. Valladares, Legundo. Stuffed birds from northeastern provinces.	230

Exhibit No.	Class'n No.
124. Vollenweider, Juan. Stuffed birds from northeastern provinces.	230

## DEPARTMENT D.

## GROUP 37.

## Fish and Other Forms of Aquatic Life.

125. Sola, Trinco. Stuffed alligator and turtle.	230
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## BRAZIL.

## LOCATION—SEC. D, 6-7.

## Forestry and Forest Products.

Exhibit No.	Class'n No.
1. Navy Yard of the State of Para, Brazil. Construction woods as follows:	
Murixi, Louro-caure, Angelim vermelho, Cauaruba vermelho, Sapopira preta, Louro conanaru, Uchirana, Sapopira amarella, Louro amarello, Umiry, Miranaba, Louro rosa, Cariperana, Mateinaba vermelho, Sapucaia, Murapiranga vermelho, Ammapa, Tamanqueira amarella, Jarana, Aracanga vermelho, Ucuuba, Louro vermelho, Morototo, Louro pimenta, Marupa vermelho, Tatajuba amarella, Saboeira, Araganga amarella, Angelim pe dra, Cupiuba branca, Cupiuba vermelho, Pao d'arco preto, Umiry vermelho, Parica, Cupiuba amarella, Maparajuba, Piquiarana, Sorveira, Mangabarana, Cutmaru branco, Tamanqueira branca, Piquita branco, Tuga facao, Mararanduba, Paricaraba, Amapa uermelho, Andirobta branca, Tata piririca, Caju vermelho, Parinarin, ananera, Pega macaco, Lacre vermelho, Co-aruba branca, Jutahy, Tapereba, Auajarana, Tareira, Abiorana, Papaterre vermelha, Cutitiriba, Macucu, Acary-cuara, Tanary, Tuga vermelha, Amapa branco, Envira branca, Seringueira, Copuassu-rana, Gaaxinguba, Tata piririca branco, Copuassei, Pitahica, Marupabuba, Tauraboca, Euvira preta, Aracanga branca, Cuirera, Puhuy, Acapurana, Muirapuama, Lacre	

Exhibit No.	Class'n No.
vermelho, Biriba, Urucurana, Tuaja, Cacauhy, Aracanga vermelha, Sucuba, Tatajuba vermelho, Timbroana, Ucuuba branca, Tamaquare, Caju branco, Piao, Puhuy da matta, Janiparana, Burajuba, Pracaxi vermelho, Jacareuba, Goiaba, Cupuauhy, Andiroba vermelha, Gojajarana, Umiry vermelho, Tamanqueira de espinho, Lacre branco, Abio, Pipino, Jatauba branca, Pracaxi branco, Caroba, Mangueira, Buisessu, Tuga cipo, Maraximbe, Seringueira preta, Mamourana, Louro passarinho, Cumate, Cumarei, Mututoy, Pajura, Pracauba, Guaruba vermelha, Cupiuba branca, Piquia branco, Louro da varrea, Tucuma, Tanimbocarana, Baranheira, Mauba branca, Patana, Assaby, Bacaba, Mandiocaba, Piriquitacastanha, Limoeiro, Louro-cheiroso, Pao bento, Castanheira, Bren branco, Aunauy, Piquia preto, Acapu, Envira, Larangeira, Tatajuba, Papaterre branca, Matamata branca, Mauba branca, Spocaia, Mirity, Caroba branca, Mamaraba, Goncalo, Tamaquari vermelho, Cupuassu-rana, Papaterre branco, Jary, Bren, Mangue canoe, Jutahy, Pao roxo, Muruxi branco, Saboeira da ilha, Assacu branco, Cedro vermelho, Mangue, Pas d' arco, Pau candela, Tatajuba branco, Matamata preto, and Euvira preta.	230

## BRITISH INDIA.

## LOCATION—SEC. D, 13.

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
British Commission. Map illustrating system of protecting forests from fire in the northwestern provinces.	116	9. Inspector General of Forests, Simla. Carved mantelpiece of shisham, redwood, walnut, boxwood and very old (from 500 to 2,000 years) teak and blackwood timber.	101
Conservator of Forests, Central Circle, Naini Tal.		10. Ogilvy, Giffanders & Co., London, England. Padauk timber for ornamental construction and for furniture, from the province of Andamans.	101
a Barks, etc., used in dyeing.	103	11. Provincial Forest Department, Assam.	
b Gums and resins.	106	a Collection of timbers.	99
c Medicinal barks, gums, fruits, seeds and roots.	108	b Oils and resins.	106
Conservator of Forests, Eastern Circle, Mandalay, Upper Burmah. Carved doorway of teak wood.	101	12. Provincial Forest Department, Bombay.	
Conservator of Forests, Northern Circle, Jubbulpore.		a Collection of timbers.	99
a Collection of timbers.	99	b Indian clubs; carved teak easels, blackwood picture frames, teapots and flower stands, sandalwood glove and handkerchief boxes, ebony elephants and picture frames, etc.	101
b Resin.	106	c Oils and resins.	106
Conservator of Forests, Oudh Circle, Lucknow.		d Cane picnic baskets.	112
a Collection of timbers.	99	e Map of Singarh forests.	116
b Ornamental woods.	101	13. Provincial Forest Department, Madras.	
c Forest products used in dyeing.	103	a Collection of timbers.	99
Conservator of Forests, Pegu Circle, Mergoon, Burmah. Bamboo.	112	b Bark, fruit, roots, seeds and nuts for dyeing and tanning.	103
Conservator of Forests, School Circle, Dehra Dun.		c Fibres.	105
a Bhabar grass.	105	d Gums, resins and nuts and seeds yielding oil.	106
b Resins, oils and pitch.	106	14. Reynolds, W. H., Dehra Dun. Forest maps, traverse indicator, etc.	116
c Turpentine.	117		
Conservator of Forests, Southern Circle, Nagpur. Satinwood.	101		

## CANADA.

LOCATION—SEC. C, 1-5.

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Arthabaska, County of, P. Q. a Samples of native woods.	99	6. North-West Territories, Regina. Forest products.	99
b Pulp wood.	109	7. Nova Scotia Wood Pulp Paper Co., Mill Village. Wood pulp.	109
1a. Bonaventure, County of West, P. Q. a Samples of native woods.	99	7a. Ottawa, Pontiac and Argenteuil, Counties of, P. Q. Samples of native woods.	99
b Shingles.	100	8. Provincial Government of British Columbia, Victoria. Forest products.	99
1b. Canadian Government, Department of Agriculture, Ottawa. a Native woods.	99	9. Provincial Government of Ontario, Toronto. Forest products.	99
b Photographs of trees.	113	10. Provincial Government of Prince Edward Island, Charlottetown, P. E. I. Specimens of wood.	99
2. Finch Wood Preservative Co., Toronto. Paving blocks.	99	11. Provincial Government of Quebec. Forest products.	99
3. Gaetz, Leonard, Red Deer, N. W. T. a Sections of trees.	99	11a. Quebec, City of, P. Q. Samples of polished woods.	100
b Flooring.	100	12. Shearer, Jas., Montreal. Hardwood doors.	100
4. Gordon, Alexander, Pembroke, Ont. Birch knot.	113	13. St. Francis Agency, P. Q. a Samples of native woods.	99
4a. Hull, City of, P. Q. a Samples of native woods.	99	b Hemlock bark.	103
b Pulp.	109		
c Indurated ware and paper.	110		
4b. Lake St. John Agency, P. Q. Samples of native woods.	99		
5. McLaughlan, H. P., Lower Perth, N. B. Peculiar forest growth.	113		

## FRANCE.

LOCATION—SEC. C, 6-7.

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Briot, Inspector of Forests, Chambéry (Savoy). Reports on forest planting.	116	7. Jeannel, Julien, Villefranche-sur-Mer Alpes-Maritimes. Documents relative to the Society of the Tree's Friends.	116
2. Coez, Langlois & Co, Havre. Extracts of dye-wood; tanning.	103	8. Les Fils de A. Guillaumet et G. Maes, Suresnes, Seine. Dyes and dressings.	103
3. Direction of Forests, Paris. Works of forestry.	116	9. Masurel Bros., Tourcoing, Nord. Dye works.	103
4. Dupose, Ernest, Havre. Dyeing and tanning extracts, dye-wood and barks.	103	10. Mougenot, Louis, Paris. Wood for cabinet-making.	101
5. Dumont, E., Paris. Worked timber.	100	11. Nazarian Bros., Paris. a Knob.	113
6. Huant-Hourdeaux, Vouziers (Ardennes). Coarse basket work.	111	b Picture.	116

## GERMANY.

LOCATION—SEC. D, 10-11.

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
o. Bornheim, M. B., Cassel. Beer barrels.	110	3. Freund, A. H., & Co., Coburg. Basket ware.	111
Burburg Bros., Mettmann. Samples of tannin.	108	3a. German Government. Books, pamphlets, etc., on forestry.	116
l. Forest Academy, Eberswalde.		3b. Koch, W., Berlin. Casks, barrels and tubs.	110
a Photographs showing tree planting in Germany and pieces of wood showing the manner of trimming forest trees.	115	4. Merkel, Wm., Raschau (Saxony). Cork and cork products.	104
b Instrument for measuring the height of trees and relief maps.	118	5. Moritz, A., Berlin. Willow splitting machine.	111
c Logging railroad with movable track.	117		

## JAPAN.

LOCATION—SEC. D, 13.

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
Akita-ken, Akita. Specimens of od.	99	i Illustration of forest growth.	113
Awaji Bamboo Works, Hyogo. Bamboo baskets.	112	j Maps, plans and illustrations of forest management; illustrations of woods and flowers.	116
Chohel Tanaka, Kagawa. Baskets.	111	k Illustration of lumber transportation.	117
Daisuke Nagata, Kobe. Bamboo re.	112	6. Eisaburo Yamakuchi, Aichi. Specimens of wood.	99
Daisuke Nagata, Hyogo. Furniture.	572	7. Eisaburo Yamakuchi, Aichi. Bamboo and specimens of wood.	112
Dept. of Agriculture and Commerce, Japan.		8. Funaho Village Agricultural Union, Chiba. Bamboo.	112
a Timber and planks.	99	9. Fusajiro Yoshita, Kagawa. Baskets.	111
b Worked timber and wood for furniture.	100	10. Gibe Matsuo, Hyogo. Ajiro works of bamboo.	112
c Ornamental and fossil woods.	101	11. Heimon Nagakura, Shizuoka. Sago palm basket.	111
d Barks and galls for tanning and dyeing.	103	12. Ichibei Kawagishi, Kumamoto. Bamboo work.	112
e Vegetable wax and resins.	106	13. Kahei Yamanaka, Osaka. Traveling cases.	112
f Miscellaneous forest products.	108		
g Wood pulp for paper.	109		
h Baskets.	111		
i Bamboo canes and bamboos.	112		

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
14. Kambei Takagi, Tōkyō. Specimens of wood.	99	34. Simpei Mori, Kumamoto. Bamboo board.	112
15. Kensō Hasegawa, Fukushima. Lacquers and finished specimens.	106	35. Sosuke Ueki, Chiba. Bamboo umbrella handles.	112
16. Kuhei Yoda, Hyōgo. Bamboo ware.	112	36. Tadayuki Nakamura, Kumamoto. Bamboo.	112
17. Kumazō Akiyama, Kagawa. Baskets.	111	37. Tokutarō Okuma, Saitama. Bamboo.	112
18. Kyubei Tsutsura, Ōsaka. Traveling cases.	112	39. Tomeji Kamiya, Fukuoka. Baskets.	111
19. Kyūgorō Yomashita, Kagawa. Baskets.	111	40. Tomekichi Honda Ōsaka. Wooden water pipe.	119
20. Motarō Awamura, Ōsaka. Umbrella handles.	110	41. Tomotarō Yokoi, Kagawa. Baskets.	111
21. Naotarō Nakajima, Kumamoto. Bamboo and roots.	112	42. Toshichi Nishimura, Shiga. Rattan work.	112
22. Rishichi Ōkubo, Kagawa. Baskets.	111	43. Traders' Union, Hyōgo. Traveling cases, baskets.	111
23. Rishin Mabuchi, Kagawa. Baskets.	111	44. Tsunekichi Nishi, Kumamoto. Bamboo root.	112
24. Satarō Yuno, Ōsaka. Tooth picks.	110	45. Tsunesaburō Ogawa, Hyōgo. Bamboo ware.	112
25. Shigechiki Kawaguchi, Miyasaki. Baskets.	112	46. Umajirō Kumihashi, Kagawa. Baskets.	111
26. Shikao Yoshita, Kōbe. Bamboo ware.	112	47. Usaburō Koyama, Aomori. Bamboo ware.	111
27. Shiruoka Paper Mill, Shizuoka. Writing paper and envelopes.	104	48. Yaroku Satō, Aomori. Lacquer.	106
28. Shirō Katayama, Kagawa. Baskets.	111	49. Yasaburō Nishiwaka, Kagawa. Baskets.	111
29. Shōbei Itō, Kyoto. Bamboo.	112	50. Yasuhachi Noguchi, Kagawa. Bamboo cups.	111
30. Shōgorō Kimura, Shiga. Rattan work.	112		
31. Shōgorō Ōhashi, Kōbe. Baskets.	111		
32. Shōtarō Tamari, Kagoshima. Bamboo.	112		
33. Shōzaburō Ōsada, Miyasaki. Bamboo.	112		

## MEXICO.

## LOCATION—SEC. D, 4-5.

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Abitia, Eligio, Badiraguato. Native woods.	99	6. Asuara, Ruperto H., Zacoatecas. Native woods.	99
2. Alarcón, Damian, Chicontepec. Copal, chewing gum and mulberry latex.	106	9. Barreda, Jose Maria, Saltillo. Medicinal plants.	106
3. Alcalde, Galeana. Medicinal plants.	108	11. Barron, E., Campeche. Black becker wood.	101
4. Alcalde Jiménez. Medicinal plants.	108	12. Barron, F., Tamazunchale. Native woods.	99
5. Aldrete, Urbano, Ameca. Tanning bark.	103	13. Baur, Carlos, Atlixco. <del>Cactus</del> root.	106

## Forestry and Forest Products.

Exhibit No.	Class'n No.
14. Bret, Eugenio, Patzcuaro. Zacaton root.	105
16. Campeche, State of.	
<i>a</i> Native woods.	99
<i>b</i> Jacob and chuscum tanning barks from Campeche.	103
7. Carbajal, F., Campeche. Fabin and granadillo woods.	101
8. Castro, Ramon, San Dimas. Native woods.	99
9. Celis, Nicandro R., Atotonilco. Native woods.	99
10. Cervera, Gregorio, Campeche. Fobillo wood.	101
11. Chiapas, State of.	
<i>a</i> Native woods from Tuxtla.	99
<i>b</i> Turpentine, vegetable wax, henequen extract and liquid amber from Tuxtla.	106
<i>c</i> Sarsaparrilla and medicinal plants from Tuxtla.	108
<i>d</i> Pliable reeds from Tuxtla.	111
<i>e</i> Herbarium from Tuxtla.	113
12. City Council, Camargo. Collection of woods.	99
13. City Council, Gomez Farias. Collection of woods.	99
14. Colima, State of.	
<i>a</i> Collection of woods.	99
<i>b</i> Barks from Colima.	103
<i>c</i> Gums from Colima.	106
<i>d</i> Medicinal weeds.	108
15. Donde-Cano, Jose M., Campeche. Native woods.	99
16. Enriquay, Pablo, Ciudad de Valles. Native woods.	99
17. Enriquez, Abraham, Aquismon. Native woods.	99
18. Espinosa, Francisco D., Chalco. Zacaton root.	105
19. Federal District, Government of Mexico. Collection of woods.	99
20. Ferrer, Jose, Campeche. Native woods.	99
21. Ferrer-Molina, Jose, Campeche. Chewing gum.	106
22. Finck, Hugo, Cordoba. Herbarium.	113
23. Flores, Mariano R., Hacienda San Juan Grande.	
<i>a</i> Native woods.	99
<i>b</i> Timber bark and tepehuaje tanning bark.	103
<i>c</i> Wild huizache flowers.	108
24. Galan, Roman, Muzquiz. Native woods.	99
25. Galvan, Santiago, Coatepec. Collection of woods.	99

Exhibit No.	Class'n No.
37. Garcia Cruz & Co., Toluca. Zacaton root.	105
38. Garcia, Inocente, Agua Fria.	
<i>a</i> Copal.	106
<i>b</i> Medicinal weeds.	108
39. Garcia, Jose D., Merida. Native woods.	99
40. Garcia-Cruz, Rojas, Santa Barbara. Collection of woods.	99
41. Godoy, Perfecto, Campeche. Native woods.	99
42. Gomez, Modesto, Tancanhuitz. Native woods.	99
43. Gonzalez, Felipe, El Oro. Native woods.	99
44. Gonzalez, Luciano, San Vincente Tañcuanyalab. Native woods.	99
45. Gonzalez, Zenon, Ameca. Huizache gum.	106
46. Gordillo, Hartazul N., Malinalco. Native woods.	99
47. Gual, J. G., Campeche. Chactechucun.	101
48. Guerrero, Benigno, Maravatio. Zacaton root.	105
49. Guerrero, State of.	
<i>a</i> Collection of woods from Chilpancingo.	99
<i>b</i> Cascalote, a tanning plant from Chilpancingo.	103
<i>c</i> Palm and pochote cuaxtles from Chilpancingo.	105
<i>d</i> Gums, rasins, wax and caoutchouc.	106
<i>e</i> Medicinal plants, San Ignacio bean, jabonete, coacoyul, saltrunnet.	108
<i>f</i> Ash tree, leaves and seeds.	113
50. Gutierrez, Donato, Villa Lerdo. India rubber plant.	106
51. Guzman, Trinidad, Arandas.	
<i>a</i> Redwood tanning bark.	103
<i>b</i> Valerian, ciruelilla root and coatecomate.	108
52. Hacienda de la Encarnacion, Tlalnepantla. Pitch and resinous products.	106
53. Hacienda de San Nicolas, San Nicolas. Collection of woods.	99
54. Harivel Arturo, Colima. Chewing gum.	106
55. Jalisco, State of.	
<i>a</i> Native woods from Purificacion, Ameca, Jajalpa, Atemajac, Si-huatla.	99
<i>b</i> Tanning bark from Jesus Maria, Tercer canton.	103
<i>c</i> Huizache from Arandas, Ocotlan.	106

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
<i>d</i> Capomo from Autlan, great mullein (Gordolobo), sourish, pingüicas, coas-tecomate, Castillian mustard, acorn, valerian root, chicalote seed from Jesus Maria, cualatxa from Jolostitlan and wild huizache flowers from Zacualco.	108	<i>e</i> Cactus, mezquite, copal, ahuehuate, and ocote gums and resins from Cuernavaca.	106
57. Joiros, Miguel, Campeche. Native woods.	99	<i>f</i> Medicinal plants.	108
58. Lara, Fernando M. de, Pozo del Carmen. Collection of woods.	99	<i>g</i> Collection of leaves and branches in shape of a design, from Cuernavaca.	113
59. Lara, Jose, Zacualtipan. Native woods.	99	73. Municipality of de Rio Lagarto. Native woods.	99
60. Ledezma, A.. Tamazunchale. Native woods.	99	74. Munoz Bros., Chihuahua. Lechuguilla weed.	108
61. Llovera, Miguel, & Co., Campeche. Campeche and chactecoc woods.	103	75. Noriega, Pedro, Monterrey. Medicinal plants.	108
62. Lopez, Melesio, Guasave. Mezcal resin.	106	76. Oaxaca, State of.	
63. Marin, Tranquilino, Tekax. Archiote.	103	<i>a</i> Native woods.	99
64. May, Jose Nieves, Valladolid. Pliable reed resin.	106	<i>b</i> Collection of cabinet woods.	101
65. May, Juan de Mata, Valladolid. Pliable reed resin.	106	<i>c</i> Collection of tanning plants.	103
66. Medal, Prudenciana B. de, La Huacana.		<i>d</i> Cactus, giolillo, cedar, liquidambar and turpentine gums, ojite. Opte de sabino and caoutchouc.	106
<i>a</i> Collection of woods.	99	<i>e</i> Six jicaras.	107
<i>b</i> Collection of dyeing woods.	103	<i>f</i> Medicinal plants and dragon-blood plant.	108
67. Medina, Eugenio, Durango. Baskets.	111	<i>g</i> Broom, two samples.	110
68. Mena, Jacinto, Tizimin. Copal resin.	106	<i>h</i> Pliable reeds.	111
69. Mexico, Federal District.		<i>i</i> Pochote seed.	113
<i>a</i> Collection of woods.	99	77. Ojeda, Santos, Campeche. Native woods.	99
<i>b</i> Ornamental wood.	101	78. Orozco, Valentin, Campeche. Native woods.	99
70. Mexico, State of.		79. Ortiz, Antonio, Campeche. Native woods.	99
<i>a</i> Native woods from Toluca.	99	80. Osorio, Demetrio, Merida. Native woods.	99
<i>b</i> Zacaton root and native palm products from Toluca.	105	81. Pachuca, State of. Native woods.	99
71. Michoacan, State of.		82. Pena, Marin, Monterrey.	
<i>a</i> Collection of woods from Morelia.	99	<i>a</i> Native woods.	99
<i>b</i> Tanning and dyeing barks from Morelia.	103	<i>b</i> Collection of leaves in ornamental designs.	113
<i>c</i> Zacaton root from Patzcuaro.	105	83. Perez, Lino, Tenancingo. Pitch and resinous products.	106
<i>d</i> Gums and resins from several districts in the state.	106	84. Philognostical Society, Villa Lerdo. Medicinal and industrial plants.	108
<i>e</i> Medicinal plants.	108	85. Pliego, Luis G., Lerma.	
72. Morelos, State of.		<i>a</i> Native woods.	99
<i>a</i> Native woods from Cuernavaca.	99	<i>b</i> Medicinal plants.	108
<i>b</i> Tanning barks from Cuernavaca.	103	85a. Political Authority of La Paz.	
<i>c</i> Camlet, from Cuernavaca.	104	<i>a</i> Orchilla.	103
<i>d</i> Hay, banana papatta and zacaton root from Cuernavaca.	105	<i>b</i> Medicinal plants.	108
		85b. Ponce, Rafael, Tulancingo. Native woods.	99
		86. Ponce de Leon, Miguel, Culiacan. Gums and resins.	106
		87. Ponce de Leon, Miguel, San Ignacio. Medicinal plants.	108

## Forestry and Forest Products.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
3. <b>Puebla, State of.</b>		103. <b>Tabasco, State of. Native woods from</b>	
<i>a</i> Native woods.	99	Tabasco.	99
<i>b</i> Collection of dyeing plants and tanning barks.	103	104. <b>Tamaulipas, State of. Collection of</b>	
<i>c</i> Zacaton root.	105	woods from Ciudad Victoria.	99
<i>d</i> Pitch, vegetable wax, caoutchouc, chewing gum, copal, resin, <i>cuajote</i> resin, de chaca and ocote resins, turpentine, india-rubber, zapote latex.	106	105. <b>Tamayo, Alfredo, Hunucma. Native</b>	
<i>e</i> Three huajes.	107	woods.	99
<i>f</i> Popote broom.	110	106. <b>Tax-ku, Marcelino, Valladolid. Pli-</b>	
<i>g</i> Baskets and pliable reeds.	111	able reed resin.	106
<i>h</i> Bamboo and bamboo cages.	112	107. <b>Tepic, Territory of.</b>	
<i>i</i> Herbarium.	113	<i>a</i> Collection of woods.	99
<b>Queretaro, State of. Native woods</b>		<i>b</i> Chewing gum.	106
from Amecalco, Cadereyta, Jalpan and San		108. <b>Testamentaria del General Carlos</b>	
Juan del Rio.	99	Pacheco, Mexico. Collection of woods.	99
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## NEW SOUTH WALES.

LOCATION—SEC. D, 1-3.

## Forestry and Forest Products.

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1. Baker, Frederick R. H., Fernmount.		5. Frew, W., & Co., Albury. Samples of	
Logs of red bean, rosewood and blue berry ash.	99	Murray pine, flooring, ceiling, etc.	100
2. Berriman, Albert, Sydney. Grass rope		6. Gray, J., Wagga Wagga. Specimens	
used in the manufacture of hollow castings.	105	of woods and timbers.	99
3. Breckenridge, J., Failford. Dressed		7. Guy, Francis, Sydney. Wood paving	
and undressed hardwood timber.	99	blocks.	99
3a. Commissioners for New South Wales,		8. Halliday, F., Bathurst. Wattle bark	
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a Collection of commercial timbers.	99	9. Henderson, G., Grafton. Specimens	
b Trophy of wooden blocks of colonial		of tulip wood.	101
hardwood timbers, and section of		10. Hickson, J. C., Burwood. Log of	
roadway in New South Wales court		tallow wood.	99
laid with the same on cement.	100	11. Lewis, Mortimer W., East Maitland.	
c Collection of commercial timbers in		Collection of specimens of timbers.	99
merchantable lengths.	101	12. Mazoudier, A., & Co., Parkes. Specimens	
d Barks of timber trees.	108	of worked timbers.	101
e Herbarium specimens of timber, trees,		13. Millard, W. J. P., Ulladulla. Hickory	
shrubs, seeds and seed vessels.	113	bark.	103
f Photographs of forest trees.	116	14. Raymond, H., & Co., Sydney. Wattle	
4. Deverell, Edmund J., Glen Innes.		bark.	103
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## PARAGUAY.

LOCATION—SEC. D, 15.

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<i>a</i> Samples of timber.	99	<i>f</i> Samples of charcoal.	117
<i>b</i> Ornamental woods.	101		
<i>c</i> Dyeing woods and plants and extract of omembrasho wood.	103	<b>2. Hassler, E. Samples of ornamental woods.</b>	101
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## RUSSIA.

LOCATION—SEC. C, 1-5.

## Forestry and Forest Products.

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<i>b</i> Shoots, etc.	113	<b>5. Kolakovski. Medicinal plants.</b>	108
<i>c</i> Photographs and drawings.	116	<b>6. Köller. Medicinal plants.</b>	108
<b>Buldakov. Boot-trees.</b>	110	<b>7. Miasoyedoe. Implements of trans-planting.</b>	115
<b>Chief Administration of Crown Lands.</b>		<b>8. Riga Board of Trade.</b>	
<i>a</i> Samples of timber, lumber, etc.	99	<i>a</i> Samples of timber.	99
<i>b</i> Gums, resins, etc.	106	<i>b</i> Lumber.	100
<i>c</i> Medicinal roots, herbs, etc.	108	<b>9. Russian Agricultural Forestry and Mining Commission. Diagrams and maps.</b>	116
<i>d</i> Illustrations of diseases of trees.	113		
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Woman's Building -

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# WORLD'S COLUMBIAN EXPOSITION

1893

## OFFICIAL CATALOGUE

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PART XIV.

## WOMAN'S BUILDING

MRS. BERTHA H. PALMER,

PRESIDENT BOARD OF LADY MANAGERS

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EDITED BY

THE DEPARTMENT OF PUBLICITY AND PROMOTION

M. P. HANDY, CHIEF

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CHICAGO:  
W. B. CONKEY COMPANY, PUBLISHERS  
TO THE  
WORLD'S COLUMBIAN EXPOSITION,  
1893.

Dressing room, State Commissioners' room (decorated by Japan), California, Cincinnati and Kentucky rooms, the Superintendent's room, and another Dressing room. The furniture and decorations of the State rooms are contributions from the women of such states. With very few exceptions, all entertainments given in the building are open to the public, and no fee is charged under any circumstances.

The Woman's Building was designed by a woman, and its decorations and all exhibits displayed within its walls are the work of women.

## HOW TO CONSULT THE CATALOGUE.

The list of exhibits from the United States, in all departments, occupies the first portion of the catalogue. This is followed by several special exhibits, and after them all foreign countries represented, the latter being arranged in alphabetical order. The list of each country or special exhibit is numbered consecutively throughout all departments. As far as practicable there will be attached to each exhibit in the building a card bearing the name of the country or special organization contributing it, and the words "Official Catalogue No." followed by a number corresponding to a similar one, under the same heading, in the catalogue. For example, if a card reads:

WOMAN'S BUILDING  
GREAT BRITAIN  
Official Catalogue No. 40

By turning to that number in the catalogue, under the heading of Great Britain, it will be found that the exhibit is a sketch, made by the Queen of England, of a pug dog. On the other hand, should the visitor's attention be directed to this entry in the catalogue and wish to find the exhibit, he will notice that while most of the articles from Great Britain are in the north wing, between A-1 and F-1, this special exhibit is located in the northeast gallery.

To find the exhibit of any particular person without consulting the general index, which of course is the simplest method, one must know the character of the article exhibited, and then run through the group headings in the classification in the front of the catalogue until the group in which such an exhibit should be classed is found, when, by referring to that group under the proper country heading, all exhibitors of that article will be found alphabetically arranged. The figures at the extreme right of the columns indicate the class subdivision to which exhibits belong.

No attention should be paid to any numbers which may be affixed to exhibits except those appearing on cards in the form given above.

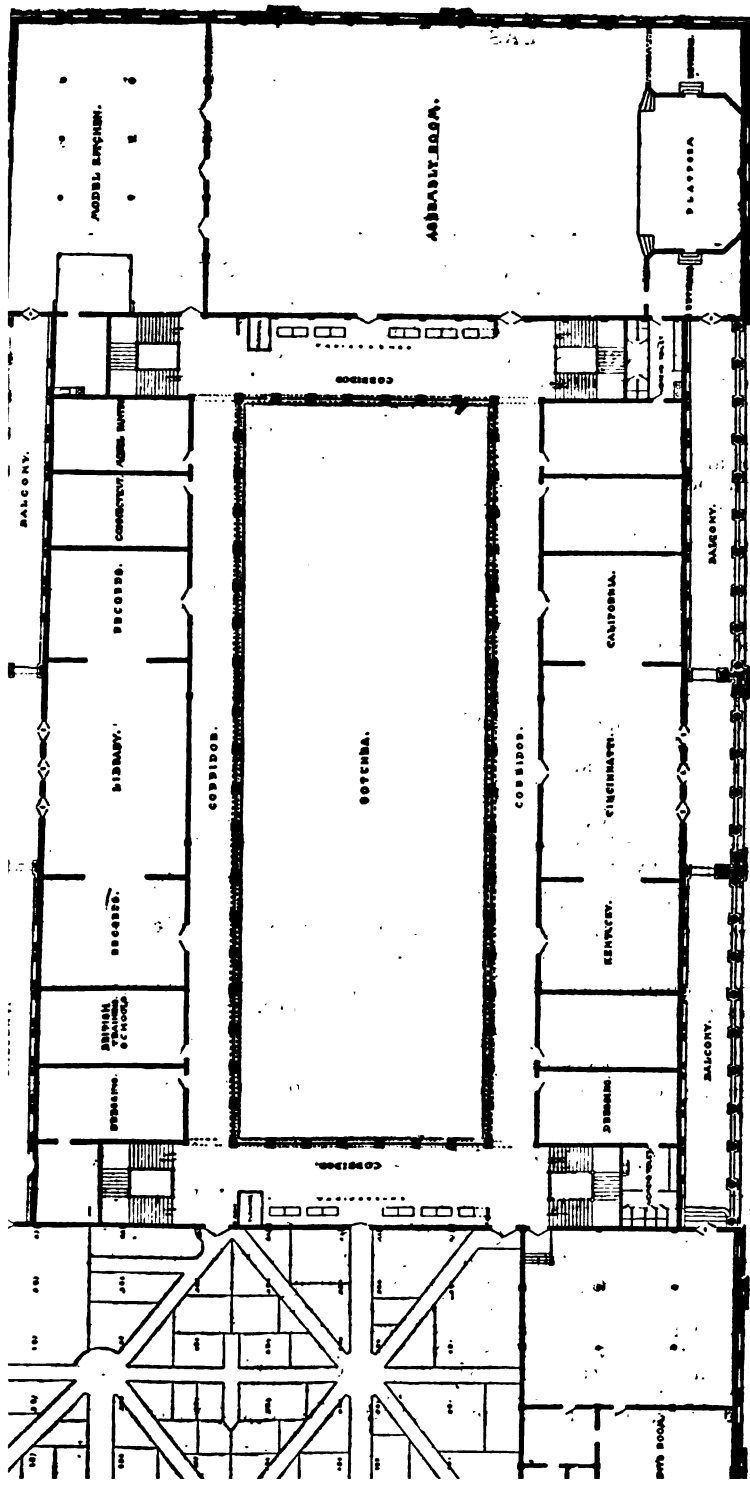
The abbreviations used in this catalogue are as follows:

As.—Assembly.	Ex.—Exhibit.	Rec.—Record.
C.—Centre.	Gal.—Gallery.	Rot.—Rotunda.
Calif.—California.	Inv.—Invention.	Sci.—Scientific.
Cinn.—Cincinnati.	Ky.—Kentucky.	Vest.—Vestibule.
Com.—Committee.	Mod. kit.—Model kitchen.	N.—North.
Conn.—Connecticut.	N. Y. Lib.—New York Library.	S.—South.
Edu.—Education.	Org.—Organization.	E.—East.
Eth.—Ethnological.	Pro.—Process.	W.—West.

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PLAN OF SECOND FLOOR.

...WOMAN'S BUILDING...  
...WOMAN'S COLUMBIAN EXPOSITION...

## DEPARTMENT A.

## AGRICULTURE, FOOD AND ITS ACCESSORIES, AGRICULTURAL MACHINERY AND APPLIANCES.

## GROUP 1.

## CEREALS, GRASSES AND FORAGE PLANTS.

Class 2. Indian corn—all varieties.

## GROUP 2.

## BREAD, BISCUITS, PASTES, STARCH, GLUTEN, ETC.

Class 12. Bread and its manufacture, baking powder, yeast and its preparations.

Class 16. Starch and its manufacture from all sources.

## GROUP 3.

Class 26. Honey-bees and honey, hives and appliances.

## GROUP 7.

## THE DAIRY AND DAIRY PRODUCTS.

Class 44. Dairy fittings and appliances—churns for hand and power, butter workers, cans and pails, cheese presses, vats and apparatus.

## GROUP 8.

## TEA, COFFEE, SPICES, HOPS, AND AROMATIC AND VEGETABLE SUBSTANCES.

Class 45. Tea, coffee, cocoa, chocolate and substitutes.

Class 51. Commercial forms of chewing and smoking tobacco.

Class 52. Cigars, cigarettes and snuff.

## GROUP 9.

## ANIMAL AND VEGETABLE FIBRES.

Class 53. Cotton on the stalk—its several varieties; long and short staples, shown by living examples, by engravings, photographs, etc.

Class 59. Hemp, flax, jute, ramie, and other vegetable fibres not enumerated, in primitive forms and in all stages for spinning.

Class 61. Silk worms, silk in the cocoons, apparatus and appliances used in silk culture.

## GROUP 14.

Class 82. Farm buildings, ~~houses~~, barns, stables, etc., shown by reference to special examples, or by models, drawings or other illustrations. Stable fittings.

## GROUP 18.

## FATS, OILS, SOAPS, CANDLES, ETC.

Class 97. Stearine, glycerine, paraffine, etc. Spermaceti, ozocerite, wax, candles, etc.

## DEPARTMENT B.

## HORTICULTURE, VITICULTURE, POMOLOGY, FLORICULTURE, ETC.

## GROUP 21.

## POMOLOGY, MANUFACTURED PRODUCTS—METHODS AND APPLIANCES.

Class 137. Nuts—almonds, pecans, chestnuts, filberts, walnuts, etc.

Class 138. Casts and models of fruits; imitations in wax, etc.

Class 139. Dried and evaporated apples, peaches, pears and other fruits. Prunes, figs, dates, raisins, etc., in glass or boxes.

Class 140. Fruits in glass or cans, preserved in syrup or alcohol.

Class 141. Jellies, jams, marmalades.

Class 143. Cider, perry, vinegar and expressed juices of fruits and berries.

**GROUP 22.**  
**FLORICULTURE.**

- Class 160. Ferns.
- Class 164. Native wild plants and flowers.
- Class 165. Ornamental grasses and reeds.
- Class 167. Cut flowers. Floral designs, pressed flowers, leaves, sea-weeds and bouquets.
- Class 169. Receptacles for plants, flower pots, plant boxes, fern cases, tubs, jardinières.
- Class 171. Miscellaneous.

**GROUP 23.**  
**CULINARY VEGETABLES.**

- Class 176. Vegetables dried or in cans or glass.
- Class 177. Pickles, champignons, truffles, chutney, mustard, etc.

**DEPARTMENT C.**

**LIVE STOCK—DOMESTIC AND WILD ANIMALS.**

**GROUP 34.**  
**POULTRY AND BIRDS.**

- Class 229. Pheasants and other ornamental birds.
- Class 230. Birds of all countries, alive and as stuffed specimens. Taxidermy methods and appliances.

**GROUP 35.**  
**INSECTS AND INSECT PRODUCTS.**

- Class 235. Insects, useful or injurious.

**GROUP 36.**  
**WILD ANIMALS.**

- Class 236. Animals of all countries, alive and as stuffed specimens.

**DEPARTMENT D.**

**FISH, FISHERIES, FISH PRODUCTS AND APPARATUS OF FISHING**

**GROUP 37.**  
**FISH AND OTHER FORMS OF AQUATIC LIFE.**

- Class 240. Algæ, genera and species, with localities.
- Class 243. Oysters, clams and mollusca of all kinds; shells.

**GROUP 38.**  
**SEA FISHING AND ANGLING.**

- Class 257. Nets and seines, rakes and dredges, and materials used in their manufacture
- Class 261. Illustrations of special fisheries.

**DEPARTMENT E.**

**MINES, MINING AND METALLURGY.**

**GROUP 42.**

**MINERALS, ORES, NATIVE METALS, GEMS AND CRYSTALS—GEOLOGICAL SPECIMENS.**

- Class 290. Collections of minerals systematically arranged.
- Class 291. Collections of ores and the associated minerals. Diamonds and gems, rough, uncut and unmounted. Crystallography.
- Specimens illustrating the formations of the earth, systematically arranged.

**GROUP 44.****BUILDING STONES, MARBLES, ORNAMENTAL STONES AND QUARRY PRODUCTS.**

Class 296. Building stones, granites, slates, etc., rough hewn, ~~sag~~ed or polished—for buildings, bridges, walls, or other constructions, or for interior decoration, or for furniture.

Marble, white, black or colored—stalagmitic marbles, onyx, brecciated marbles, silicified wood, agates, jaspers, porphyries, etc., used in building, decoration, statuary, monuments, vases or furniture.

**GROUP 45.****GRINDING, ABRADING AND POLISHING SUBSTANCES.**

Class 297. Grindstones, hones, whetstones, grinding and polishing materials, sand, quartz, garnet, crude topaz, diamond, corundum, emery in the rock and pulverized and in assorted sizes and grades.

**GROUP 47.****LIMESTONE, CEMENTS AND ARTIFICIAL STONE.**

Class 309. Lime, cement and hydraulic cement, raw and burned, accompanied by specimens of the crude rock or material used; also artificial stone, concrete, beton.

Specimens of lime mortar and mixtures, with illustrations of the processes of mixing, etc. Hydraulic and other cements.

**GROUP 67.****HISTORY AND LITERATURE OF MINING AND METALLURGY.**

Class 410. Maps, relief-models and pictures to illustrate the geology and distribution of minerals and mines and the methods of working mines.

Class 412. Mine engineering—surface and underground surveying and plotting, projection of underground work, location of shafts, tunnels, etc.; surveys for aqueducts and for drainage.

Boring and drilling rocks, shafts and tunnels, etc.; surveys for aqueducts and for ascertaining the nature and extent of mineral deposits.

Construction—sinking and lining shafts by various methods, driving and timbering tunnels and the general operations of opening, stopping and breaking down ore; timbering, lagging and masonry.

Hoisting and delivering at the surface, rock, ore or miners; pumping and draining by engines, buckets or by adits.

Ventilating and lighting.

**DEPARTMENT F.****MACHINERY.****GROUP 72.****MACHINERY FOR THE MANUFACTURE OF TEXTILE FABRICS AND CLOTHING.**

Class 436. Machines for the manufacture of woolen goods.

**GROUP 77.****MISCELLANEOUS HAND TOOLS, MACHINES AND APPARATUS USED IN VARIOUS ARTS.**

Class 484. Machines for washing, ironing, drying, scouring and laundry work generally.

Class 486. Machines used in various manufacturing industries not specifically mentioned.

**GROUP 78.****MACHINES FOR WORKING STONE, CLAY AND OTHER MINERALS.**

Class 492. Brick, pottery and tile machines. Machines for making artificial stone. K for firing china and glass.

**GROUP 79.****MACHINES FOR WORKING STONE, CLAY AND OTHER MINERALS.**

Class 495. Sugar-refining machines. Confectioners' machinery.

## DEPARTMENT G.

### TRANSPORTATION—RAILWAYS, VESSELS, VEHICLES

#### GROUP 80.

##### RAILWAYS, RAILWAY PLANT AND EQUIPMENT.

- Class 500. Railway equipment—locomotives for passenger and freight service. Locomotive appliances—head lights, bells, whistles, brake valves and apparatus, etc. Plans, drawings and photographs of locomotives and locomotive shops. Passenger cars—mail, baggage and express coaches, drawing-room, parlor, dining, officers' and private cars, etc. Passenger car furnishings and appliances.
- Freight cars—box, caboose, stock, horse, milk, refrigerator and other varieties. Working cars—sweeping, ditching, wrecking, etc.; snow plows, hand, inspection, push and velocipede cars, baggage barrows and trucks. Freight car appliances of all descriptions. Plans, drawings and photographs of cars and car works.

#### GROUP 81.

##### STREET CAR AND OTHER SHORT LINE SYSTEMS.

- Class 506. Cars for street railways or tramways operated by horse-power or other means of propulsion not specified. Construction. Equipment and supplies. Methods of operation.

#### GROUP 83.

##### VEHICLES AND METHODS OF TRANSPORTATION ON COMMON ROADS.

- Class 522. Wagon and carriage woodwork, hardware and fittings.
- Class 523. Harness, saddlery, robes, whips and accessories of the stable.

#### GROUP 84.

##### AERIAL, PNEUMATIC AND OTHER FORMS OF TRANSPORTATION.

- Class 527. Passenger elevators and lifts.

#### GROUP 85.

##### VESSELS, BOATS—MARINE, LAKE AND RIVER TRANSPORTATION.

- Class 534. Protection of life and property and communication at sea. Harbors; light-houses; buoys and similar aids to navigation and all pertaining thereto; life-saving service, boats, rafts, belts, etc.; precautions against fire aboard ship and devices for extinguishing it; storm and coast signals; marine signals. Models, plans, samples, etc.

## DEPARTMENT H.

### MANUFACTURES.

#### GROUP 87.

##### CHEMICAL AND PHARMACEUTICAL PRODUCTS—DRUGGISTS' SUPPLIES.

- Class 547. Drugs and pharmaceutical preparations and compounds.
- Class 548. Chemists' and druggists' wares and supplies.
- Class 549. Flavoring extracts, essences, essential oils, toilet soap, perfumery, pomades, cosmetics, etc.

#### GROUP 89.

##### TYPEWRITERS, PAPER, BLANK BOOKS, STATIONERY.

- Class 557. Cardboard, cards, pasteboard, etc. Papier mache and useful articles made from paper.
- Class 562. Ornamental and decorated paper; marbled paper, etc.
- Class 563. Wall papers, oil papers.
- Class 564. Typewriters, stationery and stationers' goods; ink-stands, weights, rules, pens, pencils, filing-cases, letter presses, etc.

#### GROUP 90.

##### FURNITURE OF INTERIORS, UPHOLSTERY AND ARTISTIC DECORATION.

- Class 565. Chairs of all grades, rockers, lounges, settles, etc.
- Class 566. Tables for various purposes—billiard, card, dining, etc.

- Class 567. Suites of furniture for the hall, parlor, drawing-room, library, dining-room and for the bed-chamber.  
 Class 568. Upholstery for windows and doors; curtains, portieres, etc.  
 Class 570. Treatment of porches, doorways, halls and staircases, mantels, etc.  
 Class 572. Artistic furnishing, illustrated by completely furnished apartments, with selections of furniture and various objects of adornment from other groups.

### GROUP 91—CERAMICS AND MOSAICS.

FOR CLAYS AND OTHER MATERIALS SEE GROUP 46.

- Class 574. Bricks and terra cotta for building purposes, plain and enameled. Terra cotta ware for decorative purposes. Reproductions of ancient, Roman and Grecian red ware.  
 Class 575. Stoneware and pottery; lead glazed and salt-glazed ware; Doultoff ware.  
 Class 576. Earthenware, stone, china and semi-porcelain ware, faience, etc., with soft glazes and with high-fire, feld-spathic glazes and enamels.  
 Class 577. Porcelain with white or colored body, painted, incised or pate-sur-pate decoration.  
 Class 578. Tiles—plain, encaustic and decorated tiles, bosses, tessaræ, etc., for pavements, mural and mantel decoration, etc.  
 Class 579. Mural decoration; reredos and panels; borders for fire-places and mantels.

### GROUP 92.

MARBLE, STONE AND METAL MONUMENTS, MAUSOLEUMS, MANTELS, ETC.—CASKETS, COFFINS AND UNDERTAKERS' FURNISHING GOODS.

- Class 582. Marble and stone fountains, balustrades and miscellaneous ornaments.  
 Class 583. Marble, stone and metal mantels and ornaments.

### GROUP 93.

ART METAL WORK—ENAMELS, ETC.

- Class 585. Art metal work; selected examples of iron forgings, bronzes, bas-reliefs, repousse and chiseled work.  
 Class 586. Cloisonne enamels.

### GROUP 94.

GLASS AND GLASSWARE.

- Class 592. Cut-glass ware for the table and various purposes. Engraved and etched glass.  
 Class 593. Fancy glassware—plain, iridescent, opalescent, colored, enameled painted, beaded, gilded, etc. Millefiori and aventurine glass.  
 Class 595. Glass mosaics, beads, spun-glass and glass fabrics.

### GROUP 95.

STAINED GLASS AND DECORATION.

- Class 596. Civic and domestic stained glass work, panels, windows, etc.  
 Class 597. Ecclesiastical stained glass work.

### GROUP 96.

CARVINGS IN VARIOUS MATERIALS.

- Class 598. Wood carving and pyrography.  
 Class 599. Ivory carving.  
 Class 601. Metal carving and chiseling.  
 Class 602. Sculptured and engraved glass.

### GROUP 97.

GOLD AND SILVER WARE, PLATE, ETC.

- Class 604. Gold and silver ware; gilt ware for the table and for decoration.  
 Class 607. Fancy bonbon and other spoons; miscellaneous fancy articles in silver—snuff-boxes, match-boxes, cane-heads, handles, chatelaines, etc.

### GROUP 98.

JEWELRY AND ORNAMENTS.

- Class 612. Gold ornaments for the person, etc.  
 Class 613. Diamonds and various colored gems, as rubies, sapphires, emeralds, chrysoberyls, tourmalines, topazes, etc., mounted in various ornaments.

- Class 614.** Agates, onyx, jasper, ornaments for the person.
- Class 615.** Pastes and imitations of precious stones, mounted or unmounted.
- Class 616.** Gold-covered and gilt jewelry and ornaments.

**GROUP 100.**

**SILK AND SILK FABRICS.**

- Class 625.** Raw silk as reeled from the cocoon, thrown or twisted silk on the gum.
- Class 626.** Plain woven silks, lustrings, sarsonets, satins, serges, foulards, tissues for hat and millinery purposes, etc.
- Class 629.** Figured-silk piece goods, woven or printed. Upholstery silks, etc.
- Class 630.** Crapes, velvets, gauzes, cravats, handkerchiefs, hosiery, knit goods, laces, scarfs, ties, veils; all descriptions of cut and made-up silks.
- Class 632.** Bindings, braids, cords, galloons, ladies' dress trimmings, upholsterers', tailors' military and miscellaneous trimmings.

**GROUP 101.**

**FABRICS OF JUTE, RAMIE AND OTHER VEGETABLE AND MINERAL FIBRES.**

- Class 634.** Ramie and other fabrics.
- Class 635.** Mats and coarse fabrics of grass, etc.
- Class 637.** Woven fabrics of mineral origin—fine wire-cloths, sieve-cloth, wire screen, bolting cloth. (See also Group 117.) Asbestos fibre, spun and woven, with the clothing manufactured from it. Glass thread, floss and fabrics. (See also Class 595.)

**GROUP 102.**

**YARNS AND WOVEN GOODS OF COTTON, LINEN AND OTHER VEGETABLE FIBRES.**

- Class 638.** Cotton fabrics, etc.
- Class 639.** Linen fabrics—linen thread, cloths and drills, plain and mixed; napkins, table-cloths, sheetings, shirtings, etc.; cambrics, handkerchiefs and other manufactures of linen.

**GROUP 103.**

**WOVEN AND FELTED GOODS OF WOOL AND MIXTURES OF WOOL.**

- Class 640.** Woolen and worsted fabrics. Woolen yarns, union or merino worsted tops, noils and yarns, shoddy and mungo.
- Class 641.** Woolen goods. All wool woolen cloths, doeskins, cassimeres, indigo flannels and broadcloth, overcoatings, cloakings and kerseys, flannels, dress goods, etc., for both men and women.
- Class 642.** Blankets, robes, traveling rugs, horse blankets, shawls, bunting, etc.
- Class 644.** Cotton and woolen mixed woven goods. Unions, tweeds, cheviots, flannels, 'linseys, blankets, etc.
- Class 646.** Upholstery goods.
- Class 647.** Sundries and small wares, webbings and gorings, bindings, beltings, braids, galloons, fringes and gimps, cords and tassels, and all elastic fabrics, dress trimmings, embroideries, etc.
- Class 648.** Felt goods, felt cloths, trimming and lining felt, felt skirts and skirting, table and piano covers, felts for ladies' hats, saddle felts, druggets, endless belts for printing machines, rubber shoe-linings and other foot wear; hair feltings.
- Class 649.** Carpets and rugs, ingrains (two-ply and three-ply) and art carpets, tapestry and body Brussels, tapestry velvet, Wilton or Wilton velvet, Axminster, tapestry Wilton, Moquette, ingrain and Smyrna rugs, other woolen rugs, rag carpets.
- Class 651.** Fabrics of hair, alpaca, goat's hair, camel's hair, etc., not otherwise enumerated.

**GROUP 104.**

**CLOTHING AND COSTUMES.**

- Class 652.** Ready-made clothing for men and boys.
- Class 653.** Dresses, gowns, habits, costumes, women's underclothing and national costumes.
- Class 654.** Hats and caps.
- Class 655.** Bonnets and millinery.
- Class 656.** Boots and shoes.
- Class 657.** Knit goods and hosiery, woven gloves, gloves of leather and skins
- Class 658.** Shirts, collars, cuffs, cravats, suspenders, braces and appliances.
- Class 659.** Sewing machines for domestic purposes.

**GROUP 105.****FURS AND FUR CLOTHING.**

- Class 660. Furs and skins, dressed and tanned—of the cat tribe, of the wolf tribe, of the weasel tribe, of the bear tribe, of the seal tribe. Fur seals—Alaska, Oregon, South Georgia, Shetland and Siberia, undressed, plucked and dyed. Hair seals, Greenland and Labrador seals, spotted seals, silver seal, harp seal, saddleback. Furs of rodent animals—squirrels, chinchilla, beaver, hares, rabbits and other fur bearing animals. Birds' skins treated as furs. Swans and swans'-down. Skins. Goose and goose-down used as swans'-down. Grebe, eider-down and penguin.
- Class 661. Fur mats and carriage or sleigh robes.
- Class 662. Fur clothing.

**GROUP 106.****LACES, EMBROIDERIES, TRIMMINGS, ARTIFICIAL FLOWERS, FANS, ETC.**

- Class 664. Laces of linen and cotton, of silk, wool or mohair, made with the needle or the loom; silver and gold lace.
- Class 665. Embroideries, crochet-work, etc.; needle-work.
- Class 666. Artificial flowers for trimming and for decoration of apartments.
- Class 667. Fans.
- Class 668. Trimmings in variety, not otherwise classed. Buttons, hooks and eyes, dress fasteners, pins and needles, etc.
- Class 669. Art embroidery and needle-work.
- Class 670. Tapestries, hand-made.

**GROUP 107.****HAIR WORK, COIFFURES AND ACCESSORIES OF THE TOILET.**

- Class 672. Hair work, as souvenirs and ornaments.

**GROUP 108.****TRAVELING EQUIPMENTS—VALISES, TRUNKS, TOILET CASES, FANCY LEATHER WORK, CANES, UMBRELLAS, PARASOLS, ETC.**

- Class 679. Trunks of leather, paper, canvas, and of wood and metal.
- Class 680. Fancy bags, pouches, purses, card-cases, portfolios, pocket-books, cigar-cases, smoking-pipes, cigar-holders, etc.
- Class 681. Canes.
- Class 682. Umbrellas and parasols.

**GROUP 109.****RUBBER GOODS, CAOUTCHOUC, GUTTA PERCHA, CELLULOID AND ZYLONITE.**

- Class 683. Clothing—Mackintoshes, capes, coats, boots, shoes, hats, etc.
- Class 688. House-furnishing articles, mats, cushions.

**GROUP 110.****TOYS AND FANCY ARTICLES.**

- Class 693. Automatic and other toys and games for the amusement and instruction of children.
- Class 694. Bonbons, fancy boxes and packages for confectionery.
- Class 695. Miscellaneous fancy articles not especially classed.

**GROUP 111.****LEATHER AND MANUFACTURES OF LEATHER.**

- Class 705. Embossed and decorated leather for furniture, wall decoration, etc.  
(For trunks see Class 679. For harness, saddlery, etc., see Class 523.)

**GROUP 113.****MATERIALS OF WAR: ORDNANCE AND AMMUNITION, WEAPONS AND APPARATUS OF HUNTING, TRAPPING, ETC.; MILITARY AND SPORTING SMALL ARMS.**

- Class 717. Knives, swords, spears and dirks.

**GROUP 114.****LIGHTING APPARATUS AND APPLIANCES.**

- Class 719. Lamps, burners, chimneys and shades; table lamps, hanging lamps,

**GROUP 115.**

**HEATING AND COOKING APPARATUS AND APPLIANCES.**

- Class 724. Fire-places, grates and appurtenances for burning wood, coal and gas.  
 Class 726. Steam heaters, hot-water heaters, radiators, etc.  
 Class 727. Stoves for heating, cooking stoves, kitchen ranges, grills, roasting jacks, ovens, etc. Stove polish.  
 Class 729. Petroleum stoves.  
 Class 730. Kitchen utensils and other miscellaneous articles for household purposes.

**GROUP 116.**

**REFRIGERATORS, HOLLOW METAL WARE, TIN WARE, ENAMELED WARE.**

- Class 731. Refrigerators. Soda and aerated water fountains and appliances.

**GROUP 117.**

**WIRE GOODS AND SCREENS, PERFORATED SHEETS, LATTICE WORK, FENCING, ETC.**

- Class 738. Screens for special purposes.

**GROUP 120.**

**PLUMBING AND SANITARY MATERIALS.**

- Class 758. Bath tubs, bathing appliances and attachments.  
 Class 755. Porcelain laundry tubs, basins, cocks, drains and other appliances.

**GROUP 121.**

**MISCELLANEOUS ARTICLES OF MANUFACTURE NOT HERETOFORE CLASSED.**

**DEPARTMENT K.**

**FINE ARTS—PAINTING, SCULPTURE, ARCHITECTURE AND DECORATION.**

**GROUP 139.**

**SCULPTURE.**

- Class 820. Figures and groups in marble; casts from original works by modern artists; models and monumental decorations.  
 Class 821. Bas-reliefs in marble or bronze.  
 Class 822. Figures and groups in bronze.

**GROUP 140.**

**PAINTINGS IN OIL.**

**GROUP 141.**

**PAINTINGS IN WATER COLORS.**

**GROUP 142.**

- PAINTINGS ON IVORY, ON ENAMEL, ON METAL, ON PORCELAIN OR OTHER WARES; FRESCO PAINTING ON WALLS, AND TAPESTRY PAINTING.

**GROUP 143.**

**ENGRAVINGS AND ETCHINGS; PRINTS.**

**GROUP 144.**

**CHALK, CHARCOAL, PASTEL AND OTHER DRAWINGS.**

**GROUP 145.**

- CLASSICAL AND MODERN CARVINGS; ENGRAVINGS IN MEDALLIONS OR IN GEMS; CAMBOS, INTAGLIOS.

**GROUP 146.**

**EXHIBITS OF PRIVATE COLLECTIONS AND RELICS.**

**DEPARTMENT L.**

**LIBERAL ARTS—EDUCATION, LITERATURE, ENGINEERING, PUBLIC WORKS, MUSIC AND THE DRAMA.**

**GROUP 147.**

**PHYSICAL DEVELOPMENT, TRAINING AND CONDITION—HYGIENE.**

- Class 824. The nursery and its accessories.

- Class 825. Athletic training and exercise gymnasiums; apparatus for physical development and of gymnastic exercises and amusement; skating, walking, climbing, ball-playing, wrestling, acrobatic exercises; rowing, hunting, etc. Special apparatus for training in schools, gymnasia; apparatus for exercise, drill, etc.
- Class 826. Alimentation—food supply and its distribution; adulteration of food, markets, preparation of food, cooking and serving, school kitchens and arrangements for school canteens, methods of warming children's meals, etc. Dinner pails, or receptacles for carrying meals for school children, workingmen and others. Restaurants, dining halls, refectories, etc.
- Class 827. Dwellings and buildings characterized by the conditions best adapted to health and comfort, including dwellings for workingmen and factory operatives, houses and villages for operatives, in connection with large manufacturing establishments, tenement houses, flats and suites of apartments, city and country residences, club-houses, school-houses; designs and models of improved buildings for elementary schools, infant schools and *crèches*, court-rooms, theatres, churches, etc.
- Class 828. Hotels, lodging-houses.
- Class 829. Public baths, lavatories; public and domestic hygiene. Sanitation—sanitary appliances and methods for dwelling-houses, buildings and cities. Direct renewal of air. Heating, ventilating, lighting, in their relation to health. Conduits of water and sewage. Drains and sewers. Sinks, night-soil apparatus, sanitary plumbing, walls, bricks, roofs, flooring, etc. Sanitary house decoration—non-poisonous paints and wall-papers, floor coverings, washables, decorations, etc.
- Apparatus for carrying off, receiving and treating sewage. Slaughter-house refuse, city garbage.
- Apparatus and methods for filtering water and cleansing water-courses.
- Apparatus intended for the prevention of infectious diseases. Methods, materials and instruments for purifying and destroying germs; disinfectors.
- Apparatus and fittings for warming, ventilating and lighting schools; school latrines, closets, etc.
- Special school fittings for storing and drying clothing.
- Precaution in schools for preventing the spread of infectious diseases; school sanitarium, infirmaries, etc.
- Class 831. Asylums and homes—asylums for infants and children; foundling and orphan asylums; children's aid societies. Homes for aged men and women; for the maimed and deformed; for soldiers and sailors.
- Treatment of paupers; alms-houses.
- Treatment of aborigines; Indian reservations and homes.
- Class 832. Hospitals, dispensaries, etc.; plans, models, statistics. Shed hospitals for infectious fevers and epidemic diseases; tent hospitals; hospital ships; furniture and fittings for sick rooms.

### GROUP 148.

#### INSTRUMENTS AND APPARATUS OF MEDICINE, SURGERY AND PROSTHESIS.

- Class 837. Surgical instruments, appliances and apparatus, with dressings, anæsthetics, antiseptics; obstetrical instruments, etc.
- Class 839. Instruments and apparatus of dental surgery and prosthesis.

### GROUP 149.

#### PRIMARY, SECONDARY AND SUPERIOR EDUCATION. DESIGNS, DRESS-MAKING, ETC.

- Class 841. Elementary instruction—infant schools and kindergartens. Descriptions of the methods of instruction, with statistics.
- Class 842. Primary schools, city and country—school-houses and furniture. Apparatus and fittings. Models and appliances for teaching and text-books, diagrams, examples. Specimens of work in elementary schools.
- Class 843. Domestic and industrial training for girls—models and apparatus for the teaching of cookery, housework, washing and ironing, needle-work and embroidery, dress-making, artificial flower-making, painting on silk, crockery, etc. Specimens of school work.
- Class 846. Art teaching—apparatus, models and fittings for elementary art instruction in schools, diagrams, copies, text-books, etc., specimens of art work, modeling, etc., in schools.

- Class 847.** Technical and apprenticeship schools—apparatus and examples used in primary and secondary schools for teaching handicraft; models, plans and designs for the fitting up of work-shop and industrial schools; results of industrial work done in such schools.
- Class 849.** Education of defective classes—schools for the deaf, dumb, blind and feeble-minded; adult schools for the illiterate.
- Class 850.** Public schools—descriptions, illustrations, statistics, methods of instruction, etc.
- Class 851.** Higher education—academies and high schools. Descriptions and statistics. Colleges and universities. Descriptions, illustrations of the buildings, libraries, museums, collections, courses of study, catalogues, statistics, etc.
- Class 852.** Professional schools— theology, law, medicine and surgery, dentistry, pharmacy; mining, engineering, agriculture, mechanic arts; art and design; military, naval, normal, commercial; music. Designs.
- Class 853.** Government aid to education, National Bureau of Education. Reports and statistics.

**GROUP 150.**

**LITERATURE, BOOKS, LIBRARIES, JOURNALISM.**

- Class 854.** Books and literature, with special examples of typography, illustrations, paper and binding. General works—philosophy, religion, sociology, philology, natural sciences, useful arts, fine arts, literature, history and geography; cyclopædias, magazines and newspapers; bindings, specimens of typography, lithography and stenographic work.
- Class 855.** School books.

**GROUP 151.**

**INSTRUMENTS OF PRECISION, EXPERIMENT, RESEARCH AND PHOTOGRAPHY; PHOTOGRAPHS.**

- Class 865.** Weights, measures; weighing and metrological apparatus. Balances of precision, instruments for mechanical calculation, adding machines, pedometers, cash registers, water and gas meters, etc. Measures of length, graduated scales, etc.
- Class 871.** Photographic apparatus and accessories. Photographs.

**GROUP 152.**

**CIVIL ENGINEERING, PUBLIC WORKS, CONSTRUCTIVE ARCHITECTURE.**

- Class 882.** Irrigation—irrigating canals and systems.
- Class 889.** Constructive architecture—plans of public buildings for special purposes, large and small dwelling houses.

**GROUP 153.**

**GOVERNMENT AND LAW.**

- Class 890.** Various systems of government illustrated—government departments, legislative, executive and judicial.
- Class 893.** Postal systems and the appliances of the postal service. Letter boxes, pouches, mail bags, postage stamps, etc.
- Class 894.** Punishment of crime—prisons and reformatories, prison management and discipline, transportation of criminals, penal colonies, houses of correction, reform schools, naval or marine discipline, punishment at sea, police stations, night lock-ups, etc.; dress and equipment of prisoners, examples of convict workmanship.

**GROUP 155.**

**INSTITUTIONS AND ORGANIZATIONS FOR THE INCREASE AND DIFFUSION OF KNOWLEDGE.**

- Class 907.** Institutions founded for the increase and diffusion of knowledge, such as the Smithsonian Institution, the Royal Institution, the Institute of France, British Association for the Advancement of Science, and the American Association, etc.; their organization, history and result.
- Class 908.** Academies of science and letters—learned and scientific associations, geological and mineralogical societies, etc.; engineering, technical and professional associations; artistic, biological, zoological, medical, astronomical and organizations. Scientific exhibits.

- Class 909. Museums, collections, art galleries, exhibitions of works of art and industry; agricultural fairs, state and county exhibitions, national exhibitions, international exhibitions, international congresses.

#### GROUP 156.

##### SOCIAL, INDUSTRIAL AND CO-OPERATIVE ASSOCIATIONS.

- Class 912. Social organizations. Clubs—political, military, university, travelers'; press, science clubs and others.
- Class 914. Workmen's unions and association—their organization, statistics and results.
- Class 915. Industrial organizations.
- Class 917. Secret societies.
- Class 918. Miscellaneous organizations for promoting the material and moral well-being of the industrial classes.

#### GROUP 157.

##### RELIGIOUS ORGANIZATIONS AND SYSTEMS—STATISTICS AND PUBLICATIONS.

- Class 919. Religious organizations and systems. Origin, nature, growth and extent of various religious systems and faiths. Statistical, historical and other illustrations; pictures of buildings; plans and views of interiors.
- Class 921. Missionary societies, missions and missionary work; maps, reports, statistics.
- Class 923. Systems and methods of religious instruction and training for the young; Sunday schools, furniture, apparatus and books.
- Class 924. Associations for religious or moral improvement.
- Class 925. Charities and charitable associations connected with ecclesiastical societies.

#### GROUP 158.

##### MUSIC AND MUSICAL INSTRUMENTS—THE THEATRE.

- Class 926. History and theory of music—music of primitive people. Crude and curious instruments. Combinations of instruments, bands and orchestras. Music books and scores. Musical notation. History and literature of music. Portraits of great musicians.
- Class 930. Stringed instruments with key-board—the piano-forte, square, upright and grand. Actions and parts of a piano. The predecessors of the piano—clavicytherium, clavichord, manichord, virginal, spinet, harpsichord, and hammer harpsichord. Instruments and methods of manufacture. Street pianos.
- Class 937. Music in relation to human life. Musical composers. Great performers. Great singers. Portraits. Biographies. Concerts and the concert stage. The opera, the oratorio, masses. Church music and sacred music of all periods. Hymnology, ballads, folk-song and folk-music of all lands; national airs.
- Class 938. The theatre and the drama. The stage. Plans and models of stages and theatres. History of the drama, so far as can be shown by literary record. Portraits of actors. Relics of actors. Playbills, etc. Appliances of illusion, etc. Plays of all ages and peoples.

### DEPARTMENT M.

#### ETHNOLOGY, ARCHÆOLOGY, PROGRESS OF LABOR AND INVENTION.

##### GROUP 172.

##### WOMAN'S WORK.

##### GROUP 174.

##### THE NORTH AMERICAN INDIAN.

- Class 959. Villages or families of various tribes engaged in their native occupations.
- Class 960. Specimens of their special work and industries. Collections of Indian "trinkets" or curiosities.

##### GROUP 175.

PORTRAITS, BUSTS AND STATUES OF GREAT INVENTORS, AND OTHERS WHO HAVE CONTRIBUTED LARGELY TO THE PROGRESS OF CIVILIZATION AND THE WELL-BEING OF MAN.

## GROUP 176.

## ISOLATED AND COLLECTIVE EXHIBITS.

Class 968. Special collective exhibits.

## DEPARTMENT N.

## FORESTRY, FOREST PRODUCTS.

- Class 99. Logs and sections of trees; samples of wood and timber of all kinds generally used in construction or manufactures, either in the rough or hewed, sawed or split, including square timber, joists, scantling, plank and boards of all sizes and kinds commonly sold for building purposes. Also ship timber, as used in ship-building, or for masts and spars; piles, timber for fencing, for posts, for paving or for timbering mines. Miscellaneous collections of wood.
- Class 100. Worked timber or lumber, in form of clapboards, shingles, sheathing or flooring, casings, moldings, stair rails or parts of furniture.
- Class 107. Seeds and fruits for ornamental purposes; vegetable iron, coquilla nuts, cocoa-nut shells, ganitrus beads, bottle gourds, etc.
- Class 111. Basket industry—willow ware, etc.
- Class 112. Rattan, bamboo and cane work in part.
- Class 113. Forest botany—distribution of forests, of genera, of species (maps).  
Wood sections and herbarian specimens of the economically important timber trees.  
Seed collections, not herbarium, etc.  
Illustrations of forest growth, typical trees, botanical features.  
Anatomy and structure of woods. (Veneer sections and photo-micrographs.)  
Peculiarities of forest growth—cypress-knees, burls.  
Diseases of forest trees and timber. Injurious insects.



# WOMAN'S BUILDING.

## UNITED STATES.

Agriculture—Horticulture.

### DEPT. A.—AGRICULTURE.

#### GROUP 1.

Cereals, Grasses and Forage Plants.

Exhibit No.	Class'n No.
1. Women of Sioux City, Iowa. Corn Palace.	N. wing, D-E, 3-4 2

#### GROUP 2.

Bread, Biscuits, Pastes, Starch, Gluten, etc.

1a. Mapp, Mrs. Mary E., Milledgeville, Ga. Bread raiser.	Inv. room 12
1b. Saunders, Mrs. Carrie W., Saginaw, Mich. Baking powder.	Mod. kit. 12
2. Thompson, Mrs. D. S., Chicago. Baking powder.	Mod. kit. 12

#### GROUP 3.

Sugars, Syrups, Confectionery, etc.

2a. Brown, Mrs. Brainard, Helena, Mont. Honey.	Mod. kit. 26
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#### GROUP 7.

The Dairy and Dairy Products.

3. Romney, Mrs. C. W., Chicago. Milk cooler and refrigerator.	Inv. room 44
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#### GROUP 8.

Tea, Coffee, Spices, Hops and Aromatic and Vegetable Substances.

1. Massiah, Fannie, Cairo, Ill. Chocolate and coffee.	N. W. stairway 45
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#### GROUP 9.

Animal and Vegetable Fibres.

1. Hammond, Julia B., Beech Island, S. C. Bale of cotton.	N. wing D-E, 3 53
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Exhibit No.	Class'n No.
6. McKee, Anita H., Jackson, Miss. Cotton raised by women.	N. wing D-E, 3-4 53
7. Stone, Mrs. John M., Jackson, Miss. Cotton.	N. wing D-E, 3-4 53
7a. Temple, Mrs. Justus, Waynesburg, Pa. Wool in the fleece and stuffed sheep from Green county, Pa.	Pro. room 60
7b. Women of Utah. Silk exhibit of the territory.	Pro. room 61

#### GROUP 14.

Farms and Farm Buildings.

7c. Shreve, Ainette E., Trenton, N. J. Animal fountain cup.	Inv. room 82
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### DEPT. B.—HORTICULTURE.

#### GROUP 21.

Pomology, Manufactured Products, Methods and Appliances.

8. Hatch, Miss L. H., Fresno, Cal. Raisins.	Mod. kit. 139
9. Moore, Mrs. Lawrence, Mobile, Ala. Fig preserves.	Mod. kit. 140
10. Rowland, Mrs. Sallie E., St. Louis. a Preserves.	Mod. kit. 140
b Jams and apple butter.	Mod. kit. 141
11. Sutherland, Mrs. Wm., White Sulphur Springs. a Preserves.	Mod. kit. 140
b Jellies, etc.	141
12. Thompson, Mrs. C. V., Chicago. Home-made fruit wines.	Mod. kit. 143

#### GROUP 22.

Floriculture.

12a. Anderson, Miss, Biloxi, Miss. Native flowers of Mississippi.	Sci. ro
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## Horticulture, Live Stock, Fish and Fisheries, Mines and Mining.

- | Exhibit No.  | Class'n No.   |
|--|---------------|
| 14. Columbian Exhibition Ass'n for Lewis and Clark counties, Montana. Pressed flowers. | Sci. room 167 |
| 15. Crowley, Mrs. A. M., Evanston, Ill. Prepared botanical specimens.                  | Sci. room 164 |
| 15b. Fitch, L. A., Butte, Mont. Flora of Montana.                                      | Sci. room 164 |
| 16. Haynes, Kate E., Coldwater, Mich. Jardiniere.                                      | 169           |
| 17. Lancing, Alida P., Denver, Col. Flora of Colorado.                                 | Sci. room 164 |
| 18. March, Mrs. Jeannette B., Baltimore. Portable window garden.                       | 169           |
| 19. Moore, Jennie H., Butte, Mont. Floral pillar.                                      | Sci. room 167 |
| 20. Oregon Women, Portland, Ore. Oregon ferns and mosses.                              | Sci. room 160 |
| 21. Stillwell, May I., Deadwood, S. Dak. Pressed flowers.                              | Sci. room 167 |
| 22. Strong, Harriet W. R., Whittier, Cal. Pampas plumes.                               | Ex. room 165  |
| Patented dams and storage reservoirs, and pampas palace in California Building.        |               |
| 23. Ware, Emma J., Philipsburg, Mont. Montana wild flowers, mounted.                   | Sci. room 164 |
| 24. Webb, Mrs. H. Walter, New York. Collection of mounted ferns.                       | Sci. room 160 |
| 24a. Women of the Colorado Board. specimens of Colorado wild flowers.                  | Sci. room 164 |
| Alida P. Lansing, botanist. Verified by Alice Eastwood.                                |               |
| 25. Zoncada, Mrs. E. A., New York. Skeleton leaves and flowers.                        | Sci. room 164 |

## GROUP 28.

## Culinary Vegetables.

- |  |                 |
|--|-----------------|
| 25a. Bulkley, Mrs. J. L., Upper Alton, Ill. Mango chutney.                       | Mod. kit. 177   |
| 26. Rowland, Mrs. Sallie E., St. Louis. Catsup.                                  | Mod. kit. 177   |
| 27. Straus, Mrs. Elise, St. Louis. Sweet potato flour and evaporated vegetables. | Corn palace 176 |

## DEPT. C.—LIVE STOCK.

## GROUP 34.

## Poultry and Birds.

- |   |               |
|---|---------------|
| 27a. Jones, Miss Virginia, Circleville, Ohio. Hand painted plates of nests and eggs of birds found in Ohio. | Sci. room 230 |
| 28. Linsley, Mrs. L. F., Minneapolis, Minn. Group of prairie chickens.                                      | Sci. room 230 |

- | Exhibit No.  | Class'n No.   |
|--|---------------|
| 29. Williams, Mrs. Violet S., Coralville, Iowa. Case of mounted birds. | Sci. room 230 |

## GROUP 35.

## Insects and Insect Product.

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|---|---------------|
| 29a. Clarke, Miss Cora H., Jamaica Plain, Mass. Caddis worms. | Sci. room 235 |
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## GROUP 36.

## Wild Animals.

- |  |               |
|--|---------------|
| 30. Lewis and Clarke Counties Columbian Ass'n, Helena, Mont. Taxidermy.  | Sci. room 236 |
| 31. Williams, Mrs. Violet S., Coralville, Iowa. Case of mounted animals. | Sci. room 236 |

## DEPT. D.—FISH AND FISHERIES.

## GROUP 37.

## Fish and Other Forms of Aquatic Life.

- |   |               |
|---|---------------|
| 32. Howe, Mimmie, Des Moines, Iowa. Collection of mounted slime moulds. | Sci. room 240 |
| 33. Jones, Mrs. Ellen H., Estrella, Cal. Sea mosses.                    | Sci. room 240 |
| 33a. Sheldon, Mrs. E. Henry, Chicago. Sea mosses from the Pacific.      | 240           |
| b Shells from the Pacific.  | 243           |

## GROUP 38.

## Sea Fishing and Angling.

- |  |                        |
|--|------------------------|
| 34. Fisherwomen of New Jersey. Collection of fish nets.        | President's office 251 |
| 34a. Reed, Edith, Eau Claire, Wis. Net for kitchen decoration. | President's room 251   |

## DEPT. E.—MINES AND MINING.

## GROUP 42.

## Minerals, Ores, Native Metals, Gems and Crystals. Geological Specimens.

- |  |               |
|--|---------------|
| 35. Davidson, Mrs. A. D., Oberlin, Ohio. Fossils, minerals and geological specimens. | Sci. room 291 |
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## Mines and Mining, Machinery, Transportation.

Exhibit No.	Class'n No.
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35a. Oberlin, Mrs. Davidson, Oberlin, Ohio. Geological collection.	Sci. room 291
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36. Women of the Black Hills, Deadwood, S. Dak. Collection of minerals.	Sci. room 290
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36a. Women of Montana. Gold, silver and copper nail used by Mrs. Palmer at the dedication of the Woman's Building. In Mineral-Palace casket.	Conn. room 291
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36b. Women of Nebraska. Silver hammer used by Mrs. Palmer at the dedication of the Woman's Building. In Mineral Palace casket.	Conn. room 291
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36c. Women of Pueblo, Col. Miniature Mineral Palace.	Conn. room 291
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Constructed of silver, gold and alabaster. Presented for dedication ceremonies of Woman's Bld'g by the women of Pueblo, Col. Fac-simile of Mineral Palace located in Pueblo; the repository for fine mineral exhibits of the state. Casket contains "Montana Nail" and "Nebraska Hammer."

## GROUP 44.

## Building Stones, Marbles, Ornamental Stones and Quarry Products.

37. Women of Gunnison County, Colorado. Granite column for electric light.	W. vest. 296
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37a. Women of Rico, Colorado. Carved seat of red sandstone.	W. vest. 296
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## GROUP 45.

## Grinding, Abrading and Polishing Substances.

38. Myers, Mrs. Laura H., Chicago. Silver polish.	Pro. room 297
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## GROUP 47.

## Limestone, Cements and Artificial Stone.

39. Brown, Mrs. Emma O., Syracuse, N. Y. Cement.	309
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## GROUP 67.

## History and Literature of Mining and Metallurgy.

40. Women in Surveyor General's Office, Denver, Col. Mining plats.	Sci. room 412
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## DEPT. F.—MACHINERY.

## GROUP 72.

## Machinery for the Manufacture of Textile

## Fabrics and Clothing.

Exhibit No.	Class'n No.
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41. Bachmann, Sophie E., Chicago. Portable weaving machine.	Pro. room 436
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42. Shepard, Mrs. Jennie A., Portland, Ore. Yarn reel.	Inv. room 436
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## GROUP 77.

## Miscellaneous Hand Tools, Machines and Apparatus Used in Various Arts.

43. Colvin, Margaret P., Battle Creek, Mich. Washing machine.	Inv. room 484
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44. Day, Mary J., Newburg, N. Y. Waist and sleeve pressing board.	Inv. room 484
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45. Goodwin, Ella, Chicago. Washing machine.	Inv. room 484
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45a. Howell, Mrs. Elizabeth, Maryville, Mo. Pleating machine.	Inv. room 486
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45b. Kellogg, Mrs. Martha E., Battle Creek, Mich. Tracing wheel.	Inv. room and N. wing D-E, 3 486
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46. Ring, Miss F. E., Westfield, Mass. Steam pressing and ironing board.	Inv. room 484
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## GROUP 78.

## Machines for Working Stone, Clay and Other Minerals.

47. Fitch, Mrs. Nancy M., Springfield, Ohio. Kilns for firing decorated china.	Pro. room 492
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48. Hall, Fanny E., New York. Gas kiln for firing china and glass.	Pro. room 492
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## DEPT. G.—TRANSPORTATION.

## GROUP 80.

## Railways, Railway Plant and Equipment.

49. Armstrong, Geneva, Chicago. Model of a stock car.	Inv. room 500
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50. Kelley, Miss Caroline B., Wilmington, Del. Section of decorated ceiling for railway car.	N. W. stairway 500
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51. Romney, Mrs. C. W., Chicago. Foot stone for compartment cars.	Inv. room 500
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51a. Skerrett, Margaret E., <del>Chicago</del> . Car step and barrier.	Inv.
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## Transportation, Manufactures.

## GROUP 81.

## Street Car and Other Short Line Systems.

- | Exhibit No.   | Class No.     |
|---|---------------|
| 52. Bailey, Anna E., Chicago. Warming device for protecting street car drivers. | Inv. room 506 |

## GROUP 88.

## Vehicles and Methods of Transportation on Common Roads.

- |  |               |
|--|---------------|
| 52a. Chilton, Annie H., Baltimore. Horse detacher and brake. | Inv. room 522 |
| 53. Simmons, Mrs. Adelaide L., Kenosha, Wis. Saddles.        | Inv. room 523 |

## GROUP 84.

## Aerial, Pneumatic and Other Forms of Transportation.

- |  |               |
|--|---------------|
| 54. Tracy, Mrs. Harriet R., New York. Model of elevator. | Inv. room 527 |
|--|---------------|

## GROUP 85.

## Vessels, Boats—Marine, Lake and River Transportation.

- |   |               |
|---|---------------|
| 55. Blue Anchor Society, New York. Relief work done by women for wrecked sailors. | Edu. room 534 |
| 56. Coston, Martha J., New Brighton, N. Y. Night signals.                         | Edu. room 534 |

## DEPT. H.—MANUFACTURES.

## GROUP 87.

## Chemical and Pharmaceutical Products—Druggists' Supplies.

- |   |               |
|---|---------------|
| 57. Coit, Frances H., Chicago. Fruit laxative.                | Pro. room 547 |
| 58. Simmons, Mrs. Adelaide L., Kenosha, Wis. Toilet articles. | Pro. room 549 |
| 58a. Twining, Ida H., Evanston, Ill. Tooth powder box.        | Inv. room 548 |

## GROUP 89.

## Typewriters, Paper, Blank Books, Stationery.

- |   |                     |
|---|---------------------|
| 59. Colwell, E. G., Providence, R. I. Samples of wall paper.        | Edu. room 563       |
| 59a. Reed, Mrs. Elmer, Mahanoy City, Pa. Anthracite coal ink stand. | N. wing, A, 8-9 564 |

## GROUP 90.

## Furniture of Interiors, Upholstery and Artistic Decoration.

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|--|---------------|
| 60. Barr, Mary L., Indianapolis, Ind. Folding bed. | Inv. room 567 |
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## Exhibit No.

## Class No.

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|--|---------------------|
| 61. Carter, Miss, Louisville, Ky. Decorative treatment of Kentucky room in Woman's Building.                         | 572                 |
| 62. Frindlander, Sophia B., Chicago. Boudoir of furniture in pyrographic painting.                                   | Ex. room 567        |
| 63. Galvan, Mrs. Sarah M., New York. Painted screen.   | 572                 |
| 63a. Hamilton, Mrs. Catherine M., Decatur, Ill. Convertible chair.   | Inv. room 565       |
| 64. Howell, Mrs. Elizabeth E., Marysville, Mo. Self-waiting table.   | Inv. room 566       |
| 64a. Hughes, Mrs. Emma, Wichita, Kas. Adjustable tables.   | Inv. room 566       |
| 65. Ladies' Committee of Mobile, Ala. Artistic furnishing of platform in assembly room.                              | 572                 |
| 66. Ladies of Santa Fe County, Santa Fe, N. M. Table inlaid with gold and silver engraved plates, jewels, ores, etc. | Rot. S. Centre 566  |
| For sale \$3,000 for benefit Woman's Board of Trade Public Library Assn, Santa Fe, N. M.                             |                     |
| 67. McCandless, Mary E., Pittsburg, Pa. Screen.  | Conn. room 572      |
| 67a. Milliken, Miss Annie, Chicago. Folding chair.   | Inv. room 565       |
| 69. Moore, Mrs. Lou G., Saginaw, Mich. Rustic cabinet.   | Rec. room 567       |
| 70. Neal, Miss S. C., New York. Model of baby's crib.  | Inv. room 567       |
| 71. Pitman, Agnes, Cincinnati. Decorative treatment of managers' parlor in Woman's Building.                         | 572                 |
| 73. Sheldon, Miss E. B., Hartford, Conn. Decorative treatment of Connecticut room in Woman's Building.               | 572                 |
| 74. Simmons, Mrs. Adelaide L., Kenosha, Wis. Folding beds.   | Inv. room 567       |
| 75. Turkish Compassionate Fund, New York. Curtains, portieres, etc.  | N. wing, D-E, 6 568 |
| 76. Waite, Mrs., San Francisco. Decorative treatment of California room in Woman's Building.                         | 572                 |
| 77. West, Mrs. M., Chicago. Satin portiere.  | 568                 |
| 78. Wheeler, Candace, New York. Decorative treatment of library in Woman's Building.                                 | 572                 |

## GROUP 91.

## Ceramics and Mosaics.

- |  |                   |
|--|-------------------|
| 78a. Abel, Miss Mary, Milwaukee, Wis. Decorated jug. | N. wing, D, 8 576 |
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## Manufactures.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
78b. Adams, M. Isabelle, Chicago.	Decorated china. N. wing, C, 10	90. Crockett, Mrs. I. B., Chicago.	Decorated china. 577
78c. Aldrich, Miss Addie, Cincinnati.	Decorated porcelain. Cinn. room 577	90a. Cross, Mrs. N., Chicago.	Decorated china. N. wing, D, 8 577
78d. Anderson, Louise C., Chicago.	Decorated porcelain. N. wing, D, 10 577	90b. Daniels, Mrs. Frank, Kearney, Neb.	Decorated vase. N. wing, A-C, 7-8 576
78e. Anthony, Miss N., Cincinnati.	Decorated porcelain. Cinn. room 577	90c. Dart, C., Cincinnati.	Decorated porcelain. Cinn. room 577
78f. Bailey, Mrs. B. G., Cincinnati.	Decorated porcelain. Cinn. room 577	90d. Decorative Art Society of New Jersey, Newark, N. J.	Decorated china. N. wing B, 10 577
78g. Banks, Miss Frances M., Cincinnati.	Decorated porcelain. Cinn. room 577	91. Dibble, Mabel C., Chicago.	Decorated china. N. wing, D, 10 577
79. Barnes, Clara M., New Haven, Conn.	Punch bowl. 576	91a. Dodd, Mrs. Wm., Cincinnati.	Decorated china. N. wing, D, 10 577
80. Beaman, Miss, Wilmington, Del.	China plate. N. wing, A-C, 9 576	92. Dodge, Anna S., Milwaukee, Wis.	Decorated porcelain. Cinn. room 577
80a. Beppler, Miss E., Cincinnati.	Decorated porcelain. Cinn. room 577	92a. Dominick, Mrs. Geo., Cincinnati.	Decorated porcelain. Cinn. room 577
80b. Betts, Elizabeth E., New Hope, Pa.	Decorated plate. N. wing, A, 8-9 577	92b. Downing, Mrs. R. L., Kearney, Neb.	Decorated vase. N. wing, A-C, 7-8 576
80c. Bigney, Miss Cora, Cincinnati.	Decorated porcelain lamp. Cinn. room 577	93. Dutcher, Mrs. Anna M. H., St. Louis.	Painted porcelain vase. 577
80d. Bonloey, Miss C., Cincinnati.	Decorated porcelain. Cinn. room 577	94. English, H. St. B., Los Angeles, Cal.	Decorated china jardiniere. N. wing, B, 10 577
80e. Boye, Miss Anna, Cincinnati.	Decorated porcelain. Cinn. room 577	95. Ferguson, Miss H. C., Cincinnati.	Decorated porcelain. Cinn. room 577
81. Bray, Miss Ollie, Carson City, Nev.	Decorated china. N. wing, E, 9 576	95a. Fischer, Mrs. Rudolph, Cincinnati.	Decorated porcelain. Cinn. room 577
81a. Brown, Mrs. Barnard, Helena, Mont.	Brush and comb tray. N. wing, A, 7 576	95b. Fish, Mrs., Butte, Mont.	Pitcher, cup and saucer 125 years old. N. wing, A, 7 576
81b. Bunnell, Mrs. L. P., Helena, Mont.	Plate. N. wing, A, 7 576	96. Flint, Henrietta O., Highland Park, Ill.	Decorated tile. 578
81c. Burrell, Mrs. L. B., Helena, Mont.	Decorated plate. N. wing, A, 7 576	96a. Foster, Marie B., Chicago.	Decorated porcelain. N. wing, D, 10 577
82. Butterfield, Mellona, Omaha, Neb.	Jardiniere with roses. N. wing, B, 7-8 577	96b. Frackelton, Mrs. S. S., Milwaukee, Wis.	Decorated porcelain. N. wing, D, 8 577
84. Bye, Rosalie P., Wilmington, Del.	Plates and toilet set. N. wing, A-C, 9 576	97. Frisbie, Mrs. M. A., Hartford, Conn.	Jardiniere, plates, etc. N. wing, B, 10 576
84a. Cairns, Mrs., Cincinnati.	Decorated porcelain. Cinn. room 577	97a. Fry, Miss Laura A., Cincinnati.	Decorated porcelain. Cinn. room 577
84b. Chicago Exchange for Woman's Work, Chicago.	Decorated porcelain. N. wing 577	97b. Gilbert, Mrs. Geo. I., Omaha, Neb.	Decorated vase. N. wing, A-C, 7-8 576
85. Christian Woman's Exchange, New Orleans.	Decorated china. N. wing, D 577	97c. Goshorn, Miss Eugenia, Cincinnati.	Decorated porcelain. Cinn. room 577
86. Cincinnati Pottery Club, Cincinnati.	Overglaze decoration on porcelain. N. wing, C-10 and Cinn. room 577	97d. Greene, Mrs. Mary B., Zanesville, O.	Decorated china. N. wing, F, 9 576
87. Clarke, Eva L., South Bend, Ind.	Hand painted china. N. wing, B, 10 577	97e. Greenleaf, Nellie de C., Chicago.	Decorated porcelain. N. wing, D, 10 577
87a. Cneph Company, Orange, N. J.	Decorated china. N. wing, B, 10 577	97f. Greenleaf, Mrs. Walter, Chicago.	Decorated plaques. N. wing, D, 10 577
88. Cole, Lillie E., Chicago.	Decorated porcelain ware. N. wing, D, 10 577	97g. Greenwald, Miss M. T., Cincinnati.	Decorated porcelain. Cinn. room 577
88a. Coles, Miss C. S., Haddenfield, N. J.	Painted china jar. N. wing, B, 10 577	97h. Hall, Miss F. A., New York	rated tray. N. wing,
89. Columbian Ceramic Society, Chicago.	Ceramic work. 576		

## Manufactures.

Exhibit No.	Class'n No.		Exhibit No.	Class'n No.	
98.		Hall, Fanny E., New York. Decorated china ware. Pro. room 577	105a.		L'Hommedieu, Mrs. Florence, Cincinnati. Decorated cup and saucer. Cinn. room 577
98a.		Hamilton, Mrs. L. J., Butte, Mont. Decorated salad dish and rose jar. N. wing, A, 7 577	105b.		Linn, Miss Mary F. Zanesville, Ohio. China tea set. N. wing, F, 9 576
98b.		Hammund, Miss Louise, Butte, Mont. Rose bowl. N. wing, A, 7 576	105c.		Lord, Miss C. E., Cincinnati. Decorated porcelain. Cinn. room 577
98c.		Hand, Miss Gertrude, Wilkes-Barre, Pa. Decorated jardiniere. N. wing, A, 10 577	106.		Mann, Cornie H., Chicago. Decorated porcelain. N. wing, D-10 and N. Y. Lib. 577
98d.		Hapeman, Mrs. H. H., Mindon, Neb. Decorated plates. N. wing, A-C, 7-8 576	107.		Marple, Miss Mary, Bridgeport, Pa. Decorated china plaque. N. wing, A, 10 577
98e.		Hawley, Miss, Reading, Pa. Decorated plate. N. wing, A, 8-9 577	107a.		McLaughlin, Miss M. Louise, Cincinnati. Decorated porcelain. Cinn. room 577
98f.		Hayes, Miss Carrie L., Columbus, Ohio. Decorated china. N. wing, F, 10 576	107b.		Merriam, Mrs. A. B., Cincinnati. Decorated vase. Cinn. room 577
98g.		Haynes, K. B., Coldwater, Mich. Decorated jardiniere. N. wing, A, 10 576	107c.		Milestone, Miss Ethel, Omaha, Neb. Decorated vase. N. wing, A-C, 7-8 577
99.		Healey, Mary and Emily, Washington, D. C. Gold covered porcelain. N. wing, C-D, 10 577	108.		Miller, C. J., Peoria, Ill. China tray. N. wing, A, 10 576
99a.		Highmon, A., Detroit, Mich. Decorated plaque and salad bowl. 576	108a.		Mitchell, Mrs. C. A., Omaha, Neb. Ogalia jardiniere. N. wing, A-C, 7-8 577
99b.		Holabird, Miss Alice B., Cincinnati. Decorated porcelain. Cinn. room 577	109.		Morey, Mrs. Chas. F., Hastings, Neb. Royal Berlin jardiniere. N. wing, B, 7-8 576
99c.		Holcombe, L. W., New York. Decorated jug. N. wing, D, 8 576	109a.		Morrill, Mrs. M., Omaha, Neb. Decorated chop plate. N. wing, A-C, 7-8 576
99d.		Hughes, Miss M., Cincinnati. Decorated porcelain. Cinn. room 577	109b.		Murdoch, Mrs. J. R., Cincinnati. Decorated china. Cinn. room 577
100.		Ireland, Mrs. Emma, Warsaw, Ind. Decorated china. N. wing, B and D, 10 577	109c.		Newton, Miss Clara C., Cincinnati. Decorated porcelain. Cinn. room 577
100a.		Jones, Miss Margaret, Hastings, Neb. Bonbon in raised gold and jewels. N. wing, A-C, 7-8 577	109d.		Noyes, Mrs. E. F., Cincinnati. Plates decorated with portraits of famous women. Cinn. room 577
101.		Julian, Nellie I., Indianapolis, Ind. Decorated china. N. wing, B, 10 577	110.		O'Shaunessey, Miss Lucy, Cincinnati. Sevres and wedgewood cups and saucers. Cinn. room 576
102.		Junor, Miss Kate, Boston. Porcelain panels, plaques, trays, etc. 576	110a.		Palmer, Mrs. R. H., Mindon, Neb. Decorated cup, saucer and plates. N. wing, A-C, 7-8 577
102a.		Justice, Miss Esther B., Yardley, Pa. Decorated plates. N. wing, A, 8-9 577	110b.		Patterson, Miss Amelia B., Salem, N. J. Decorated plate. N. wing, B, 10 577
102b.		Kittredge, Emma A., Chicago. Decorated porcelain. N. wing, D, 10 577	110c.		Peachey, Miss Helen, Cincinnati. Decorated porcelain. Cinn. room 577
103.		Kline, Esther, Wilkes-Barre, Pa. Decorated jardiniere and plaque. N. wing, A, 10 577	111.		Peck, Grace H., Chicago. Decorated porcelain chocolate set. N. wing, D, 10 577
103a.		Ladue, M. L., Detroit, Mich. Cup, saucer and rose jar. 577	111a.		Perfect, Mrs., Omaha, Neb. Royal Berlin tray. N. wing, A-C, 7-8 577
104.		Lannoy, Mr. F. de, Chester, Pa. China plates. N. wing, A, 8-9 576	111b.		Phelps, Anna B., Wilkes-Barre, Pa. Painted porcelain plaque. N. wing, A, 8-9 577
104a.		Le Boutellier, Mrs. Arthur, Cincinnati. Decorated porcelain. Cinn. room 577	111c.		Phillips, Mrs. L. V., Omaha, Neb. Plate with roses. N. wing, A-C, 7-8 577
104b.		Leonard, Mrs. E. G., Cincinnati. Decorated porcelain. Cinn. room 577	112.		Phillips, Mary A., Helena, Mont. Decorated china. N. wing, A, 7 577
105.		Lewis and Clarke Columbian Exhibition Association, Helena, Mont. China painting. 577			

## Manufactures.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
13. Pickett, Mrs. Laura M., St. Louis.		118. Thompson, Zerlina C., St. Louis.	
Porcelain painting.	577	Painted porcelain fancy articles; jardiniere.	577
13a. Pitman, Miss Agnes, Cincinnati.		118a. Torreyson, J., Carson City, Nev.	
Vase carved in the clay.		Decorated china.	N. wing, E, 9 576
	Cinn. room 575	118b. Tout, Mrs. J. L., Kearney, Neb.	
13b. Pitman, Mrs. Benn, Cincinnati.		Bonboniere.	N. wing, A-C, 7-8 577
Decorated vases.	Cinn. room 576	119. Van Vechten, Mrs. Fannie, Cedar Rapids, Iowa.	
13c. Plymouth, Mrs. C. A., Cincinnati.		Decorated china.	
Historical collection of decorated porcelain.	Cinh. room 577		N. wing, A-B, 10 577
13d. Pratt, Mrs. E. H., Chicago.		119a. Veau, Miss M., New York.	
Decorated vases.	N. wing, D, 8 577	Cup and saucer.	N. wing, D, 8 577
13e. Ransom, Miss M., Chicago.		119b. Walker, Miss W. E., Chicago.	
Decorated hand glass.	N. wing, D, 8 576	Decorated plates.	N. wing, D, 8 576
13f. Raymond, Mrs. Carlotta, Cincinnati.		120. Walker, Miss Mary E., Flushing, N. Y.	
Decorated vase.	Cinn. room 576	a China fruit service.	576
13g. Raymond, E. L., East Orange, N. J.		b Porcelain tiles.	578
Decorated china.	N. wing, B, 10 576	120a. Walworth, Mrs. Warren W., Butte, Mont.	
13h. Rice, Miss Julia, Cincinnati.		Vase.	N. wing, A, 7 576
Decorated pitcher.	Cinn. room 577	120b. Weighell, Miss M. E., Cincinnati.	
13i. Richard, Miss H., Cincinnati.		Decorated porcelain.	Cinn. room 577
Decorated porcelain.	Cinn. room 577	120c. White, Miss Emma G., Portland, Ore.	
13j. Richardson, Mrs. Ellen A., Boston.		Decorated game and fish platters.	
a Decorated vases.			N. wing, A, 7 577
	N. wing, D, 9-10 577	120d. White, Miss Jennie S., Cincinnati.	
b Under-glaze Limoges tiles.		Decorated plaque.	Cinn. room 576
	Conn. room and N. wing, D, 9-10 578	121. White, Mrs. M. E., Butte, Mont.	
13k. Riis, Miss A., Cincinnati.		Decorated china.	577
Decorated porcelain.	Cinn. room 577	122. Whitney, Mamie P., Pottsville, Pa.	
13l. Schmid, Miss L., Cincinnati.		Chocolate pot, cups and saucers.	
Decorated porcelain.	Cinn. room 577		N. wing, A, 10 576
13m. Seaforth, Miss Madge, Pittsburg, Pa.		123. Wickes, Mrs. Ellen P., Englewood, N. J.	
Decorated plates.	N. wing, A, 10 577	China plaque and plates.	
13n. Sears, Miss, Trenton, N. J.			N. wing, A, 10 576
Intaglio vase.	N. wing, B, 10 577	123a. Williams, Miss Agnes B., New Hope, Pa.	
13o. Seidenberg, Miss Anna, Cincinnati.		China plates.	N. wing, A, 8-10 576
Decorated porcelain.		124. Winterbotham, Ruth M., Eau Claire, Wis.	
Cinn. room and N. wing F, 9 and D, 10 577		Modeled tiles.	N. wing, B, 7 578
13p. Sherratt, Mrs. M. J., Washington, D. C.		124a. Woebler, Emma, Cincinnati.	
Decorated china.	N. wing, C, 9 577	Decorated porcelain.	Cinn. room 577
13q. Simeral, Mrs. Wm., Omaha, Neb.		124b. Woman's Work (Self Supporting) Exchange, St. Paul, Minn.	
Decorated cups.	N. wing, A-C, 7-8 577	Decorated china.	N. wing, D-E, 10 577
13r. Smith, Mary M., Washington, Conn.		124c. Worthington, Miss E. D., Cincinnati.	
Decorated ice cream platter.	577	Decorated plate.	Cinn. room 577
13s. Spang, Mrs. Isaac Y., Reading, Pa.			
Decorated china.	N. wing, A, 10 576		
13t. Spindler, Mrs. Mattie, Dayton, Ohio.			
Decorated china.	N. wing, F, 9 576		
13u. Spineing, Miss M. A., Cincinnati.			
Decorated bonbonieres.	Cinn. room 577		
13v. Storer, Mrs. Maria L., Cincinnati.			
Decorated porcelain.	Cinn. room 577		
13w. Taylor, Mrs. M. D., Philadelphia.			
Decorated china.	N. wing, A, 10 576		
13x. Tatem, Mrs. B. H., Helena, Mont.			
Decorated vase.	N. wing, D, 8 576		
13y. Thompson, Augustine, St. Louis.			
Painted china fancy articles.	577		

## GROUP 92.

Marble, Stone and Metal Monuments, Mausoleums, Mantels, Etc. Caskets, Coffins and Undertakers' Furnishing Goods.

125. Ladies of Selma, Ala.	Carved stone chair.	Rot. N. W.	582
126. McClung, Mrs. J., Knoxville, Tenn.	Marble wainscoting for western vestibule of Woman's Building.		583
126. Women of Westerly, R. I.	Granite vase.	E. vest.	583

## Manufactures.

## GROUP 93.

## Art Metal Work—Enamels, Etc.

Exhibit No.		Class'n No.
128a.	Bach, Mrs. Isaac, New York. Bronze medal. N. wing, E. 8	585
129.	Hardy, Mrs. A., Beatrice, Neb. Etched brass tablet.	585
130.	Ladies' Flag Committee, Detroit, Mich. Copper statue of girl.	585
130a.	McLaughlin, Miss M. Louise, Cincinnati. Etchings on metal.	Cinn. room 585
130b.	Sheafer, Miss Kate, Mahanoy City, Pa. Engraved monogram on copper.	N. wing, A, 8-9 585
131.	White, Mrs. M. E., Butte, Mont. Burnished copper shield.	585
131a.	Whitney, Miss Anne, Boston. Bronze fountain.	Rot. C. 585
132.	Woman's Relief Corps, Sabetha, Kas. Patriotic badges.	Org. room 585
133.	Women of Michigan. Copper statue of boy.	585

## GROUP 94.

## Glass and Glassware.

134.	Hall, Fanny E., New York. Decorated glassware.	593
134a.	Seidenberg, Miss Anna, Cincinnati. Decorated glassware.	Cinn. room 593
134b.	Weighell, Miss M. E., Cincinnati. Decorated glassware.	Cinn. room 593

## GROUP 95.

## Stained Glass in Decoration.

134c.	Abel, Miss Elizabeth J., Philadelphia. a Two stained glass transoms. Over N. entrance	596
	b Demonstration of stained glass making.	Pro. room 596
134d.	Armstrong, Margaret N., New York. Stained glass. Poppies.	N. wing 596
134e.	Dorris, Anne, Huntingdon, Pa. Stained glass window.	Assem. room 596
134f.	Gibbs, Maud P., Brooklyn, N. Y. Stained glass window.	Conn. room 596
134g.	Herndl, Miss Marie, Chicago. Stained glass window, "The Queen of the Elves."	Ex. room 596
134h.	Woman's Committee of the State of Pennsylvania. Three leaded and stained glass windows.	Assem. room 596
134i.	Young, Bessie, Pittsburgh, Pa. Stained glass screen.	Conn. room 596

## GROUP 96.

## Carvings in Various Materials.

Exhibit No.		Class'n No.
134j.	Alexander, Mrs. Thomas, Franklin, Pa. Carved wood panel.	Rec. room 596
134k.	Alexander, Mary, Minneapolis, Minn. Carved wood panel.	Rec. room 596
134l.	Angered, Mrs. Constance J., Philadelphia. Carved table top, box and paper cutter.	N. wing, A, 8-9 596
134m.	Bascom, Mrs. M. B., Ticonderoga, N. Y. Carved wood panel.	Rec. room 596
134n.	Bates, R. W., Grand Forks, S. Dak. Carved wood panel.	Rec. room 596
134o.	Beaverhead County, Montana, Ladies of. Carved wood panel.	Rec. room 596
134p.	Bentley, M. L., Chicago. Carved wood cabinet.	Ex. room 596
134q.	Bradley, G. W., Bridgeport, Conn. Carved wood panels.	Rec. room 596
134r.	Burnham, Grace S., Cheyenne, Wyo. Carved wood panel.	Rec. room 596
134s.	Cameron, Anna F., Chester, Neb. a Antique oak pedestal.	As. room 596
	b Carved oak panel.	596
135.	Carper, Minnette S., St. Louis. Piano bench decorated in pyrography.	Ex. room 596
136.	Chicago Athenæum Wood Carving School, Chicago. Carved cabinet, chairs, chest, screen, etc.	596
136a.	Chiple, Miss Clara, Pensacola, Fla. Carved wood cabinet.	Ex. room 596
136b.	Clark, Margaret, Mt. Auburn, Ohio. Carved wood panel.	Rec. room 596
137.	Clarke, Annie M., St. Louis. Carved oak writing desk.	596
137a.	Cooley, Mrs. A. D. S., Strawberry Point, Ia. Carved oak panel.	Rec. room 596
137b.	Crane, A. W., Philadelphia. Carved wood panel.	Rec. room 596
137c.	Crawford, M. L., Urbana, Ohio. Carved wood panel.	Rec. room 596
138.	Crowley, Mrs. Belle C., Council Grove, Kas. Carved box.	596
138a.	Cunningham, Miss Annie, Cincinnati. Carving on mahogany piano.	Cinn. room 596
139.	Daniel, Miss Martha, Jackson, Miss. Carved walnut easel, portfolio and panel.	Rec. room 596
140a.	Davis, Laura A., Chicago. Carved wood easel.	596
140b.	Davis, Mrs. M. Carrie, Los Angeles, Cal. Carved wood panel.	Rec. room 596

## Manufactures.

Exhibit No.	Class'n No.
40c. Deaf Mute Institute, Little Rock, Ark. Carved wood panel.	Rec. room 598
40d. Delaney, Mrs. A. K., Juneau, Alaska. Carved wood panel.	Rec. room 598
40e. Demeese, Mrs. L. B., Grand Forks, N. D. Carved panels.	Ex. room 598
40f. Dilley, Mrs., Palestine, Tex. Carved wood panel.	Rec. room 598
40g. Dodd, Mrs. Wm., Cincinnati. Carved walnut table exhibited at Centennial Exposition in 1876.	Cinn. room 598
40h. Egbert, S. R., Philadelphia. Carved wood panel.	Rec. room 598
41. Field, Mrs. Belle D., Jackson, Miss. Hunter's cabinet.	598
41a. Fischer, Mrs. Lilly F., Cincinnati. Carved oak writing table.	Cinn. room 598
41b. Friedland, Miss Sophie, Chicago. Wooden mantel and table decorated in pyrography.	Ex. room 598
41c. Fruett, Mrs. Mary E., Cincinnati. Wood carving.	Cinn. room 598
41d. Fry, Miss Laura A., Cincinnati. Carving on mahogany piano.	Cinn. room 598
42. Gardner, M. Louise, Chicago. Demi-relief on polished wood.	598
42a. Green, Mary E., Charlotte, Mich. Carved wood panels.	Rec. room 598
42b. Hall, Miss Elizabeth, Monroe, Mich. Carved wood panel.	Rec. room 598
42c. Halliwell, Mrs. H. W., Philadelphia. Carved wood panels.	Rec. room 598
42d. Hallowell, Dora, Philadelphia. Carved wood panels.	Ex. room 598
42e. Harris, Mrs. C. H., Jackson, Mich. Carved chair.	Ex. room 598
42f. Hasenwinkle, Miss Madelaine, St. Paul, Minn. Carved white maple table.	Conn. room 598
42g. Hazen, Miss Ida, Denver, Col. Carved wood panel.	Rec. room 598
42h. Heuermann, Magda M., Chicago. Pyrographic work.	Ex. room 598
42i. Hill, Miriam, Stonington, Conn. Carved wood panel.	Rec. room 598
42j. Hill, Mrs. J., Portland, Ore. Carved wood panel.	Rec. room 598
42k. Houghton, Mrs., Spokane, Wash. Carved wood panel.	Rec. room 598
42l. Isenburg, Miss Mabel R., Ventura, Cal. Carved wood panel.	Rec. room 598
42m. James, Blanche, Kansas City, Mo. Carved wood panel.	Rec. room 598
42n. King, Mrs. P. R., Chicago. Carved jewel case.	598
42o. Kiehl, A. J., Philadelphia. Carved wood panel.	Rec. room 598

Exhibit No.	Class'n No.
145b. Kinsey, A. L., Philadelphia. Carved wood panel.	Rec. room 598
146. Korvin-Pogosky, Mme. A., New York. Burnt wood engraving, panels and furniture.	Ex. room 598
147. Kuntze, Miss F. B., Trenton, N. J. Etched silver tray.	601
148. Langworthy, Mrs. E. C., Seward, Neb. Carved oak cabinet.	598
148a. Lathrop, Miss C. L., Northampton, Mass. Carved wood panel.	Rec. room 598
148b. Leonard, Gertrude J., Minneapolis, Minn. Carved wood panel.	Rec. room 598
148c. Lesshaft, Mrs. O., Harrisburg, Pa. Carved wood panel.	Rec. room 598
149. Lipscomb, Miss Lucie, Denver, Col. Carved chair and table.	Ex. room 598
149a. Lockwood, Mrs. L. E. B., Oak Valley, Kas. Carved oak panel.	Rec. room 598
149b. Louthian, Miss Laura A., Pasadena, Cal. Carved wood panel.	Rec. room 598
150. Love, Jeannette C., Muncie, Ind. Carved cabinet.	598
150a. Lyman, Mrs. C. E., Battle Creek, Mich. Carved wood panel.	Rec. room 598
151. Mauran, Julia L., Providence, R. I. a Carved oak chest.	Ex. room 598
b Carved wood panel.	Rec. room 598
151a. McAdam, Mrs. Fannie, Joplin, Mo. Carved wood panel.	Rec. room 598
151b. Mc Auron, Miss Susan, Cincinnati. Wood carving.	Cinn. room 598
151c. McLain, Anna, Urbana, Ohio. Carved wood panel.	Rec. room 598
151d. Miller, Lydia E., Urbana, Ohio. Carved wood panel.	Rec. room 598
151e. Missoula County, Montana, Ladies of. Carved wood panel.	Rec. room 598
151f. Morehead, Mrs. H. B., Cincinnati. Carved easel and fern case.	Cinn. room 598
151g. Mosher, Miss, Covington, Ky. Carved wood panel.	Rec. room 598
151h. Murphy, Miss Louise K., Cincinnati. Carved cherry sideboard and carving on piano.	Cinn. room 598
151i. Nash, Miss Minnie, Cambridge, Ohio. Carved wood panel.	Rec. room 598
151j. Nelson, Mrs. Milton O., Minneapolis, Minn. Carved wood panel.	Rec. room 598
151k. Nixon, Netta, Chicago. Carved wood panel.	Rec. room 598
151l. Noble, Mrs. J. S., Los Angeles, Cal. Carved wood panel.	Rec. room 598

## Manufactures.

Exhibit No.		Class'n No.	
152.	Nordstrom, Mrs. Albertine, Wausau, Wis.		
	a Carved wood panels.		
		Rec. room.	598
	b Carved wood beer set.		
		N. wing, B, 10	598
152a.	Norton, Miss Lillian, Cincinnati.		
	Wood carving.	Cinn. room	598
152b.	Norton, Mary, Montgomery, Ala.		
	Carved panel.	Rec. room	598
152c.	Nourse, Miss Mary, Cincinnati.		
	Wood carving.	Cinn. room	598
152d.	Otter, Marian, Doylestown, Pa.		
	Carved wood panel.	Rec. room	598
152e.	Overhiser, Mrs. S. B., Stockton, Cal.		
	Carved wood panel.	Rec. room	598
152f.	Packard, Mrs. John, Mercer, Pa.		
	Inlaid wood table.	Ex. room	598
153.	Palen, Miss Jeannette, South Orange, N. J.		
	Carved oak cabinet.	Ex. room	598
153a.	Peachey, Miss Kate C., Cincinnati.		
	Carved piano bench and writing desk.	Cinn. room	598
153b.	Philadelphia School of Design for Women, Philadelphia.		
	Carved wood panel.	Rec. room	598
153c.	Pitman, Miss Agnes, Cincinnati.		
	Carved woodwork.	Cinn. room	598
153d.	Pitman, Mrs. Benn, Cincinnati.		
	Carved pedestal.	Cinn. room	598
153e.	Porter, Mrs., Sitka, Alaska.		
	Carved wood panel.	Rec. room	598
153f.	Rasmussen, Mrs. J. C., Rock Island, Ill.		
	Carved chair.	Conn. room	598
153g.	Randall, May A., Locust Valley, N. Y.		
	Carved wood panel.	Rec. room	598
153h.	Rawson, Miss Mary, Cincinnati.		
	Carved oak hall seat.	Cinn. room	598
153i.	Reed, Mrs., Tangipahoa Parish, La.		
	Carved wood panel.	Rec. room	598
153j.	Ricketts, Mrs. B. M., Cincinnati.		
	a Carved flower stand exhibited at Centennial Exposition in 1876.		598
	b Mahogany cabinet.	Cinn. room	598
153k.	Root, E. G. M., Hartford, Conn.		
	Carved wood panel.	Rec. room	598
153l.	Sanson, Miss Nellie, Cincinnati.		
	Carved screen.	Cinn. room	598
154.	Sandhu, Mrs. C. E., Los Angeles.		
	Carved wood panels.	Rec. room	598
155.	Sandhu, Janet, Chicago.		
	Carved wood panel.		598
155a.	Sandhu, Miss E. B., New Haven.		
	Carved wood panel.	Rec. room	598
155b.	Sandhu, Mrs. R. B., Racine, Wis.		
	Carved wood panel.	Rec. room	598

Exhibit No.		Class'n No.	
155c.	Stone, Anna, Jackson, Miss.		
	Carved wood panel.	Rec. room	598
155d.	Sutton, Amelia H., Brooklyn, N. Y.		
	Carved wood panel.	Rec. room	598
155e.	Tiemann, E. C., New York.		
	Carved wood panel.	Rec. room	598
156.	Titus, Amanda C., Chicago.		
	Combined cabinet and book-case, carved.		598
156a.	Travers, Mrs. J. B., Racine, Wis.		
	Carved wood panel.	Rec. room	598
156b.	Tripler, L., Morristown, Pa.		
	Carved wood panel.	Rec. room	598
156c.	Valentine, Mrs. Albert R., Cincinnati.		
	Wood carving.	Cinn. room	598
157.	Van Vechten, Emma, Cedar Rapids, Iowa.		
	Carved oak chest.	Cinn. room	598
158.	Weisel, D. J., Doylestown, Pa.		
	Carved wood panels.	Rec. room	598
158a.	Williams, T. C., Philadelphia.		
	Carved wood panel.	Rec. room	598
158b.	Women of New Haven, Conn.		
	Carved mantel piece.	Conn. room	598
159.	Woolnough, A. E. I., Meckum's River, Va.		
	Burnt wood work.		598
160.	Workman, Miss Annie, Washington, Pa.		
	Carved frame with photographs.	As. room	598
160a.	Younglove, Mary G., Chicago.		
	Carved wood panel.	Rec. room	598

## GROUP 97.

## Gold and Silverware, Plate, Etc.

161.	Albright, Mrs. Frances L., Albuquerque, N. M.		
	Filigree tree with orn. base.		607
162.	Logan, Mrs. S. I., Louisville, Ky.		
	Souvenir spoons.	Inv. room	607
162a.	Officer, Miss Julia, Chicago.		
	Souvenir spoons.	Inv. room	607
163.	Palmer, Miss E. W., Stonington, Ky.		
	Souvenir spoons.	Inv. room	607

## GROUP 98.

## Jewelry and Ornaments.

163a.	Anstoch, Mrs. David, Mahanoy City, Pa.		
	Jewelry made of iron pyrites.		
		N. wing, A, 8-9	614
164.	Magnusson, Mrs. Sigridr E., Iceland.		
	Antique Icelandic jewelry.		
		Pro. room	614
165.	Posey, Sara E., Whitewater, Wis.		
	Wisconsin pearls.		613

## Manufactures.

## GROUP 100.

## Silk and Silk Fabrics.

Exhibit No.		Class'n No.
166.	Associated Artists, New York. N. wing, B-C, 8-9	
a	Silk brocades.	629
b	Sea island plushes; shadow silks.	630
167.	Barron-Buck, Kate D., Salt Lake City, Utah. Silk map of United States. N. E. stairway	630
168.	Rapp, G., Economy, Pa. Women's silk exhibit.	Pro. room
168a.	Women of Utah. Silk exhibit of the territory.	Pro. room

## GROUP 101.

## Fabrics of Jute, Ramie and Other Vegetable and Mineral Fibres.

169.	Associated Artists, New York. Weavings in gold and silk, and silver and silk. N. wing, B-C, 8-9	637
169a.	Major, Mrs. Sarah, Chicago. Straw mat.	Inv. room 635

## GROUP 102.

## Yarns and Woven Goods of Cotton, Linen and Other Vegetable Fibres.

169b.	Dolman, Helen C., Butte, Mont. N. wing, A, 7	
a	Bed spread woven in 1781.	638
b	Linen towel 110 years old.	639
170.	Largey, Mrs. P. A., Butte, Mont. Table linen.	N. wing, A, 7 639
170a.	Wynne, Mrs. E. W., Butte, Mont. Bed ticking.	N. wing, A, 7 638

## GROUP 103.

## Woven and Felted Goods of Wool and Mixtures of Wool.

171.	Betts, Ella H., New York. Absorb-ing dress shield.	Inv. room 647
172.	Guidotti, Mrs. Claudia, Chicago. Infant stomach protector and diaper-holder.	Inv. room 647
173.	Kennedy, Lizzie, Chicago. Rug.	649
174.	Schack, Mrs. Sarah J., Chicago. Abdominal and hose supporter.	Inv. room 647
174a.	Soleliac, Mrs. Louis, Allentown, Pa. Plush lap robe.	N. wing, A, 8-9 642
174b.	Van Gaasbeek & Arkell, New York. Antique Persian rug, made by the daughter of the Shah Habass.	N. gal. 649

## GROUP 104.

## Clothing and Costumes.

Exhibit No.		Class'n No.
175.	Dodge, Mrs. Arthur M., New York. Costume dolls.	N. wing, C, 7 653
176.	Kellogg, Mrs. Martha E., Battle Creek, Mich. Dress stay.	Inv. room and N. wing, D-E, 3 653
177.	Kerr, Mrs. Thomas, Bridgeport, Conn. Infant's knitted cap.	657
178.	Knitting Mills of New York State, Women of the. Collective exhibit of underwear.	Ex. room 657
178a.	Magnusson, Mrs. Sigridr E., Iceland. Hand-spun and knit woolen goods, hosiery and gloves made by Icelandic women.	Pro. room 657
179.	McIlwaine, Miss K. C., Mountain Lake Pass, Md. Infant's long dress.	653
180.	Tracy, Mrs. Harriet R., New York. Sewing machines.	Inv. room 659
181.	Turner, Mrs. L. E., North Fairfield, Ohio. Knit goods.	657

## GROUP 105.

## Furs and Fur Clothing.

182.	Avery, Mary E., Alton, N. H. Feather cloak and cape.	N. wing 662
183.	Davidson, Sophie J., Bismark, N. Dak.	Eth. room
a	Buffalo calf skins tanned by Indian women.	660
b	Buffalo robe tanned by Indian women.	661
184.	Fuller, Mrs. Viola A., Mitchell, S. Dak. Feather opera cloak.	N. wing, D, 3 662

## GROUP 106.

## Laces, Embroideries, Trimmings, Artificial Flowers, Fans, Etc.

184a.	Adae, Mrs. M. T., Cincinnati. Embroidered sofa cushion and table cover.	Cinn. room 669
185.	Adams, Mrs. A. P. P., Shelbyville, Ind. Table mat.	669
186.	Addington, Mrs., Mineral Point, Wis. Honiton lace and cushion.	N. wing, E, 8 664
186a.	Ainsworth, Nellie T., Los Angeles, Cal. Drawn work.	665
187.	Albright, Mrs. Frances L., Albuquerque, N. M. Embroidery and drawn work.	665
188.	Alexander, Mrs. J. F., La Fayette, Ind. Table cloth.	669

## Manufactures.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
188a. Allen, Mrs. Mary, Davenport, Ia.		198c. Bell, Mrs. Frank, Carson City, Nev.	
Handkerchief made by lady 71 years old.		Doily. N. wing, E, 9	665
N. wing, D-E, 4	665	198d. Benedictine Sisters, Chicago. Embroidered Prie Dieu and picture.	669
188b. Alliger, Miss L. G., South Orange, N. J. Embroidery. N. wing, B, 10	669	199. Berg, Miss M. M., Minneapolis, Minn. Crochet dress. N. wing, E, 10	665
189. Allmond, Miss Phebe, Wilmington, Del. Center piece. N. wing, B, 9	665	199a. Bering, Mrs. Elizabeth, Decatur, Ill. Drawn work doilies. N. wing, E, 10	665
189a. Anthony, Mrs. Elizabeth, Clinton, Ia. Lace made by lady 78 years old. N. wing, D-E, 4	664	199b. Bibb, Mrs. Atala, Russellville, Ky. Drawn work doilies. N. wing, E, 8	665
190. Associated Artists, New York. N. wing, B-C, 8-9		200. Birdsall, Mrs. A. E., Brooklyn, N. Y. Bed-clothes and costume fastener. Inv. room	668
a Embroidery.		200a. Bishop, Mrs., Columbus, N. J. Doilies. N. wing, B, 10	665
Color study in textiles. Subject, Fighting Dragons.		201. Blackstock, Mrs. Wm. M., La Fayette, Ind. Tea cloth.	669
Clematis portiere.		201a. Bock, Mrs. William, St. Paul, Minn. Knit square. N. wing, E, 10	665
Azalia portiere.		202. Bodaker, Sara B., Chicago. Seal of the Board of Lady Managers.	669
Chrysanthemums on gold cloth.		202a. Booth, Mrs. Matilda, Cincinnati. Piece of thread lace. Cinn. room	664
Pomegranate embroidery.		203. Boots, Miss Alice, Wilmington, Del. Tea cloth. N. wing, A-C, 9	665
Needle woven and embroidered wall hanging.	672	203a. Botts, Miss E. L., Butte, Mont. Lace handkerchief and medalion. N. wing, A, 7	664
b Needlewoven tapestry.		203b. Boyden, Mrs. Emily M. B., Chicago. Dog and grapes in embroidery. N. E. stairway	669
Reproduction of Raphael's racyulous draught of fishes.		204. Bradley, Mrs. Agnes M., Omaha, Neb. Doilies.	665
Decorative panel. Figure—Algerian. Figure—Penelope.	672	205. Brant, Miss J. A., Dubuque, Ia. Russian, Spanish, Honiton and point applique laces. N. wing, D-E, 4	664
191. Austin, Mrs. Wm. Miss. Feather and	666	206. Braselman, Mrs. Elizabeth, Washington, D. C. Bed spread, center pieces, etc. N. wing, F, 10	669
192. Bach, Mrs. Isaac. broidered table	669	206a. Bray, Miss Mary, Carson City, Nev. Tea cloth and center piece. N. wing, E, 9	665
192a. Baker, Mrs. broidered center	669	207. Brignardello, Miss Hortense, San Francisco, Cal. Drawn work.	665
193. Ball, Mrs. Ind. Table	669	207a. Brown, Mrs. Mortimer, New York. Oriental embroidery made by an old lady. S. E. dressing room	665
194. Barnard, Mrs. Del. Drawn work	665	207b. Brown, Mrs. M. L., Bellevue, Ia. Center piece and doilies made by lady 74 years old. N. wing, D-E, 4	665
195. Barnes, Mrs. G. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664	208. Brown, Mrs. Wm., Indianapolis, Ind. Embroidery. N. wing, E, 10	665
196. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664	209. Bruce, Mary E., La Fayette, Ind. Table cloth. N. wing, E, 10	669
197. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664	210. Buller, Mrs. D. W., Indianapolis, Ind. Table center. N. wing, E, 10	669
198. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664	211. Burgess, Mrs. Della A., St. Louis. Hand-made thread lace.	664
199. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664		
200. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664		
201. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664		
202. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664		
203. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664		
204. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664		
205. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664		
206. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664		
207. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664		
208. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664		
209. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664		
210. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664		
211. Barnes, Mrs. A. Towson, Md. Towson, Md. Towson, Md. Towson, Md.	664		

## Manufactures.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
211a. Burkhart, Leah, Martinsburg, W. Va. Embroidered stand cover.	665	221. Clinchy, Mrs. A., Kansas City, Mo. Counterpane, shams, etc.	665
211b. Burnham, Mrs. Mary M., Clinton, Iowa. Bed spread and pillow shams made at the age of 84 years.	665	222. Cluff, Gerlie de F., Lodi, Cal. Garment fastener and hose supporter.	668
211c. Burton, Mrs. R. M., Cincinnati. Embroidered table cover. Cinn. room	669	222a. Cheph Company, Orange, N. J. Embroidered burse. N. wing, B, 10	669
212. Burton, Mrs. Ruth A., Butte, Mont. Towel; bed quilt made in 1853.	665	223. Coffin, Minnie A., Indianapolis, Ind. Table cover, doilies, etc.	669
212. Bush, Mrs. L. P., Wilmington, Del. Doilies.	665	223a. Collins, Miss L. F., Cincinnati. Doilies.	669
213. Bush, Mrs. Walter, Wilmington, Del. Table covers, napkins, mats, etc.	665	224. Committee on Woman's Work for Pennsylvania, Philadelphia. Art needlework.	669
214. Butler, Mrs. T. T., Cincinnati. Drawn work, center piece and doilies.	665	224a. Cortes, Mrs., East Orange, N. J. Lace collar and cuffs. N. wing, B, 10	664
215. Butler, Isabel H., Bridgeport, Conn. Reproductions on the sewing machine of hand art needlework. N. wing, F, 8	665	224b. Convent Good Shepherd, Cincinnati. Embroidered benediction veil.	669
215a. Caison, Miss Lena, Lenox, N. C. Tatting for bureau scarf.	665	225. Cooper, Mrs. M. D., Bozeman, Mont. Embroidery, drawn work and darning.	665
216. Caldwell, Miss Hattie D., Chicago. Lace made from Fayal fibres.	664	225a. Courlander, Marie, Hoboken, N. J. Doilies made at age of 83 years.	665
216a. Carlisle, Mrs. Geo., Cincinnati. Lace veil made in 1829. Cinn. room	664	226. Cowdery, Mrs. Rosa E., Chicago. Drawn work.	665
216b. Carlisle, Mrs. John, Cincinnati. Embroidered center pieces and table covers.	669	226a. Crall, Mrs. Emma L., Basic City, Va. Silk tatting, handkerchief.	665
217. Carnahan, Louise, Fort Wayne, Ind. Table cloth.	669	226b. Creighton, Miss B., Cincinnati. Drawn work doilies. Cinn. room	665
217a. Carroll, Ella, Bloomington, Ill. Lace.	664	226c. Crane, Mrs. C. B., Chicago. Needlework.	665
217b. Carson, Miss Jane, Cincinnati. Embroidered table covers. Cinn room	669	227. Criss, Mrs. S. E., Chicago. Mexican drawn work.	665
217c. Catchings, Miss, Sterling, Ky. Center pieces and doilies.	665	227a. Croley, Mrs. A. M., Tilsburg, Canada. Skeleton flowers.	664
217d. Catchings, Mrs., Louisville, Ky. Center pieces and doilies.	665	229. Dallett, Mrs. E. J., Wilmington, Del. Center piece.	665
218. Chapman, Mrs. Mary, Lincoln, Neb. Center piece and doilies.	669	230. Davis, Miss Florence C., Tuckerton, N. J. Embroidered bed spread.	669
218a. Chicago Exchange for Woman's Work, Chicago. Embroidery.	665	231. Decorative Art Society, Baltimore. Embroidered lunch cloth, napkins, doilies, etc.	665
219. Christlett, M. Lucile, Chicago. Spanish drawn work.	665	231a. Decorative Art Society, New York. Embroidery.	665
220. Christopherson, Miss Marie, Chipewau Falls, Wis. Kensington embroidery.	669	232. Denian, Mrs. V. C., New Orleans, La. Infants' caps.	665
220a. Church of the Crucifixion, Philadelphia. Book marks.	665	232a. Denise, Mrs. Peter, Meaderville, Mont. Bed spread.	665
220b. Clark, Miss, Economy, Ind. Embroidery.	665	232b. Donnell, Mrs. Frances M., Sunbury, Pa. Embroidered stole.	669
220c. Clarke, Mrs. R. M., Carson City, Neb. Tea cloth.	665		

## Manufactures.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
232c. Donnelly, Mrs. Mary M., Philadelphia. Benediction veil. N. wing, D, 9	665	244. Fuller, Mrs. Rachel E., Kansas City, Mo. Table cover. N. wing, E, 8	665
232d. Duckwall, Mrs. E. A., Louisville, Ky. Lace handkerchief. N. wing, E, 8	664	245. Gardiner, Miss Sarah C., Cold Springs, N. Y. Lace. N. wing, E, 8	664
233. Dure, Miss Helen, Wilmington, Del. Center pieces, doilies, apron, etc. N. wing, A-C, 9	665	245a. Gardiner, Mrs. Sidney, New York. Embroidered centre pieces. N. wing, A-C, 9-10	669
234. Durrad, Mary, Chicago. Dress lift. Inv. room	668	246. Gargotta, Mary, Kansas City, Mo. Knit shawl and stitched chemise.	665
234a. Duval, Mrs. S. G., Salem, N. J. Bed spread. N. wing, B, 10	665	246a. Gault, H. P., Knoxville, Ill. Embroidered center piece.	665
234b. Dwelle, Mrs. L., Northwood, Iowa. Embroidery. N. wing, D-E, 4	665	247. Gavan, Mrs. Frank, LaFayette, Ind. Table cloth. N. wing, E, 10	669
235. Earl, Elizabeth C., Connersville, Ind. Table cloth.	669	247a. Geary, Mrs. John, St. Paul, Minn. Lace handkerchiefs. N. wing, E, 10	664
235a. Eaton, Elizabeth W., Augusta, Me. Crotched bed spread.	665	247b. Gest, Miss Clarissa, Cincinnati. Embroidered net cape made in 1833. Cinn. room	665
236. Eaton, Mary M., Augusta, Me. Embroidery, tatting, etc.	665	247c. Gibson, Miss S. Meta, New York. a Embroidered tea cloth.	665
236a. Eaton, Mrs. M. S., Cincinnati. Table cover in drawn work. Cinn. room	665	b Embroidered portieres and leather chair back and seat.	669
236b. Eckstein, Miss Jennie, Cincinnati. Embroidered center piece. Cinn. room	669	247d. Gilbert, Miss Alice, Minneapolis, Minn. Crochet work. N. wing, E, 10	665
237. Ellsworth, Connie F., LaFayette, Ind. Tea cloth.	669	248. Girardeau, Miss M. H., Sumter, S. C. Embroidery made in 1786.	665
237b. Emminger, Miss L., Cincinnati. Drawn work center pieces and doilies. Cinn. room	665	248a. Goff, Mrs. B., Providence, R. I. Doilies.	665
238. Fenner, Mary, South Orange, N. J. Embroidery. N. wing, B, 10	669	248b. Grant, Mrs. M. L., Providence, R. I. Center piece. N. wing, E, 8	665
239. Fernald, Mrs. W. L., Logansport, Ind. Table cloth.	669	249. Gray, Mrs. Mania, St. Louis. Table cover.	669
240. Fette, Margaret M., Los Angeles, Cal. Tapestry applique.	670	250. Greenstreet, Flora V., Indianapolis, Ind. Table runner. N. wing, E, 10	669
241. Field, Marshall, & Co., Chicago. Embroidered table linen. N. wing, D-E, 7	665	251. Gregory, Mrs. D. E., Indianapolis, Ind. Table center and doilies. N. wing, E, 10	669
241a. Fjelde Sisters, Minneapolis, Minn. N. wing, E, 10		252. Griffith, Katherine R., Indianapolis, Ind. Table overlay. N. wing, E, 10	669
a Point lace handkerchief.	664	253. Gruber, Mrs. Gustave, Lexington, Mo. Pictures in tapestry embroidery.	669
b Embroidery.	665	253a. Guérineau, Mrs. M. A., Cambridge, Mass. Crochet bed spread.	665
242. Flinn, Miss Annie, Wilmington, Del. Center piece. N. wing, B, 9	665	254. Guion, Mrs. Frank, Leavenworth, Kas. Drawn work lunch cloth.	665
242a. Fondersmith, Mrs. A. H., Sterling, Ill. Drawn work, center piece and doilies.	665	255. Hall, Eva J., Stillwater, Minn. Self-threading sewing machine needle. Inv. room	668
242b. Foote, Miss Eliza B., Cincinnati. Embroidered table cover and portieres. Cinn. room	669	256. Hall, Mrs. Q., Boise City, Idaho. Needle-work.	665
242c. Francis, Miss, Cincinnati. Embroidered portieres. Cinn. room	669	257. Hansel, Miss Anna, Cincinnati. Lace for priest's surplice. Cinn. room	664
242d. Frank, Miss Amelia, Cincinnati. Embroidered center piece. Cinn. room	669	258. Harker, Miss Annie P., Mineral Point, Wis. a Lace work.	664
243. Fritschel, Mrs. Julia F. J., Strawberry Point, Iowa. Samples of needle-work, hand-sewing and mending.	665	b Embroidery and drawn-work.	665

## Manufactures.

Exhibit No.	Class'n No.
259. Harley, Mrs. V. E., Kansas City, Mo. Garment and hose supporter. Inv. room 668	
259a. Harper, Mrs. Ida, Indianapolis, Ind. Embroidery on chamois. N. wing, E, 10 665	
260. Heath, E. H., & Co., New York. Paper flowers. N. wing, F, 7 666	
261. Hebron Columbian Needle Club, Hebron, Neb. Lunch cloth. N. wing, B, 8 669	
262. Herley, Mrs. Martha, Carthage, Ind. Table mat. 669	
262a. Hernandez, Mrs. Louis, Las Vegas, N. M. Bridal veil. N. wing, E, 9 664	
263. Herron, Mary R., Indianapolis, Ind. Table mat. 669	
264. Herron, Kitty, Indianapolis, Ind. Table decoration. 669	
265. Herron, Lydia W., Indianapolis, Ind. Table center and doilies. 669	
266. Herron, May, Indianapolis, Ind. Table decoration. N. wing, E, 10 669	
268. Higginson, Edith G., Chicago. Altar front. 669	
268a. Hollingshead, Miss B., Cincinnati. Embroidered table and tray covers. Cinn. room 669	
269. Hollingsworth, Miss Effie A., Kansas City, Mo. Sideboard scarf in drawn work. 665	
270. Hollis, J. H., Brooklyn, N. Y. Knitted work. 665	
270a. Holmes, Miss Lillie, Downer's Grove, Ill. Embroidered table spread. N. wing, B, 7 665	
270b. Holmes, Mrs., Carson City, Nev. Drawn work doilies. N. wing, E, 9 665	
270c. Houghton, L. C. O., Baltimore. Embroidered sofa cushion. 669	
271. Hounsfield, Mrs., Wilmington, Del. Needle-work done in 1800. N. wing, B, 9 665	
271a. Hovens, Mrs. Mary E., Pawtucket, R. I. Embroidered table linen. 665	
271b. Hudson, Anna L., New York. Ecclesiastical embroidery. N. wing, B, 7 669	
271c. Hund, Mrs. Lena, Chippewa Falls, Wis. Crotchet work curtain. 665	
271d. Hunnewell, Mrs., Cincinnati. Lace and kerchief. Cinn. room 664	
271e. Hyde, Miss Caroline B., Stonington, Conn. Silk fruit. N. E. gal. 666	
271f. Hyder, Mrs. May, York, Neb. Lunch cloth. 665	
271g. Ingram, Mrs. T. C., Kansas City, Mo. Lace bed spread. 664	

Exhibit No.	Class'n No.
274a. Jacobs, Miss Carrie, Butte, Mont. Drawn work. N. wing, E, 8 665	
274b. Jacquemin, Miss, Minneapolis, Minn. Crochet silk hood. N. wing, E, 10 665	
275. Jefferies, Llura, Wilmington, Del. Center piece and doilies. N. wing, A, 9 665	
276. Johnson, Etta J., Rushville, Ind. Table center. 669	
277. Johnson, Lillian B., Indianapolis, Ind. Table center. 669	
278. Johnson, Miss Lulu, Wilmington, Del. Table scarf. N. wing, A-C, 9 669	
278a. Jordan, Mrs. J. A., Cincinnati. Embroidered table cover. Cinn. room 669	
279. Kane, Mrs. H. W., Jeffersonville, Ind. Embroidered chamois. 669	
280. Kane, Mrs. W. P. La Fayette, Ind. Table mat. 669	
280a. Kemper, Mrs. Rice, Cincinnati. Embroidered center piece and doilies. Cinn. room 665	
281. Kenyon, Mrs. Mary J., Downer's Grove, Ill. Lace handkerchief and linen drawn work neck scarf made by lady eighty-two years old. 664	
283. Kittinger, Fannie R., Wilmington, Del. Embroidered spread, table covers, etc. N. wing, D, 9 665	
283a. Knight, O. M., St. Paul, Minn. Drawn work center piece. N. wing, E, 10 665	
283b. Knuth, Catherine, Oconomowoc, Wis. Knitted bed cover and 17th century slippers. 665	
284. Koford, Mrs. Augusta, Chicago. Gold and steel embroidery done in Denmark in 1794. 669	
284a. Kohl, Mrs. Louise, Cincinnati. a Wedding and communion veils and piece of lace. Cinn. room 664 b Embroidered bell pull. Cinn. room 669	
284b. La Duc, Miss, Hastings, Minn. Oriental embroidery. N. wing, E, 10 669	
284c. Lamme, E. B., Bozeman, Mont. Embroidered center piece. N. wing, A, 7 665	
285. Landon, Miss Milla, Brighton, N. Y. Silk butterflies, mounted; embroidered doilies, boxes, etc. 665	
285a. Largey, Mrs. P. A., Butte, Mont. Embroidery 200 years old. N. wing, A, 7 669	
285b. Leaman, Mrs. R. F., Cincinnati. Embroidered sofa cushion cover and chair scarf. Cinn. room 669	

## Manufactures.

Exhibit No.	Class'n No.
285c. Le Claire, St. Paul, Minn. Embroidery. N. wing, E, 10	665
286. Lehman, Misses, Lebanon, Pa. Embroidered linen bed cover. N. wing, C, 9	665
287. Leontin, Jaenne, Chicago. Garment fastener. Inv. room	668
287a. Le Valley, Miss Sarah, Providence, R. I. Antique lace doily and Venetian point lace. N. wing,	664
288. Levering, Amelia F., La Fayette, Ind. Table cloth. N. wing, E, 10	669
289. Lewis and Clarke Columbian Exposition Ass'n, Helena, Mont. Needlework.	665
289a. Lindenberger, Miss M. E., Cincinnati. Doilies. Cinn. room	665
289b. Lippincott, Miss, Cincinnati. Embroidered sofa cushion cover. Cinn. room	669
290. Lockwood, Bertha Greene, Indianapolis, Ind. Table cloth.	669
290a. Lodge, Anna H., Media, Pa. Embroidered center piece. N. wing, D, 9	665
291. Long, Mrs. W. J., Topeka, Kas. Point lace articles.	664
292. Lyons, Anna E., Syracuse, N. Y. Lace cape.	664
293. Major, S. Frances, Shelbyville, Ind. Table cloth. N. wing, E, 10	669
295. Manchester, Nellie, La Crosse, Wis. Sofa pillow, scarf and doilies.	665
296. Mantel, Mrs. Anna, Chicago. Embroidery.	665
297. Masters, Mrs. M. A., Chicago. Center piece made by a lady seventy-six years old. N. wing, E, 9	665
297a. McConnell, Miss, Madison, N. J. Embroidered pillow. N. wing, B, 10	665
298. McCoy, Mary J., Rensselaer, Ind. Table cover.	669
298a. McCreight, Mrs. E. D., Lewisburg, Pa. Drawn work handkerchief. N. wing, A, 8-9	665
299. McCullough, Miss, Washington, D. C. Needlework.	665
300. McCullough, Miss Caroline L., Bladensburg, Md. Holbein embroidery.	669
300a. McLaughlin, Miss M. Louise, Cincinnati. Embroidered table cover. Cinn. room	669
301. McLean County Columbian Club, Bloomington, Ill. Fine sewing.	665
301a. McLean, Miss, Russellville, Ky. Lace collarette. N. wing, E, 8	664
301b. Meard, Miss Annie, Cincinnati. Embroidered center piece. Cinn. room	669

Exhibit No.	Class'n No.
301c. Memorial Church of the Advocate, Philadelphia. Embroidered stoles. N. wing, D, 9	665
302. Mendenhall, Mrs. Henry, Wilmington, Del. Tea cloth, doilies and center piece. N. wing, D, 9	665
303. Mendenhall, Mrs. John, Wilmington, Del. Embroidery. N. wing, A, 9	665
303a. Michel, Miss Bertha, Chicago, Ill. Lace work in crochet.	668
304. Miller, Miss Annie R., Philadelphia. Drawn work. N. wing, A, 9	665
304a. Mills, Mrs. Geo. T., Carson City, Neb. Tea cloth. N. wing, E, 9	665
305. Mintura, Mrs. Alice S., St. Louis. Point lace.	664
306. Mitchell, Mrs. J. B., La Fayette, Ind. Table cloth. N. wing, E, 10	669
307. More, Miss Grace, West Orange, N. J. Tablesquare in drawn work.	665
308. Morris, Mrs. Dora I., Chicago. Point lace shams.	664
308a. Morrison, Mrs. Jno., Cincinnati. Embroidered table cover, 17th century style. Cinn. room	669
308b. Morse, Mrs. A. C., Butte, Mont. Doilies. N. wing, A, 7	665
309. Morse, Mrs. Annie E., Fort Wayne, Ind. Table cloth. N. wing, E, 10	669
310. Mott, H. C., East Hartford, Conn. Wax, feather, tissue paper, shell and fish scale flowers. Sci. room	666
310a. Mevins, Mary D., New York. Ecclesiastical embroidery. N. wing B, 7	669
310b. Murphy, Mrs. Minnie C., Indianapolis, Ind. Embroidery. N. wing, E, 10	665
310c. Musselman, Miss Ida, Somerset, Pa. China bonbonniere. N. wing, A, 10	665
310d. Natky, Miss, Louisville, Ky. Square table cover. N. wing, E, 8	665
310e. Newbold, Miss C. C., Georgetown, N. J. Drawn work doilies. N. wing, B, 10	665
310f. Nickel, Miss H., Cincinnati. Embroidered center piece. Cinn. room	669
310g. Noc, Mrs. Caroline S., Bozeman, Mont. Bobbinet lace handkerchief, her age 72 years. N. wing, A, 7	664
310b. Nyeland, Miss, Minneapolis, Minn. Embroidery. N. wing, E, 10	665
311. Oberg, Miss Christina, Portland, Ore. Embroidery. N. wing, A, 7	665
312. Ogden, Clara E. M., Orange, N. J. Embroidery. N. wing, B, 10	665
312a. Ogden, Mrs. Hecletta C., Waukegan, Ill. Lace. N. wing, D, 9	664

## Manufactures.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
313. Ogden, Mrs. R. E., Iowa City, Iowa.		329. Radford, Mrs. J. S., Chicago.	Embroidered handkerchief.
Lace handkerchief. N. wing, D, 4	664		665
314. Olberg, Mrs. O. N., Albert Lea, Minn. Ladies' dress hifter and sleeve holder.	Inv. room 668	329a. Richards, Mrs. Anna W., Osceola, Iowa. Drawn work doilies.	665
315. Olds, Mrs. Henry G., Fort Wayne, Ind. Table runner and doilies.		329b. Richards, Mrs. P. P., Cincinnati. Embroidered table scarf.	
N. wing, E, 10	669		Cinn. room 669
316. O'Neill, Mrs. W. O., Prescott, Ariz. Quilt made of army badges.	665	330. Richardson, Miss Agnes, Wilmington, Del. Curtains and center piece.	
317. O'Shaunessey, Miss Lucy, Cincinnati.		N. wing, A, 9.	665
a Handkerchief and veil.	664	331. Ring, Mrs. Richard, Minneapolis, Minn. Embroidery.	N. wing, E, 10 665
b Embroidered handkerchief.	665	331a. Rivard, Miss, Cincinnati. Bed spread and pillow shams.	Cinn. room 665
318. Page, Miss Sarah, Mount Holly, N. J. Embroidered center piece.		332. Roberts, Mary C., Connersville, Ind. Table cloth.	669
N. wing, B, 10	669	332a. Roberts, Miss Sarah T., Burlington, N. J. Center pieces and doilies.	
319. Parker, M. E., & Co., Camden, Me. Scale work flowers.	Sci. room 666	N. wing, B, 10	665
320. Parker, Susie, Rensselaer, Ind. Table mats.	669	333. Robinson, Mrs. H. C., Wilmington, Del. Doilies.	N. wing, A, 9 665
320a. Peck, Miss Mary, Providence, R. I. Sofa pillow.	N. wing, E, 8 669	334. Roxburgh, Miss, London, England. White lace fan.	N. wing, C, 10 667
321. Pell-Clarke, Henrietta, Springfield Centre, N. Y. Ecclesiastical embroidery.	669	337. Sample, Mrs. Robert W., La Fayette, Ind. Table cloth.	N. wing, E, 10 669
321a. Peters, Mary A., New York. Landscape in embroidery.	N. wing, A, 9 669	337a. Saucier, Mrs. Geo., Butte, Mont. Crochet lace dress.	N. wing, A, 7 664
321b. Peters, Mrs. C. C., Sterling, Kas. Embroidered center piece, pillow covers and doilies.	N. wing, E, 8 665	337b. Sayres, Mrs. W. A., Cincinnati. Embroidered center piece.	
322. Philadelphia School of Art Needlework, Philadelphia. Hand embroidery.	N. wing, F-8, 10 669		Cinn. room 669
323. Pierce, Mrs. Harriet, Grand Rapids, Mich. Handkerchief.	665	338. Schalck, Emma R., Pottsville, Pa. Embroidery.	N. wing, D, 9 669
323a. Piffard, Miss Nina H., New York. Self-threading sewing machine needle.		338a. Schmidt, Miss M., St. Paul, Minn. Embroidered shield.	N. wing, E, 10 669
Inv. room 668		338b. Schmidt, Miss Sophie, Orange, N. J.	N. wing, A-B, 10
324. Pilkington, Mrs. W. A., Bridgeport, Conn. Sleeve holder and hat pin.		a Lace cap.	664
Inv. room 668		b Embroidered burse.	665
325. Porter, Mrs. Willard H., Wilmington, Del. Embroidery made in 1799.		339. Schmidt, Mrs. H. D., York, Pa. Mexican drawn work; shawl made by lady one hundred years old; old-time embroidery.	665
N. wing, B, 9	665	339a. Schultz, Mrs. Wm., Cincinnati. Embroidered sideboard cover.	
325a. Potter, Miss Carrie, Cincinnati. Embroidered center pieces and bureau scarf.			Cinn. room 669
Cinn. room 668		340. Scott, Laura M., Red Rock, Mont. Embroidered child's dress.	
326. Powers, Helen, St. Louis. Spool holder.	Inv. room 668	N. wing, A, 7	665
326a. Prather, Miss Ella, Cincinnati. Drawn work table cover and doilies.		341. Scott, Mrs. J. E., Indianapolis, Ind. Counterpane.	669
Cinn. room 665		342. Seeley, Mrs. Levi, Lake Forest, Ill. Art needlework.	N. wing, B, 7 669
326b. Pusey, Miss Hannah, Wilmington, Del. Dress front.	N. wing, B, 9 665	343. Sellers, Mrs. Francis G., Wilmington, Del. Tea cloth and doilies.	665
327. Putnam, Lydia H., Logansport, Ind. Table mat.	669	343a. Sewall, Mrs. May Wright, Indianapolis, Ind. Embroidery.	N. wing, E, 10 665
328. Quein, Floretta, Chicago. Veil clasp.	Inv. room 668	344. Shaw, Susan W., Downer's Grove, Ill. Point lace handkerchief, collars and cuffs.	N. wing, C, 10 664

## Manufactures.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
345. Shepard, Harriet E., Indianapolis, Ind. Table cloth.	669	362. Stevens, Mrs. E. J., Washington, D. C. Tapestry.	670
345a. Sisters of St. Francis, Philadelphia. a Altar lace. N. wing	664	363. Stevens, Mrs. William, Brandon, Miss. a Point lace.	664
b Embroidered chasuble and altar pieces.	669	b Venetian embroidery.	669
345b. Slater, Miss Annie E., Orange, N. J. Embroidered center piece.	669	363a. Stewart, Fannie B., Newark, N. J. Lace. N. wing, B, 10	664
N. wing, B, 10	669	364. Stillwell, Maria, Brownstown, Ind. Table cloth.	669
345c. Smith, Eleanor G., New Brunswick, N. J. Embroidery. Rot. case 21	665	365. St. Joseph Academy, St. Augustine, Fla. Lace work.	664
346. Smith, E. M., Newport, Vt. Drawn work. C	665	366. Studebaker, Mrs. Clem, South Bend, Ind. Library table cloth.	669
347. Smith, Jessie C., New Haven, Conn. Embroidered table cloth.	669	N. wing, E, 10	669
N. wing, E, 10	669	366a. Talcott, Miss Rebecca, Morristown, N. J. Embroidered center piece.	669
348. Smith, Mrs. Ernest, Wilmington, Del. Bed spread, doilies, etc.	665	N. wing, B, 10	669
N. wing, D, 9	665	366b. Taylor, Mrs. R. M. W., Cincinnati. Bead pincushion. Cinn. room	665
349. Smith, Mrs. Mollie, Rural Hall, N. C. Embroidery.	665	367. Taylor, Susan A., Lafayette, Ind. Table mat. N. wing, E, 10	665
349a. Smith, Mrs. N. C. P., Reno, Nev. a Lace. N. wing, E, 9	664	367a. Thompson, Miss Anna, Cincinnati. Embroidered center piece. Cinn. room	669
b Embroidered center piece and table cloth.	665	367b. Thompson, Miss I., Cincinnati. Embroidered center piece and doilies.	669
350. Smith, Nellie C., La Fayette, Ind. Table cloth.	669	Cinn. room	669
350a. Smythe, Mrs. E. H., St. Paul, Minn. Embroidered handkerchief.	555	368. Thurston, Matilda, Chicago. Point lace handkerchiefs.	664
N. wing, E, 10	555	N. wing, C, 10	664
351. Snow, Mrs. N. H., Mineral Point, Wis. Tapestry table cover.	670	368a. Ticknor, Emma E., Boston. Lace dress. N. wing, D, 10	664
N. wing, E, 8	670	368b. Tilton, Mrs. J. W., Bozeman, Mont. Drawn work. N. wing, A, 7	665
352. Sogomeier, Mrs. A., Paola, Kas. Lace curtains.	664	368c. Truette, J. C., New Haven, Conn. Table cloth.	665
353. Somerville, Emma M., Menominee, Mich. Art needlework, "Moses in the Bulrushes."	669	368d. Trump, Miss May, Wilmington, Del. Embroidery. N. wing, A-C, 9	665
354. Spann, Mrs. John M., Indianapolis, Ind. Table center. N. wing, E, 10	669	369. Trussell, Mrs. H. H., Minneapolis, Minn. Lace handkerchiefs.	664
354a. Stadelman, Miss Ottilie, Sauk City, Wis. Embroidered spread and shams.	665	N. wing, E, 10	664
N. wing, E, 8	665	370. Tucker, Mrs. H. S., Indianapolis, Ind. Table cloth.	669
355. Stanley, Sara E., Portland, Me. Needlework.	665	N. wing, E, 10	669
356. Stannes, Orpha A., Indianapolis, Ind. Curtain.	669	370a. Tullidge, Mrs. F., Cincinnati. Embroidered silk panel. Cinn. room	669
358. State of New York, Board of Women Managers. W. gal., Sec. D-E	667	371. Turkish Compassionate Fund, New York. N. wing, D-E, 6 and Rot. case 1	669
a Laces.	664	a Embroidered bed spreads, center pieces, doilies, etc.	665
b Antique embroideries.	665	b Art hand embroidery for home and table decoration.	669
c Fans.	667	372. Turner, Mrs. L. E., North Fairfield, Ohio. a Point lace work.	664
359. Stanton Woman's Relief Corps, Los Angeles, Cal. Embroidered banner. Org. room	665	b Crochet work; embroidered table linen, etc.	665
360. Stearns, Mrs. R. D., St. John's, Mich. Drawn work. N. wing, E, 9	665	c Embroidered table scarfs, sofa pillows, etc.	669
361. Steigely, Miss Emily, LaPorte, Ind. Table cloth.	669		

## Manufactures.

Exhibit No.	Class'n No.
372a. Van Antwerp, Miss, Cincinnati. Embroidered table cover. Cinn. room	669
372b. Von Hippel, Miss, Cincinnati. Embroidered center pieces and doilies. Cinn. room	669
373. Voos, Mrs. A., Portland, Ore. Curtains, bed spread, tidies, etc.	664
373a. Vyncke, Mrs. Philip, Chicago. Handkerchief.	665
373b. Walbridge, Miss, Cincinnati. Embroidered center piece. Cinn. room	669
374. Walter, Mrs. Virgil W., Wilmington, Del. Flannel skirt. N. wing, B, 9	665
375. Warner, Mrs. Anna R., Wilmington, Del. Embroidery done in 1779. N. wing, D, 9	665
376. Warner, Mrs. E. T., Wilmington, Del. Dress front, mats, cushion, etc. N. wing, D, 9	665
376a. Warren, Mrs., Stillwater, Minn. Ancient drawn work. N. wing, E, 10	665
377. Waters, Miss, Mineral Point, Wis. Drawn work.	665
377a. Weber, Mrs. Andrew, Chicago. Drawn work doilies.	665
377b. Wessel, Mrs. H., Cincinnati. Embroidered center pieces. Cinn. room	669
378. Westmoreland County Auxiliary Committee, Greensburg, Pa. Needle work.	665
378a. White, Mrs. Emma G., Portland, Ore. Art embroidery. N. wing, A, 7	669
378b. White, Mrs. Lillian F., Eau Claire, Wis. Embroidered lunch cloth.	665
379. White, Mrs. M. E., Butte, Mont. Needle work.	665
380. Whitman, Mrs. J. M., Montpelier, Idaho. Embroidered symbolical flag made by Mormon women.	669
380a. Wiehl, Mrs. J. H., Lexington, Ky. Tea cloth.	665
380b. Williams, Miss Addie, Cincinnati. Embroidered table scarf. Cinn. room	669
381. Williamson, Amanda, Indianapolis, Ind. Table cloth. N. wing, E, 10	669
382. Williamson, Amy, Tipton, Ind. Table cloth. N. wing, E, 10	669
383. Williamson, Mrs. John H., Indianapolis, Ind. Table cloth. N. wing, E, 10	669
385. Wilson, Mrs. Lillian B., Meriden, Conn. Art needlework. N. wing	669
385. Wise, Mrs. Elizabeth J., Wilmington, Del. Thread lace. N. wing, B, 9	664

Exhibit No.	Class'n No.
386a. Woman's Work (Self-Supporting) Exchange, St. Paul, Minn. N. wing, D-E, 10	665
a Drawn work.	665
b Art embroidery.	669
386b. Worpenburg, Miss, Cincinnati. Lace handkerchief. Cinn. room	664
386c. Young, Miss Jessie, Orange, N. J. Antique lace square. N. wing, B, 10	664
387. Zimmermann, Catherine, St. Charles, Mo. Work in tatting.	665

## GROUP 107.

## Hair Work, Coffinures, and Accessories of the Toilet.

388. Keith, Mrs. George, Maltese, Mo. Bouquets made of the hair of the ladies of the World's Fair Committee of St. Louis County, Mo.	672
389. Lyons, Anna Eliza, Syracuse, N. Y. Hair work.	672
390. McDonald, Mrs. J., Streator, Ill. Hair wreath.	672

## GROUP 108.

## Traveling Equipments—Valises, Trunks, Toilet Cases, Fancy Leather-work, Canes, Umbrellas, Parasols, etc.

391. Eaton, Mrs. Minerva J., Hot Springs, S. Dak. Trunk. Inv. room	679
392. Hayes, Gretta L. S., Springfield, Mass. Wardrobe trunk. Inv. room	679
393. Law, Lizzie H., Providence, R. I. Safety pockets for purses, etc. Inv. room	680
393a. McCauley, Miss Elizabeth, Chicago. Pouch made of beetles' backs.	680
394. Palmer, Elizabeth R., Philadelphia. Trunk with elevating attachment. Inv. room	679

## GROUP 109.

## Rubber Goods, Caoutchouc, Gutta Percha, Celluloid and Zylonite.

395. Foxworthy, Mrs. Mollie, Lincoln, Neb. Waterproof garment. Inv. room	683
395a. Wheeler, Mrs. C., New York. Rubber mats.	688

## GROUP 110.

## Toys and Fancy Articles.

396. Dike, May, Boston. Penwipers and jewelry plate.	695
398. Featherstone, Miss Sara W., Toledo, Ohio. Card game.	

## Manufactures.

Exhibit No.	Class'n No.
399. Heath, E. H., & Co., Buffalo, N. Y.	
Paper lamp shades, glove and ban-hon boxes, etc.	N. wing, F-7 695
Manufacturers and designers of art novelties, lamp and candle shades, German and dinner favors. Do not fail to see our exhibit and receive a catalogue at Woman's Building. Branch offices, 287 5th Ave., New York; and 153 Wabash Ave., Chicago.	
400. Macfie, Anne E., Grand Haven, Mich.	
Game of art characters.	Inv. room 693
401. Milliken, Miss Annie B., Chicago.	
Toy folding chair.	Inv. room 693
401a. Otter, Miss Marion, Doylestown, Pa.	
Pin cushion—a relic.	N. wing, A, 9 695
402. Parker, M. E., & Co., Camden, Me.	
Scale work jewelry.	Sci. room 695
403. Smith, Mrs. Wm. H., New York.	
Tops and dolls.	693
404. Sweet, Miss Stella, Kansas City, Mo.	
The Easter egg toy.	693

## GROUP 111.

## Leather and Manufactures of Leather.

405. Brèves, Mrs. H., Chicago.	Em-
bossed leather chair seat and back.	
	Ex. room 705
406. Fobes, Harriet K., East Orange, N. J.	
Leather work decorated by etching.	705
406a. Halliwell, Mrs. H. W., Philadelphia.	
Leather photograph case.	
	N. wing, A, 8-9 705
407. Heimrod, Dora L., Omaha, Neb.	
Hand carved leather chair in high relief.	705
407a. Ruth, Mrs. L., Cleveland, Ohio.	
Chased leather stool.	705

## GROUP 115.

## Heating and Cooking Apparatus and Household Utensils.

407b. Brack, Mrs. W. B., El Paso, Tex.	
Portable sink and pantry	Mod. kit. 730
408. Bulkley, Mrs. Mary B., St. Louis.	
Duster.	Inv. room 730
409. Burns, Priscilla M., St. Louis.	
Flour sifter.	Inv. room 730
410. Cochrane, Mrs. J. G., Shelbyville, Ill.	
Dish washer.	Inv. room 730
410a. Dean, Mrs. Kate M., Memphis, Tenn.	
Biscuit and bread pans.	Inv. room 730
410b. Dillon, Mrs. Ellen, Sioux City, Iowa.	
Flat iron heater.	Inv. room 727
411. Durell, M. S., New York.	
Steam radiator attachment.	Inv. room 726

Exhibit No.	Class'n No.
412. Everhard, Mary M., St. Joseph, Mich.	
Metal kneading board.	Inv. room 730
413. Foxworthy, Mrs. Mollie, Lincoln, Neb.	
Gasoline kitchen.	Mod. kit. 729
413a. Guthrie, Mrs. M., Wichita, Kan.	
Window cleaner.	Inv. room 730
414. Hambel, Mrs. A. J., Chicago.	
Egg beater.	Inv. room 730
415. Hamilton, Catherine M., Decatur, Ill.	
Model of convertible chair.	Inv. room 730
416. Hillyer, Mrs. Harriet, R., Madison, Wis.	
Cooking table.	Mod. kit. 730
417. Holcomb, Mary H., Chicago.	
Baking dish.	Inv. room 730
418. Holden, Mrs. Martha B., Chicago.	
Carpet and floor duster.	Inv. room 730
419. Minster, Elizabeth, Ravenswood, Ill.	
Model of a bolster.	Inv. room 730
420. Noland, Mrs. Mary B., Independence, Mo.	
Meat broiler.	Inv. room 730
421. Robertson, Emma L. I., Port Hope, Canada.	
Frying pan.	Inv. room 730
422. Sawyer, Mrs. H. A., St. Louis.	
Dish heater.	Inv. room 730
423. Shleppy, Mrs. Ettie E. B., Russia-ville, Ind.	
Beef mangler.	Inv. room 730
424. Wilcox, Olive W., St. Louis.	
Bake oven.	727
425. Wood, Mrs. Eliza A., Easton, N. Y.	
Mop pail.	Inv. room 730

## GROUP 116.

## Refrigerators, Hollow Metal Ware, Tin-ware, Enameled Ware.

426. Harris, Mary M., Chicago.	
Model of refrigerator.	Inv. room 731
427. Rotmeyer, Mrs. C. W., Chicago.	
Water cooler and refrigerators.	Inv. room 731

## GROUP 117.

## Wire Goods and Screens, Perforated Sheets, Lattice Work, Fencing, Etc.

428. Price, Mrs. Charles, Salisbury, N. C.	
Screen.	

## GROUP 120.

## Plumbing and Sanitary Materials.

430. Dexter, Mary J., Wauwatosa, Wis.	
Portable bath-tub.	Inv. room 733
430a. Goold, F. M., Detroit, Mich.	
Bath tub.	Inv. room 733
431. Neal, Miss S. C., New York.	
Portable bath-tub for infants.	Inv. room 733

## Fine Arts.

## GROUP 121.

Miscellaneous Articles of Manufacture  
not Heretofore Classed.

- | Exhibit No. | Class'n No. |  |
|-------------|-------------|--|
| 432.        |             | Abel, Miss Elizabeth J., Philadelphia.<br>Rope work transom and design.<br>Pro. room |
| 433.        |             | Dexter, Mrs. S. H., Chicago.<br>Fancy rope work. Pro. room                           |
| 434.        |             | Smith, Mrs. S. L., Austin, Ill. Scale<br>for measuring hems, etc. Inv. room          |
| 435.        |             | Webb, Mrs. Frank, Wilmington,<br>Del. India ink marking.                             |

## DEPT. K.—FINE ARTS.

## GROUP 139.

## Sculpture.

- |      |  |   |
|------|--|---|
| 439. |  | Barton, Miss Carrie M., Lincoln, Neb.<br>Young Athlete. Board room 822                      |
| 440. |  | Brooks, Caroline S., Cincinnati.<br>Bas-relief of George Eliot. Cinn. room 821              |
| 441. |  | Chislett, Mabel C., Chicago.<br>Plaster bust. Com. room 820                                 |
| 442. |  | Dunham, Phebe A., Wayne, Ill.<br>Plaster medallions. 820                                    |
| 443. |  | Fry, Miss Laura A., Cincinnati.<br>Statuette in terra cotta—"Evangeline."<br>Cinn. room 820 |
| 444. |  | Gates, Adeline, Minneapolis, Minn.<br>Portrait bust in plaster. 820                         |
| 445. |  | Hammond, Jane N., Boston.<br>Plaster medallions. Conn. room 821                             |
| 446. |  | Howland, Edith, Paris, France.<br>Plaster bust—Maud Muller. Rot. S. W. 820                  |
| 447. |  | Hoxie, Vinnie Ream, Little Rock,<br>Ark.<br>Statuary in marble. Rot. N. E. 820              |
| 448. |  | "Miriam." Rot. C. 820   |
| 449. |  | "The West." Rot. W. C. 820  |
| 450. |  | "America." Rot. W. C. 820   |
| 451. |  | Jackson, Lily I., Parkersburg, W. Va.<br>Medallions in plaster. 830                         |
| 452. |  | Kennett, Miss Grace, Cincinnati.<br>Child's hand in terra cotta. Cinn. room 820             |
| 453. |  | Lewis, Edmonia, New York.<br>Statuettes. 820  |
| 454. |  | Neavin, Miss Blanche, Lancaster, Pa.<br>Marble figure—Maud Muller. Rot. C. 820              |
| 455. |  | Nichols, Mrs. Mary P., Denver, Col.<br>Marble bust—Little Nell. Rot. S. W. 820              |

- | Exhibit No. | Class'n No. |   |
|-------------|-------------|---|
| 453.        |             | Prescott, Katharine T., Boston.<br>Bas-relief and bronze medallions.<br>N. wing, D, 10 and Conn. room 821 |
| 453a.       |             | Reed, Miss Helen, Florence, Italy.<br>Marble and plaster bas-reliefs. 821                                 |
| 453b.       |             | Slater, Mary E., Philadelphia.<br>Panel in plaster of Paris. E. gal., Sec. K 820                          |
| 454.        |             | Smallery, Miss Marion, Kenosha,<br>Wis. Marble bust. 820  |
| 454a.       |             | Story, E. C., Merchantville, N. J.<br>Bronze bas-relief—Head. 821   |
| 454b.       |             | Strasbourg, Florence, Cincinnati.<br>Bas-relief of Rabbi Wise. Cinn. room 821                             |
| 455.        |             | Tobin, Benedette B., Austin, Tex.<br>Statue of the King. 820  |
| 456.        |             | Valentine, Mrs. Anna M., Cincinnati.<br>Ariadne. Cinn. room 820   |
| 456a.       |             | Varney, Miss Luella, Cleveland,<br>Ohio. Marble bust. N. W. Rot. 820                                      |
| 456b.       |             | Wadsworth, Fanny L., Philadelphia.<br>Bronze statuette, "David, the Shep-<br>herd." Rot. S. W. 822        |
| 457.        |             | Whitney, Anne, Boston. N. Y. Lib.<br>Marble bust of Lucy Stone. 820                                       |
| 458.        |             | Wilson, Miss Kate, Cincinnati.<br>Marble bust of Harriet Beecher Stowe. 820                               |
| 458a.       |             | Yardley, Mrs. C. B., East Orange,<br>N. J. Plaster bust. Cinn. room 820                                   |
| 458b.       |             | Portrait bas-relief. 821  |

## GROUP 140.

## Paintings in Oil.

- |       |  |   |
|-------|--|---|
| 459.  |  | A'Becket, Marie, New York.<br>The Storm. Rot. S. W.                   |
| 459a. |  | Adams, Mrs. Elizabeth, Baltimore.<br>A Puritan Maiden. Board room     |
| 460.  |  | Adams, Mrs. G. P., Chicago.<br>Ex. room                               |
| 461.  |  | A Pail of Raspberries.  |
| 462.  |  | Grandma's Window.   |
| 463.  |  | Plums.  |
| 463a. |  | Anderson, Jessie B., Moorhead, Minn.<br>Study of Negro Woman's Head.  |
| 464.  |  | Bailou, Addie L., San Francisco.<br>Portrait of Mrs. Leland Stanford. |
| 465.  |  | Barney, Mrs. Alice C., Cincinnati.<br>Portrait of Mr. B. Cinn. room   |
| 465a. |  | Beaux, Cecilia, Philadelphia.<br>Twilight Confidences. Rot. S. W.     |

## Fine Arts.

- | Exhibit No. |  | Exhibit No. |   |
|-------------|--|-------------|---|
|             | <b>Bender, Sarah E., San Francisco.</b>            |             | <b>Compton, Naomi T., Newark, N. J.</b>               |
| 466.        | Violets. Board room                                | 483a.       | Portrait of Wm. Trautschold. Board room               |
| 466a.       | Grapes. Calif. room                                |             | <b>Conly, Jean, Boise City, Idaho.</b>                |
| 467.        | <b>Benedict, Euella, Lake Forest, Ill.</b>         | 484.        | Spring Among the Foot Hills.                          |
|             | Old Stories. Board room                            |             | <b>Craig, Mrs. A. M., Galesburg, Ill.</b>             |
| 468.        | <b>Boggs, Mary H., Long Beach, Miss.</b>           | 485.        | Roses.  |
|             | Winter View of Gulf Coast.                         |             | <b>Day, V. E., Chicago.</b>                           |
|             | <b>Bohn, Grace G., Chicago.</b>                    | 485a.       | Study in the Vineyard. Board room                     |
| 469.        | A Staid Old Poser. Board room                      |             | <b>Dodge, M. Leftwich, New York.</b>                  |
| 470.        | Old Cider Mill.                                    | 486.        | Portrait de ma Fille. Board room                      |
|             | <b>Bradley, Elizabeth P., San Francisco.</b>       |             | <b>Dodgshun, Mrs. A. V., Chicago.</b>                 |
| 470a.       | Lake Tahoe in Sierra Nevada Mountains. Calif. room | 487.        | Landscapes.   |
|             | <b>Brainerd, Mrs. M. N., Lansing, Mich.</b>        |             | <b>Dohn, Pauline A., Chicago.</b>                     |
| 471.        | Eve.   | 488.        | Portrait of Mrs. M. W. Means. Rot. S. W.              |
|             | <b>Bredin, Miss Christine S., Cincinnati.</b>      |             | <b>Emerson, Miss Belle, Rockford, Ill.</b>            |
| 472.        | Christmas Morning. Cinn. room                      |             | Board room  |
|             | <b>Brooks, Maria, New York.</b>                    | 489.        | A Study.  |
| 473.        | Down Piccadilly. Rot. S. W.                        | 489a.       | Landscapes.   |
| 473a.       | Wayfarers. Rot. S. W.                              |             | <b>Fassett, Mrs. C. A., Washington, D. C.</b>         |
| 473b.       | Portrait of Rev. Dr. Morgan Dix. Board room        | 490.        | Oil paintings.  |
|             | Board room   |             | <b>Fenner, Lucy T., South Orange, N. J.</b>           |
| 473c.       | Shucking Corn. Board room                          | 492.        | Dog's Head.   |
|             | <b>Brown, Mrs. Delia F. H., Pinerolo, Italy.</b>   |             | <b>France, Mrs. Eurilda Loomis, Pittsburgh, Pa.</b>   |
| 474.        | Oil paintings.                                     | 493.        | Preoccupation. Rot. S. W.                             |
|             | <b>Brown, Mrs. Mary S., San Jose, Cal.</b>         |             | <b>Froelich, M. M., San Francisco.</b>                |
| 475.        | Grapes. Board room                                 | 493a.       | Chrysanthemums. Calif. room                           |
|             | <b>Burton, Kate, Geneva, Ill.</b>                  |             | <b>Fry, Georgie T., St. Louis.</b>                    |
|             | Conn. room   | 494.        | Mountain Brook.                                       |
| 476.        | White's Creek.                                     | 495.        | A Study.  |
| 477.        | A Country Road.                                    |             | <b>Gill, Rosalie L., New York.</b>                    |
|             | <b>Carl, Kate A., Paris, France.</b>               | 496.        | Chat. Rot. S. W.                                      |
| 478.        | Odalisque. Rot. S. W.                              |             | <b>Gray, Miss Abby, Cincinnati.</b>                   |
| 478a.       | Soap Bubbles. Rot. S. W.                           |             | Cinn. room  |
|             | <b>Cassady, Miss Cornelia S., Cincinnati.</b>      | 497.        | The Antiquarian.                                      |
| 478b.       | Portrait of Jane T. Bowler. Cinn. room             | 497a.       | Portrait of a Young Girl.                             |
| 478c.       | Portrait of Mrs. W. H. Harrison. As. room          |             | <b>Guys, Miss C., Cincinnati.</b>                     |
|             | <b>Chapman, Minerva J., Chicago.</b>               | 497b.       | Girl and Geese. Cinn. room.                           |
| 479.        | The Village Church. Rot. S. W.                     |             | <b>Grothjean, Fanny C., Boise City, Idaho.</b>        |
|             | <b>Clark, Mrs. David, New Brunswick, N. J.</b>     | 498.        | Marine.   |
| 479b.       | Peaches.   |             | <b>Hart, Letitia B., New York.</b>                    |
| 479c.       | Roses.   | 499.        | A New Book. Rot. S. W.                                |
|             | <b>Clark, Mrs. T. C., Stillwater, Minn.</b>        |             | <b>Harwood, Mrs. Hattie R., Salt Lake City, Utah.</b> |
| 480.        | Still-life Study.                                  | 500.        | Still Life. Board room                                |
|             | <b>Clarke, Sarah F., Marietta, Ga.</b>             |             | <b>Haydock, Miss Atha, Cincinnati.</b>                |
| 481.        | Buried Temple of Esneh, Egypt. Board room          |             | Cinn. room  |
|             | <b>Collis, Miss Gertrude, Morristown, N. J.</b>    | 501.        | Dolores.  |
| 482a.       | Breton Peasant.                                    | 502.        | An Evening in October.                                |
|             | <b>Coman, Mrs. C. B., Waterville, N. Y.</b>        |             | <b>Hayne, Mrs. J. T., Portland, Ore.</b>              |
| 483.        | Thistledown. Rot. S. W.                            | 503.        | Roses. Board room                                     |
|             |  |             | <b>Haynes, C. Coventry, New York.</b>                 |
|             |  | 504.        | Portrait. Rot. S. W.                                  |

## Fine Arts.

Exhibit No.		Exhibit No.	
	<b>Heynsen, Mrs. H. T., Milwaukee, Wis.</b>		<b>McCormick, Eveline, San Francisco.</b>
506.	Portrait. Rot. S. W.	526a.	Arizona Gardens, Del Monte, Cal. Calif. room.
	<b>Herrick, Caroline K., Brick Church, N. J.</b>		<b>McKinstry, Grace E., Faribault, Minn.</b>
507.	Still Life. Rot. S. W.	527.	Study of a Head. Board room
	<b>Hess, Miss Lydia P., Chicago.</b>		<b>McLaughlin, M. Louise, Cincinnati</b>
508.	Two Friends from Normandy. Rot. S. W.	528.	Portrait of Henry L. Fry. Cinn. room
	<b>Hodgshun, Mrs. A. van C., New York.</b>		<b>Mumaugh, Mrs. F. M., Omaha, Neb.</b>
508a.	Landscape. Board room	530.	Beulah's Dog.
	<b>Holmes, Miss Mary J., Chicago.</b>		<b>Natt, Phebe D., Philadelphia.</b>
509.	Portrait of Hannah Moore supposed to have been painted by Sir Joshua Reynolds.	531.	Katherine. Board room
	<b>Holt, Mrs. Maud S., Little Rock, Ark.</b>		<b>Newman, Mrs. W. B., Cincinnati.</b>
510.	Still Life. Rot. S. W.	532.	Head of Breton Woman. Cinn. room
511.	Watching and Waiting. Board room		<b>Nicholls, Rhoda H., New York.</b>
	<b>Joslyn, Kate, Janesville, Wis.</b>	533.	A Venetian Courtyard. Rot. S. W.
512.	Studies of Roses.		<b>Nourse, Miss Elizabeth, Cincinnati.</b>
	<b>Judson, W. L. New York</b>	533a.	The Pardon. Cinn. room
512a.	Portrait of Mrs. Jenness Miller. Board room	533b.	Peasant Women of Borst.
	<b>Keith, Dora Wheeler, New York.</b>	534.	<b>Owen, Mrs. Ella S., Burlington, Vt.</b>
513.	Daphne's Nymphs. Rot. S. W.		Roses. Board room
	<b>Kellogg, Alice D., Chicago.</b>		<b>Parmele, Madge B., Rochester, Minn.</b>
514.	Portrait. Board room	537.	Fruit.
	<b>Kimbrough, Mrs. C. G., Lexington, Miss.</b>		<b>Parsons, Orrin Sheldon, New York.</b>
515.	Portrait.	538.	Portrait of Mrs. Lillian Devereaux Blake. Board room
516.	Landscape.		<b>Perkins, Miss T. A., Morristown, N. J.</b>
	<b>Kinkad, Miss Mary, Lexington, Ky.</b>	538a.	Roses. Board room
516a.	Portrait of a Negress. Board room		<b>Plympton, C. A., Cincinnati.</b>
	<b>Klumpke, Anna E., Boston.</b>	539.	Fort Bayou, erected in 1692. Cinn. room
517.	Portrait of Miss M. D. Rot. S. W.		<b>Rohrer, Alice H., Worthington Minn.</b>
518.	Portrait of Justice L. Q. C. Lamar.	541.	Marine.
	<b>Lesshaft, Mrs. Ottily, Harrisburg, Pa.</b>	542.	Old Log Cabin near Spring Lake, Ia.
519.	Swabean Peasant. Board room	543.	Bachelor's Lunch.
519a.	Pre-occupation. Rot. S. W.		<b>Ronner, Henrietta, Brussels, Belgium.</b>
	<b>Lord, Miss Caroline A., Cincinnati.</b>	543a.	A Good Mother. Rot. S. W.
520.	Noon. Cinn. room		<b>Scott, Mrs. E. M., New York.</b>
520a.	Holland Sketches.	544.	Cherries. Rot. S. W.
	<b>Lownes, Anna, Philadelphia.</b>		<b>Shepley, Annie B., New York.</b>
520b.	A Study. Board room	545.	Work and Play. Rot. S. W.
	<b>Lyon, Hattie L., Bethel, Conn.</b>		<b>Sleeth, L., San Francisco.</b>
521.	A Bouquet of Onions.	545a.	Corridor in Old Mission Church. Calif. room
	<b>Mackubin, Miss Florence, Baltimore.</b>		<b>Smith, Letta C., Detroit, Mich.</b>
522.	A Florentine Mandolin Player. Board room	546.	Five O'clock Tea. Rot. S. W.
	<b>Matthews, Retta, Arlington, Ind.</b>		<b>Smith, Miss M., Minneapolis, Minn.</b>
525.	Salle de Venus, Louvre. Board room	547.	Early Morning on the Lake of the Isles.
	<b>Maynicth, Emma, Washington, D.C.</b>		<b>Solari, Mary M., Memphis, Tenn.</b>
6.	Portrait of a Child. Board room	548.	Beggars in Sympathy. Board room
			<b>Spencer, Mary, Cincinnati.</b>
		549.	Love or Money. Cinn. room

## Fine Arts.

Exhibit  
No.

550. **Stewart, Luella, M., Syracuse, N. Y.**  
Portrait of Jean Laurent. Board room
551. **Stone, Ellen J., New York.**  
Portrait. Rot. S. W.
- 551a. **Stone, Mrs. Maria L., Cincinnati.**  
Old Woman. Cinn. room
- 551b. **Storer, Mrs. Maria L., Cincinnati.**  
Old Woman. Cinn. room
- 551c. **Stroupe, Susan, San Francisco.**  
Interior Old Mexican House. Calif. room
552. **Taber, Mrs. P. C., New York.**  
Cherries. Board room
- 552a. **Tobin, Benedette B., Austin, Texas.**  
Fruit. Board room
553. **Uhler, Miss C. Estelle, Lebanon, Pa.**  
Oil painting. Board room
554. **Wachmann, Miss H., Cincinnati.**  
The Gleaners. Cinn. room
557. **Wade, Caroline D., Chicago.**  
Little Flowers. Cinn. room
558. **A Little Maid,**  
**Wadhams, Mrs. J. A., Chicago.**  
Roses. Board room
559. **Walter-Eisenlohr, L., New York.**  
Divided Attention. Board room
560. **Wampler, Miss Martha, Cincinnati.**  
Swiss Woman Knitting. Cinn. room
- 560a. **Waugh, Ida, Philadelphia.**  
Pierre. Rot. S. W.
- 560b. **Two Babies.**
- 560c. **All in Four Seconds.**
561. **West, A. M., Minneapolis, Minn.**  
Landscape.
562. **Roses.**
- 562a. **Whittemore, Mrs. M. L., Orange, N. J.**  
Homely Facts. Board room
563. **Williams, Mrs. M. D., Indianapolis, Ind.**  
A Bit of Hoosierdom. Board room
- 563a. **Willis, Mrs. Rufus A., Omaha, Neb.**  
A Character of the Missouri Bottoms. Board room
- 5 3b. **Winn, Mrs. S. M., Zanesville, O.**  
Onions. Board room
- 563c. **Wlahovitch, Anna S., Belgrade, Serbia.**  
Amusement in the Harem. Ex. room
565. **Young, Mrs. L. C., Portland, Ore.**  
Cherries. Board room

## GROUP 141.

## Paintings in Water Colors.

- Attwill, Elizabeth, Chicago,
566. Water color painting.

Exhibit  
No.

- 566a. **Bailey, Miss E. L., Trenton, N. J.**  
Marine View.
567. **Bohn, Grace G., Chicago.**  
Roses. Conn. room
568. **Brooks, Elizabeth, Chicago.**  
Springtime.
569. **On the Shenango.** Conn. room
570. **Brooks, Frances M., Chicago.**  
The Old Cider Mill. Conn. room
571. **Butler, Mrs. T. J., Prescott, Ariz.**  
Wild Flowers.
- 571a. **Colles, Gertrude, Morristown, N. J.**  
Bretton Peasant. Conn. room
- 571b. **Coughling, Miss L., Trenton, N. J.**  
Pansies.
572. **Darlington, Alice L., West Chester, Pa.**  
Portrait.
573. **Derickson, Clara M., Minneapolis, Minn.**  
A Rainy Day. S. E. dressing room
574. **Still Life.**
- 574a. **Des Granges, Helen, Chicago.**  
Chrysanthemums. Conn. room
- 574b. **Dock, Miss Laura D., Harrisburg, Pa.**  
Old Wharf in New England. E. gal., Sec. L.
- 574c. **Edgar, Isabella R., Dayton, Ohio.**  
Chrysanthemums. Conn. room
- 574d. **Windmills.** S. E. dressing room
- 574e. **Corner in a Church.** S. E. dressing room
575. **Fassett, Mrs. C. A., Washington, D. C.**  
La Marquise.
- 575a. **Fenner, Emily, South Orange, N. J.**  
Carnations. Conn. room
- 575b. **Greatorex, Kathleen H., Paris.**  
Bateau Lavoir-Moret. Rot. S. W.
- 575c. **Groff, Miss Elsie, Sewickley, Pa.**  
Poppies. Conn. room
576. **Harrison, Agnes, Minneapolis, Minn.**  
Water color. S. E. dressing room
- 576a. **Harte, Miss Jessamy, Plainfield, N. J.**  
Cosmos. Conn. room
577. **Hart, Miss Lilly M., Champaign, Ill.**  
Water color paintings of insects.
579. **Hoke, Martha H., St. Louis.**  
Water color.
580. **Hooper, Miss Anna, Wilmington, Del.**  
Water color.
581. **Huger, Katherine E., New York.**  
Fresh Tulips. S. E. dressing room
582. **Faded Tulips.**
583. **Corner of Southern Kitchen.**

## Fine Arts.

- Exhibit  
No.
- Hughes, Marie G., Salt Lake City, Utah.
585. Still Life. Board room
- 585a. Lilies. Conn. room
- Hunt, Miss F. Marcia, Cincinnati.
- 585b. Three water colors. Conn. room
- Lathrop, Mrs. A. A., Chicago.
587. Scenery in Montana. Conn. room
- Leiper, Eliza S., Chester, Pa.
588. Location of the First Railway in America. E. gal., Sec. L
- Ludwig, Kate K., Erie, Pa. Conn. room
589. Street in Old Biskra.
- 589a. Arabs on the Edge of the Desert.
- 589b. Street in Biskra.
- McDougal, Mrs. Louise F., Cincinnati.
- 589c. Rose Hill. Conn. room
- McKinstry, Grace E., Faribault, Minn.
590. Angels.
- McLean, Miss Charlotte E., Hartford, Conn.
591. Daisy Field near Stockbridge, Mass. Conn. room
- Murdock, Sarah A., Stillwater, Minn.
592. Study of Moccasin Flower.
- Myrick, M. E., Chicago.
- 592a. Arbutus. Conn. room
- Nicholls, Rhoda H., New York.
- 592b. On the Dunes. Conn. room
- Pattison, Alice M. G., St. Louis.
593. La Tuilerie. Conn. room
- Plough, Mrs. Mary K., Chambersburg, Pa.
- 593a. Butterflies. E. gal., Sec. L
- Quick, Mrs. Jennie S., Zanesville, Ohio.
- 593b. A Branch of Apples. Conn. room
- Raymond, Mrs. Carlotta, Cincinnati.
- 593c. Portrait of Mrs. P. Conn. room
- Roberts, Mrs. G. W., Highland Park, Ill.
594. Pass Through the Woods. Conn. room
- Scott, Mrs. E. M., New York. Conn. room
- 594a. Carnations.
- 594b. Petunias.
- Sherwood, Mrs. Arthur, New York.
- 594c. Water Colors. Conn. room
- Sherwood, Rosina E., New York. Conn. room
- 594d. Sleeping Child.
- 594e. Portrait.
- Shipley, Mrs. Catherine W., Cincinnati.
- 594f. The Diableret. Conn. room
- Smith, Miss M., Minneapolis, Minn.
95. Orchids.

- Exhibit  
No.
- Solari, Mary M., Memphis, Tenn. E. gal., Sec. L
596. Courtyard of Il Bargello, Florence, Italy.
597. Campanile of Santa Croce, Florence Italy.
- Stewart, Miss E., Plainfield, N. J.
- 597a. Still Life. S. E. dressing room
- 597b. Fruit. Conn. room
- Sykes, Mrs. Annie G., Cincinnati.
- 597c. Study of Phlox. Conn. room
- Tobin, Benedette B., Austin, Tex. Water color.
599. Tompkins, Abigail B., Newark, N. J.
- 599a. Winter in New Jersey. S. E. dressing room
- Tuzo, Miss J. O., Fairwood, N. Y. Conn. room
- 599b. Grapes.
- 599c. May Bloom.
- Vanderpoel, Emily N., New York.
- 599d. Spirit of the 19th Century. Rot. S. W.
- Wales, Florence, Minneapolis, Minn. S. E. dressing room
600. In the Harbor.
601. Late Afternoon.
602. Violets.
- Walmsley, Mabel, Philadelphia.
- 602a. Coat of Arms. E. gal., Sec. L
- Wells, Miss Kate, Salt Lake City, Utah.
- 602b. Yellow Bull, Chief of the Sioux. E. gal., Sec. O
- West, A. M., Minneapolis, Minn.
603. Old Bridge in Wales.
- Whittemore, Mrs. M. L., Orange, N. J.
- 603a. Wreck on the Jersey Coast. S. E. dressing room
- Wood, Virginia H., Ivy Depot, Va. Conn. room
- 603b. Violets.
- 603c. Ole Virginie.

## GROUP 142.

- Paintings on Ivory, on Enamel, on Metal, on Porcelain, or other Wares; Fresco Painting on Walls and Tapestry Painting.
604. Anderson, Louise C., Chicago. Paintings on porcelain. N. wing, D. 10
605. Archambault, Miss Agnes M., Philadelphia. Tapestry painting—"The Madonna." N. gal.
606. Axtell, Miss Ella C., St. Louis. Portraits on china. Ex. room
- 606a. Basebe, C. E., Larkspur, Cal. Portrait on porcelain. Board room

## Fine Arts.

- | Exhibit No. | Exhibit  | Exhibit No. | Exhibit   |
|-------------|--|-------------|---|
| 606b.       | Blakesley, Ella A., Rock Island, Ill.<br>Paintings on porcelain.<br>N. wing, B-D, 10                               | 620a.       | Greenleaf, W. G., Chicago.<br>Porcelain paintings.<br>N. wing, D, 8   |
| 607.        | Board of Women Managers of the<br>State of New York.<br>Miniatures.  | 620b.       | Harrison, Mrs. Russel B., Omaha,<br>Neb.<br>Panel of Orchids. N. wing, B, 7-8   |
| 607a.       | Boussod, Valadon & Co., New York.<br>Tapestries. N gal.  | 620c.       | Hawley, Mrs. E. A., Omaha, Neb.<br>Head painted on porcelain.<br>N. wing, B, 7-8  |
| 608.        | Buell, Miss, Cincinnati.<br>Tapestry painting on fire screen.<br>Cinn. room  | 620d.       | Hayes, Miss Carrie L., Columbus,<br>Ohio.<br>Paintings on porcelain.<br>N. wing, F, 9                                   |
| 608a.       | Butterfield, Miss M., Omaha, Neb.<br>Painting on porcelain—Love Asleep<br>(after Perrault) N. wing, B, 7-8         | 620e.       | Heuermann, Magda, Chicago.<br>Porcelain painting—The Vacant Chair.<br>N. wing, E. wall                                  |
| 609.        | Butts, Mrs. S., Dennison, Tex.<br>Oil paintings in relief on plush, canvas,<br>etc.                                | 621.        | Heynsen, Mrs. John, Milwaukee,<br>Wis.<br>Painting on tapestry.   |
| 610.        | Cassatt, Miss Mary, Paris, France.<br>Decorative panel in south tympanum<br>in Woman's Building—Modern Wo-<br>man. | 621a.       | Hodgdon, Mrs. Louise T., Prov-<br>dence, R. I.<br>Painting on porcelain—"In Arcady."<br>N. wing, D, 8                   |
| 611.        | Coles, Miss Agnes, New Rochelle,<br>N. Y.<br>Miniatures on marble and ivory.<br>N. wing                            | 622.        | Hoke, Martha H., St. Louis.<br>Miniatures on ivory.   |
| 612.        | Dana, Mrs. Mary H., New Haven, Vt.<br>Paintings on marble.   | 623.        | Keith, Dora Wheeler, New York.<br>Painted ceiling. In N. Y. Lib. room.  |
| 613.        | Dodge, Virginia V., Beverly, Ohio.<br>Paintings on velvet and porcelain.   | 623a.       | Kier, Miss S. J., Pittsburg, Pa.<br>Painting on porcelain—"Court<br>Beauty." N. wing, D, 8                              |
| 613a.       | Downes, Mrs., Omaha, Neb.<br>Painting on porcelain.<br>N. wing, A-C, 7-8   | 624.        | Kittredge, Emma A., Chicago.<br>Paintings on porcelain. N. wing, D, 10  |
| 613b.       | Eastapiere, Miss C. E., Youngs-<br>town, Ohio.<br>Painting on porcelain.<br>N. wing, F, 9                          | 624a.       | Kracht, Miss Martha, Scranton, Pa.<br>Table spread, painted on satin.<br>N. wing, A, 8-9                                |
| 613c.       | Ely, Mrs. M. M., Wausaukee, Wis.<br>Tapestry—Moses in the Bulrushes.<br>N. E. stairway                             | 624b.       | Loesser, Elizabeth H., Pittsburg,<br>Pa.<br>Portrait on porcelain. N. wing, D, 8  |
| 614.        | Emmet, Miss Lydia, New York.<br>Decorative panels on west side of<br>gallery in Woman's Building.                  | 625.        | MacMonnies, Mrs., Paris, France.<br>Decorative panel in north tympanum<br>of Woman's Building—Primitive<br>Woman.       |
| 614a.       | Estabrooke, Mrs. H. D., Omaha,<br>Neb.<br>Painting on porcelain—"Psyche."<br>N. wing, A-C 7-8                      | 625a.       | Martin, Mrs. Euclid, Omaha, Neb.<br>Painting on porcelain—"Nature's<br>Mirror" (after Paul Thurman).<br>N. wing, B, 7-8 |
| 615.        | Fairchild, Miss, Boston.<br>Decorative panels on east side of gal-<br>lery in Woman's Building.                    | 626.        | McKinstry, Grace E., Fairbank,<br>Minn.<br>Painting on tapestry.  |
| 617.        | Foster, Marie B., Chicago.<br>Paintings on porcelain. N. wing, D, 10   | 627.        | McLean, Eugenie, Pullman, Ill.<br>Painted tapestry.   |
| 618.        | Frazee, Mrs. A., Chicago.<br>Sketch on porcelain.  | 628.        | Mann, Mrs. W. L., Chicago.<br>Paintings on porcelain. N. wing, D, 10  |
| 619.        | Fuldmer, Miss L., Milwaukee, Wis.<br>Embroidered picture.  | 628a.       | Miles, Anna M., Chicago.<br>Portrait of the Dauphin. N. wing, D, 8  |
| 620.        | Greenleaf, Mrs. Walter, Riverside, Ill.<br>Paintings on porcelain. N. wing, D, 10.                                 | 628b.       | Morrow, Mrs. J. C., Omaha, Neb.<br>Painting on porcelain—"Psyche<br>Mourning" (after Kray). N. wing, A, 8               |

## Fine Arts.

- Exhibit  
No.
629. Neale, Mrs. Vincent, San Rafael, Cal.  
Paintings on china.
- 629a. Oliver, Anna, Orange, N. J.  
Decorative painting on canvas.
630. Payen, Cecile E., Chicago.  
Miniatures painted on ivory.  
Conn. room
- 630a. Phillips, Mrs. L. V., Omaha, Neb.  
Paintings on porcelain and miniature.  
N. wing, A-C, 7-8
631. Ryerson, Nellie C., Florence, Italy.  
Painted tapestries.  
Board room, N. E. stairway and N. gal.
632. Salmon, Florence E., New York.  
Painted tapestry wall hangings.
- 632a. Savage, Miss Constance H., Summit, N. J.  
Miniature. N. wing, B, 10
633. Sewell, Mrs. Amanda B., New York.  
Decorative panels on east side of gallery in Woman's Building.
634. Sherwood, Rosina E., New York.  
Decorative panels on west side of gallery in Woman's Building.
- 634a. Simeral, Mrs. Wm., Omaha, Neb.  
Painting on porcelain—Mme. Recamier. N. wing, A-C, 7-8
- 634b. Sprague, H. E., New York.  
Paintings on porcelain. N. wing, D, 8
635. Stevens, E. Jane, Washington, D. C.  
Tapestry (Gumevere). Board room
636. Tobin, Benedette B., Austin, Tex.  
Tapestry painting.
- 636a. Torreyson, J., Carson City, Nev.  
Painted panel. N. wing, E, 9
- 636b. Turrian, Ellen, Little Ferry, N. J.  
Portrait on porcelain of Ellen Terry.  
N. wing, B, 10
637. Walker, Miss Lou, Fayetteville, Ark.  
Painted piano cover.
638. Walker, Miss Mary E., Flushing, N. Y.  
Miniatures on porcelain.
639. Walsley, Mabel, Philadelphia.  
Heraldic painting on vellum.  
E. gal., Sec. L
640. Webbing, Miss Ethel, New York.  
Miniatures painted on ivory.
641. White, Emma G., Portland, Ore.  
Pictures on porcelain. N. wing, A, 7
- 641a. White, Mrs. F. S., Plattsmouth, Neb.  
Painting on porcelain. Portrait of Dr. Livingston. N. wing, B, 7
- 641b. Wickes, Ellen P., Englewood, N. J.  
Painting on porcelain. N. wing, B, 10
- 641c. Williams, Miss Minna, Cincinnati.  
Miniatures. Cinn. room

- Exhibit  
No.
- 641d. Wing, Mrs. W. S., Omaha, Neb.  
Painting on porcelain—Wasp's Nest (after Bouguereau) N. wing, B, 7-8

## GROUP 148.

## Engravings and Etchings; Prints.

- 641e. Allen, Jennie H., Beverly, N. J.  
Engravings. N. wing, B, 10
- 641f. Clements, Gabrielle D., Philadelphia.  
Etching. E. gal., Sec. K
- 641g. Dillaye, Blanche, Philadelphia.  
Etching—Lights of Venice.  
E. gal., Sec. K
- 641h. Earl, Frances N., Philadelphia.  
Wood engravings. E. gal., Sec. K
- 641i. Este, Florence, Philadelphia.  
Etching. E. gal., Sec. K
- 641j. Farnsworth, Mrs. E. J., Albany, N. Y.  
Engravings. E. gal. Sec. N
- 641k. Getchell, Edith L., Philadelphia.  
Etchings—Morning, Noon and Night.  
E. gal., Sec. K
642. Gilliland, Anna M., Plattsburg, N. Y.  
Wood engravings.
643. Lord, Miss Caroline A., Cincinnati.  
Engravings.
- 643a. Lloyd, M. S., Philadelphia.  
Etching. E. gal., Sec. K
- 643b. Matlock, Eleanor, Philadelphia.  
Etchings. E. gal., Sec. K
- 643c. Pierce, Edith L., Philadelphia.  
Etching. E. gal., Sec. K
644. Powell, Caroline A., Trenton, N. J.  
Artist proofs of wood engravings.  
E. gal., Sec. L
- 644a. Rumpp, M. S., Philadelphia.  
Wood engravings. E. gal., Sec. J
- 644b. Sartain, Emily, Philadelphia.  
Mezzotint engravings.  
E. gal., Secs. J and K
645. Shipman, Miss Rebecca A., Lewistown, Mont.  
Proofs of wood engravings.
- 645a. Slade, E. Almey, New York.  
Etchings. E. gal., Sec. N
646. Sussemilch, Miss Charlotte von, Delavan, Wis.  
Book of etchings, etc.
- 646a. Taylor, M. M., Philadelphia.  
Etching. E. gal., Sec. K
- 646b. Williams, Miss Minna, Cincinnati.  
Cinn. room  
Landscape. (Wood engraving.)  
Portrait of a Woman. (Steel engraving.)  
Portrait of a Man. (Steel engraving.)  
Les Voyageurs. (Dry point.)

## Fine Arts.

- | Exhibit<br>No.   | Exhibit<br>No.   |
|--|--|
| 606b. <b>Blakesley, Ella A., Rock Island, Ill.</b><br>Paintings on porcelain.<br>N. wing, B-D, 10                              | 620a. <b>Greenleaf, W. G., Chicago.</b><br>Porcelain paintings.<br>N. wing, D, 8   |
| 607. <b>Board of Women Managers of the<br/>State of New York.</b><br>Miniatures.   | 620b. <b>Harrison, Mrs. Russel B., Omaha,<br/>Neb.</b><br>Panel of Orchids. N. wing, B, 7-8  |
| 607a. <b>Boussod, Valadon &amp; Co., New York.</b><br>Tapestries. N gal.   | 620c. <b>Hawley, Mrs. E. A., Omaha, Neb.</b><br>Head painted on porcelain.<br>N. wing, B, 7-8  |
| 608. <b>Buell, Miss, Cincinnati.</b><br>Tapestry painting on fire screen.<br>Cinn. room  | 620d. <b>Hayes, Miss Carrie L., Columbus,<br/>Ohio.</b><br>Paintings on porcelain.<br>N. wing, F, 9                                  |
| 608a. <b>Butterfield, Miss M., Omaha, Neb.</b><br>Painting on porcelain—Love Asleep<br>(after Perrault) N. wing, B, 7-8        | 620e. <b>Heuermann, Magda, Chicago.</b><br>Porcelain painting—The Vacant Chair.<br>N. wing, E. wall                                  |
| 609. <b>Butts, Mrs. S., Dennison, Tex.</b><br>Oil paintings in relief on plush, canvas,<br>etc.                                | 621. <b>Heynssen, Mrs. John, Milwaukee,<br/>Wis.</b><br>Painting on tapestry.  |
| 610. <b>Cassatt, Miss Mary, Paris, France.</b><br>Decorative panel in south tympanum<br>in Woman's Building—Modern Wo-<br>man. | 621a. <b>Hodgdon, Mrs. Louise T., Provi-<br/>dence, R. I.</b><br>Painting on porcelain—"In Arcady."<br>N. wing, D, 8                 |
| 611. <b>Coles, Miss Agnes, New Rochelle,<br/>N. Y.</b><br>Miniatures on marble and ivory.<br>N. wing                           | 622. <b>Hoke, Martha H., St. Louis.</b><br>Miniatures on ivory.  |
| 612. <b>Dana, Mrs. Mary H., New Haven, Vt.</b><br>Paintings on marble.   | 623. <b>Keith, Dora Wheeler, New York.</b><br>Painted ceiling. In N. Y. Lib. room.   |
| 613. <b>Dodge, Virginia V., Beverly, Ohio.</b><br>Paintings on velvet and porcelain.   | 623a. <b>Kier, Miss S. J., Pittsburg, Pa.</b><br>Painting on porcelain—"Court<br>Beauty." N. wing, D, 8                              |
| 613a. <b>Downes, Mrs., Omaha, Neb.</b><br>Painting on porcelain.<br>N. wing, A-C, 7-8  | 624. <b>Kittredge, Emma A., Chicago.</b><br>Paintings on porcelain. N. wing, D, 10   |
| 613b. <b>Eastapiere, Miss C. E., Youngs-<br/>town, Ohio.</b><br>Painting on porcelain.<br>N. wing, F, 9                        | 624a. <b>Kracht, Miss Martha, Scranton, Pa.</b><br>Table spread, painted on satin.<br>N. wing, A, 8-9                                |
| 613c. <b>Ely, Mrs. M. M., Wausaukee, Wis.</b><br>Tapestry—Moses in the Bulrushes.<br>N. E. stairway                            | 624b. <b>Loesser, Elizabeth H., Pittsburg,<br/>Pa.</b><br>Portrait on porcelain. N. wing, D, 8                                       |
| 614. <b>Emmet, Miss Lydia, New York.</b><br>Decorative panels on west side of<br>gallery in Woman's Building.                  | 625. <b>MacMonnies, Mrs., Paris, France.</b><br>Decorative panel in north tympanum<br>of Woman's Building—Primitive<br>Woman.        |
| 614a. <b>Estabrooke, Mrs. H. D., Omaha,<br/>Neb.</b><br>Painting on porcelain—"Psyche."<br>N. wing, A-C 7-8                    | 625a. <b>Martin, Mrs. Euclid, Omaha, Neb.</b><br>Painting on porcelain—"Nature's<br>Mirror" (after Paul Thurman).<br>N. wing, B, 7-8 |
| 615. <b>Fairchild, Miss, Boston.</b><br>Decorative panels on east side of gal-<br>lery in Woman's Building.                    | 626. <b>McKinstry, Grace E., Fairbank,<br/>Minn.</b><br>Painting on tapestry.  |
| 617. <b>Foster, Marie B., Chicago.</b><br>Paintings on porcelain. N. wing, D, 10   | 627. <b>McLean, Eugenie, Pullman, Ill.</b><br>Painted tapestry.  |
| 618. <b>Frazee, Mrs. A., Chicago.</b><br>Sketch on porcelain.  | 628. <b>Mann, Mrs. W. L., Chicago.</b><br>Paintings on porcelain. N. wing, D, 10   |
| 619. <b>Fulmer, Miss L., Milwaukee, Wis.</b><br>Embroidered picture.   | 628a. <b>Miles, Anna M., Chicago.</b><br>Portrait of the Dauphin. N. wing, D, 8  |
| 620. <b>Greenleaf, Mrs. Walter, Riverside, Ill.</b><br>Paintings on porcelain. N. wing, D, 10.                                 | 628b. <b>Morrow, Mrs. J. C., Omaha, Neb.</b><br>Painting on porcelain—"Psyche<br>Mourning" (after Kray). N. wing, A, 8               |

## Fine Arts.

- Exhibit  
No.
629. Neale, Mrs. Vincent, San Rafael, Cal.  
Paintings on china.
- 629a. Oliver, Anna, Orange, N. J.  
Decorative painting on canvas.
630. Payen, Cecile E., Chicago.  
Miniatures painted on ivory.  
Conn. room
- 630a. Phillips, Mrs. L. V., Omaha, Neb.  
Paintings on porcelain and miniature.  
N. wing, A-C, 7-8
631. Ryerson, Nellie C., Florence, Italy.  
Painted tapestries.  
Board room, N. E. stairway and N. gal.
632. Salmon, Florence E., New York.  
Painted tapestry wall hangings.
- 632a. Savage, Miss Constance H., Summit, N. J.  
Miniature. N. wing, B, 10
633. Sewell, Mrs. Amanda B., New York.  
Decorative panels on east side of gallery in Woman's Building.
634. Sherwood, Rosina E., New York.  
Decorative panels on west side of gallery in Woman's Building.
- 634a. Simeral, Mrs. Wm., Omaha, Neb.  
Painting on porcelain—Mme. Recamier. N. wing, A-C, 7-8
- 634b. Sprague, H. E., New York.  
Paintings on porcelain. N. wing, D, 8
635. Stevens, E. Jane, Washington, D. C.  
Tapestry (Guinevere). Board room.
636. Tobin, Benedette B., Austin, Tex.  
Tapestry painting.
- 636a. Torreyson, J., Carson City, Nev.  
Painted panel. N. wing, E, 9
- 636b. Turrian, Ellen, Little Ferry, N. J.  
Portrait on porcelain of Ellen Terry.  
N. wing, B, 10
637. Walker, Miss Lou, Fayetteville, Ark.  
Painted piano cover.
638. Walker, Miss Mary E., Flushing, N. Y.  
Miniatures on porcelain.
639. Walmsley, Mabel, Philadelphia.  
Heraldic painting on vellum.  
E: gal., Sec. L
640. Webbing, Miss Ethel, New York.  
Miniatures painted on ivory.
641. White, Emma G., Portland, Ore.  
Pictures on porcelain. N. wing, A, 7
- 641a. White, Mrs. F. S., Plattsmouth, Neb.  
Painting on porcelain. Portrait of Dr. Livingston. N. wing, B, 7
- 642b. Wickes, Ellen P., Englewood, N. J.  
Painting on porcelain. N. wing, B, 10
- 642c. Williams, Miss Minna, Cincinnati.  
Miniatures. Cinn. room

- Exhibit  
No.
- 642d. Wing, Mrs. W. S., Omaha, Neb.  
Painting on porcelain—Wasp's Nest (after Bouguereau.) N. wing, B, 7-8
- GROUP 148.
- Engravings and Etchings; Prints.
- 642e. Allen, Jennie H., Beverly, N. J.  
Engravings. N. wing, B, 10
- 642f. Clements, Gabrielle D., Philadelphia.  
Etching. E gal., Sec. K
- 642g. Dillaye, Blanche, Philadelphia.  
Etching—Lights of Venice.  
E gal., Sec. K
- 642h. Earl, Frances N., Philadelphia.  
Wood engravings. E gal., Sec. K
- 642i. Este, Florence, Philadelphia.  
Etching. E gal., Sec. K
- 642j. Farnsworth, Mrs. E. J., Albany, N. Y.  
Engravings. E gal. Sec. N
- 642k. Getchell, Edith L., Philadelphia.  
Etchings—Morning, Noon and Night.  
E gal., Sec. K
642. Gilliland, Anna M., Plattsburg, N. Y.  
Wood engravings.
643. Lord, Miss Caroline A., Cincinnati.  
Engravings.
- 643a. Lloyd, M. S., Philadelphia.  
Etching. E gal., Sec. K
- 643b. Matlock, Eleanor, Philadelphia.  
Etchings. E gal., Sec. K
- 643c. Pierce, Edith L., Philadelphia.  
Etching. E gal., Sec. K
644. Powell, Caroline A., Trenton, N. J.  
Artist proofs of wood engravings.  
E gal., Sec. L
- 644a. Rumpp, M. S., Philadelphia.  
Wood engravings. E gal., Sec. J
- 644b. Sartain, Emily, Philadelphia.  
Mezzotint engravings.  
E gal., Secs. J and K
645. Shipman, Miss Rebecca A., Lewistown, Mont.  
Proofs of wood engravings.
- 645a. Slade, E. Almey, New York.  
Etchings. E gal., Sec. N
646. Sussemilch, Miss Charlotte von, Delavan, Wis.  
Book of etchings, etc.
- 646a. Taylor, M. M., Philadelphia.  
Etching. E gal., Sec. K
- 646b. Williams, Miss Minna, Cincinnati.  
Cinn. room  
Landscape. (Wood engraving.)  
Portrait of a Woman. (Steel engraving.)  
Portrait of a Man. (Steel engraving.)  
Les Voyageurs. (Dry point.)

## Fine Arts.

## GROUP 144.

## Chalk, Charcoal, Pastel and Other Drawings.

Exhibit

No.

647. Albright, Mrs. Franc L., Albuquerque, N. M.

Crayons and pastels.

647a. Allen, Miss J. Hovey, Beverley, N. J.

Pen and ink drawings.

648. Anderson, Jessie B., Moorhead, Minn.

Lead-pencil sketches.

649. Blake, Elizabeth, Prescott, Ariz.

Crayon portrait.

649a. Bohn, Miss Marie, Great Falls, Mont.

Pencil drawings. Rec. room

650. Brown, Mrs. Delia F. H., Pinerolo, Italy.

Aquatelles.

651. Bucy, Mrs. Estelle, Detroit, Mich.

Crayon portraits.

652. Carlisle, Miss M. H., Denver, Col.

Portrait of Miss Blanch Dougan.

Rot. S. W.

652a. Cassatt, Miss Mary, Paris, France.

Pastel—The Young Mother. Rot. S. W.

653. Clark, Mrs. T. C., Stillwater, Minn.

Free hand drawing.

654. Comstock, Anna B., Ithaca, N. Y.

Drawings of insects for engraving.

Sci. room

655. Culbertson, M. E. B., Richmond, Ind.

Maria Monk's daughter.

656. Degges, Kate P., St. Louis.

Crayon—Old Salem on the Sangamon, the early home of Abraham Lincoln in Illinois.

657. Dougan, Miss Blanch, Denver, Col.

Devoted to the Virgin.

657a. Emmet, Lydia, New York.

Pastel portrait study. Rot. S. W.

658. Fassett, Mrs. C. A., Washington, D. C.

India ink drawing.

659. Foote, Mary H., Boise City, Idaho.

India ink drawings. E gal., Sec. L

Afternoon at a Ranch.

The Hill Pastures.

660. Hart, Miss Lilly M., Champaign, Ill.

Drawings of insects and crustaceans.

662. Heynsen, Mrs. Jahn, Milwaukee, Wis.

Pastel portrait.

663. Jekyll, Emily, Wichita, Kas.

Figure in pastel.

663a. Lippincott, Margaret, Philadelphia.

Pen and ink drawings.

E gal., Sec. I and Edu. room

663b. Lord, Miss Caroline A., Cincinnati.

Holland sketches in pen and ink.

Cinn. room

Exhibit

No.

663c. Maclean, Pauline I., Camden, N. J.

Three freehand drawings.

Conn. room

664. Natt, Phebe D., Philadelphia.

Pen and ink sketches.

E gal., Secs. I and J

665. Ritterhoff, Miss Amalie, Newark, N. J.

Pen sketches, etc.

665a. Slater, Mrs. S. C., Orange, N. J.

Sketches. N. wing, B, 10

665b. Smith, Mrs. Le Comas M., New Orleans.

Pastel portrait. Board room

666. Smith, Miss M., Minneapolis, Minn.

Fruit in pastel.

667. Sparks, Mrs. George W., Wilmington, Del.

Pastel painting.

668. Solari, Mary M., Memphis, Tenn.

Crayon work.

E gal., Sec. L and N. W. stairway

669. Suessmilch, Miss Charlotte von, Delavan, Wis.

Crayon of Napoleon I painted from life.

669a. Torreyson, J., Carson City, Nev.

Pen and ink sketches. N. wing, E. 9

## GROUP 145.

## Intaglios.

669b. Hammond, Miss J. M., Boston.

Intaglios. Conn. room

669c. Prescott, Katherine T., Boston.

Intaglios and bronze medallions.

N. wing, A, 9 and Conn. room

669d. Sears, Miss, Trenton, N. J.

Intaglio vase. N. wing, B, 10

## GROUP 146.

## Exhibits of Private Collections and Relics.

670. Albright, Mrs. Franc L., Albuquerque, N. M.

Private collection of antiques.

670a. Barrett, Mrs. Elizabeth B., Butte, Mont.

Small trunk, a relic of the revolutionary war, and paper script of 1776.

N. wing, A, 7

670b. Bucks County, Pennsylvania, Women of.

Pin cushion made from piece of wedding dress of Elizabeth Shewell, wife of Benjamin West.

N. wing, A, 8-9

670c. Burton, Mrs. Ruth A., Butte, Mont.

Stone jug over 100 years old.

N. wing, A, 7

## Fine Arts, Liberal Arts.

Exhibit No.	Class'n No.
670d. Churchill, Mrs. S. L., Butte, Mont. Pitcher 150 years old and jug 200 years old. N. wing, A, 7	
670e. Crosby, F. M., Hastings, Minn. Copy of Beaumont and Fletcher's comedies, dated 1647. N. wing, E, 10	
670f. Ellis, C., St. Peter, Minn. Plate 200 years old. N. wing, E, 10	
670g. Fleckenstein, Joseph, Faribault, Minn. Copy of Bible 300 years old. N. wing, E, 10	
670h. Freer, A. C., Winnebago City, Minn. Box of dominoes and cards. N. wing, E, 10	
670i. Gowland, Mrs. Henry, Mankato, Minn. China loving cup 150 years old and caddy spoon 200 years old. N. wing, E, 10	
670j. Greiner, H. C., Somerset, Ohio. Silk American flag made by Mary Sheridan, mother of Gen. P. H. Sheridan, at the age of 87 years, and the first exhibit received for the Woman's Building. Rot. case 21	
670k. Hunt, Mrs. L. P., Mankato, Minn. Elzevir edition of the Bible. N. wing, E, 10	
670l. Lambert, Mrs. J. B., Hastings, Minn. Ancient embroidered baptismal cloth. N. wing, E, 10	
670m. Otto, Mrs. Annie, Mankato, Minn. Small book, date 1546, iron trunk, said to have been used by Napoleon, watch chain, cameo, etc. N. wing, E, 10	
670n. Thompson, Mrs. W. L., Myrna, Minn. Portrait of Jenny Lind. N. wing, E, 10	
670o. Waldman, Mrs. C., Minneapolis, Minn. Small Bible. N. wing, E, 10	

**DEPT. L.—LIBERAL ARTS.****GROUP 147.****Physical Development, Training and Condition—Hygiene.**

670p. Bellevue Hospital Training School for Nurses, New York. Photographs, statistics, costume doll, etc. Edu. room 832	
670q. Brooklyn Hospital Training School for Nurses, Brooklyn, N. Y. Photographs, samples of bandaging, appliances, etc. Edu. room 832	
671. Carpenter, Emma H., Springfield, Vt. Surgical bandage. Inv. room 832	
672. Chinese Woman's and Girls' Home Society, Portland, Ore. Photograph and chart. Edu. room 831	
674. Elkins, Miss Fannie, New York. Plates, drawings, models and photographs. Edu. room 832	

Exhibit No.	Class'n No.
675. Humphrey, T. G., Hays City, Kas. Vapor cabinet. Edu. room 832	
675a. Illinois Woman's Exposition Board. Model corn kitchen. N. W. gal. 826	
Illinois corn kitchen, model kitchen, Woman's Building. Free demonstration lessons 10:30 daily by Sarah T. Rorer, principal Philadelphia Cooking School, editor Household News, author Mrs. Rorer's Cook Book.	
675b. Mount Sinai Training School for Nurses, New York. Photographs, instruments, appliances and records. Edu. room 832	
676. Murphy, Mrs. Mary A., San Francisco. Metal hot-water appliances. Edu. room 832	
676a. Neal, Miss Sarah C., Newark, N. J. Crotcheted baby basket. Inv. room 824	
676b. New York City Training School for Nurses, New York. Photographs. Edu. room 832	
676c. New York Hospital Training School for Nurses, New York. Photographs, appliances, statistics, etc. Edu. room 832	
677. Nurses' Training School of Presbyterian Hospital, New York. Miniature fully equipped ward. Edu. room 832	
677a. Orphans' Home and Hospital, Albany, Ore. Statistics and picture. Edu. room 831	
678. Ovington, Irene H., Brooklyn, N. Y. Bed pan. Edu. room 832	
678a. Philadelphia Hospital Training School for Nurses, Philadelphia. Exhibit of methods and appliances. Edu. room 832	
679. Provident Dispensary, Rochester, N. Y. Photographs and statistics. Edu. room 832	
680. Romney, Mrs. C. W., Chicago. Inv. room 829	
a Laborers' dinner pail and heat conservers. 829	
b Water filters. 829	
680a. Stuckert, Mrs. M. Coleman, Denver, Col. Plan and model for cooperative housekeeping. Edu. room 827	
681. Training School for Nurses, Brooklyn Homeopathic Hospital, Brooklyn, N. Y. Photographs, reports, appliances and figure showing method of bandaging. Edu. room 832	
682. Wood, Miss Alice, Muskegon, Mich. Model of toboggan slide. Inv. room 825	
682a. Woman's Hospital and Foundling Home, Detroit, Mich. Photographs. Edu. room 832	

## Liberal Arts.

## GROUP 148.

Instruments and Apparatus of Medicine,  
Surgery and Prosthesis.

Exhibit No.	Class'n No.
683. Eppe, Louise, Chicago. Supporters, trusses and bandages.	Inv. room 837
683a. Wolfsbruck, Carrie, New York. Artificial teeth.	Pro. room 839

## GROUP 149.

## Primary, Secondary and Superior Education, Designs, Dress Making, Etc.

684. Abel, Elizabeth J., Philadelphia. Design for stained glass.	Pro. room 852
685. American College for Girls, Scutari, Turkey. Work of the students.	Edu. room 851
686. Arnold, Miss A. A., Minneapolis, Minn. Work of school girls.	Edu. room 850
687. Bachmann, Sophia E., Chicago. Copy book for the blind.	Edu. room 849
688. Banniwel, Norma, Hickory, N. C. Design for cabinet by girl 15 years old.	Edu. room 852
689. Beecher, Mrs. H. F., Port Townsend, Wash. Easel.	Edu. room 852
690. Bryn Mawr School, Baltimore. Model of school, photographs and statistics.	Edu. room 851
690a. Cameron, Anna F., Chester, Neb. Design for silver candelabrum.	Assem. room 852
691. Chicago Trade School, Dressmaking Dept., Chicago. Models in full dress, charts, etc.	Edu. room 843
692. Corey, Mrs. L. S., Harvard, Neb. Historical blocks and panels.	Edu. room 841
692a. Culver, Theodosia, Philadelphia. Design for oil cloth.	Edu. room 852
692b. Detroit Industrial School Association, Detroit, Mich. Kindergarten work.	Edu. room 841
692c. Donnelly, Ellen, Garden City, N. Y. Garment forms.	Inv. room 843
692d. Doud, Bertha L., Philadelphia. Design for oil cloth.	Edu. room 852
692e. Dyker's Institute, New Orleans. Essays.	Edu. room 851
692f. Fisk, Amy B., Montpelier, Vt. Kindergarten work.	Edu. room 841
692g. Guthrie, Mrs. M., Wichita, Kan. Adjustable form.	Inv. room 843
692h. Hale, Mrs. Geo. S., Boston. Designs for wall paper, tiling and carpets.	N. wing, D, 10 852

Exhibit No.	Class'n No.
692i. Humphrey, Mary M., Philadelphia. Design for cushion.	Edu. room 852
692j. Hutchison, Mrs. F. G., Cedar Rapids, Iowa. Designs for silk.	N. wing, D-E, 4 852
692k. Industrial School, Detroit, Mich. Sloyd and kindergarten work.	Edu. room 843
693. Kellogg, Mrs. Martha E., Battle Creek, Mich. System of dress cutting and design for matching fabrics.	Inv. room and N. wing, D-E, 3 843
693a. Ketchum, Mrs. E., Providence, R. I. Fraction balls and pamphlets.	Edu. room 842
694. King's Daughters, St. Peter, Minn. Fancy work done by women patients in the hospital for the insane.	Edu. room 849
695. Kuntze, Miss F. B., Trenton, N. J. Design for needle-work.	Edu. room 852
695a. Law, Miss Mary, Toledo, Ohio. Kindergarten exhibit.	Edu. room 841
696. Maxson, Miss Amelia, Minneapolis, Minn. Tailor system.	Inv. room 843
697. Michener, Mrs. Mary, Ogontz, Pa. Dress-making chart.	Edu. room 843
697a. Mitchell, Mrs. Esther D., Cincinnati. Design for book cover.	Cinn. room 852
698. Monticello Seminary, Godfrey, Ill. Statistics and work.	Org. room 851
698a. Oliver, Miss, Orange, N. J. Design for frieze.	N. wing, B, 10 852
699. Petterson, Miss Maria, Chicago. Samples of sloyd work to be taught to girls in the common schools.	Edu. room 850
699a. Pratt Institute, Alumnae Ass'n of Brooklyn, N. Y. Samples of work.	Edu. room 843
700. Repley, Mrs. E. C., Hartford, Conn. Designs for wall-paper.	Edu. room 852
701. School of Applied Design for Women, New York. Designs as applied to wall-paper, carpets and the work of an architect's draughtsman, with samples of completed work.	Edu. room 852
702. School of Industrial Art and Technical Designs for Women, New York. Working designs for carpets, wall-papers, printed textiles, etc., with specimens of fabrics.	Edu. room 852
703. Sisters of the Academy of Visitation, Washington, D. C. Books and charts.	Edu. room 851
703a. Slater, Miss, Orange, N. J. Designs.	N. wing, B, 10 852

## Liberal Arts.

Exhibit No.	Class'n No.
704. State of New Jersey. Statistics of female education and professions of the State. Rec. room 858	
704a. Stewart, Margaret M., Philadelphia. Design for oil cloth. Edu. room 852	
704b. St. Joseph Industrial School, Albany, N. Y. Infant's dress. 843	
704c. Terry, Miss M. C., Zanesville, Ohio. Designs for wall paper. Edu. room 852	
705. Thompson, Mrs. F. E., Kansas City, Mo. Garment cutter. Edu. room 843	
705a. Titus, Mrs. M. P., Design for wall paper. Edu. room 852	
705b. Washington Female Seminary, Washington, Pa. Photographs of building and teachers, with carved frame. As. room 851	
706. Williamson, Mary A., Indianapolis, Ind. Designs for embroidery executed and exhibited by the women of Indiana. Edu. room 852	
706a. Woolley, Carrie J., Lime Ridge, Pa. Designs for wall paper and carpet. Edu. room 852	
706b. Zinn, Miss Edith, Circleville, Ohio. Designs in wall paper and floor oilcloth. Edu. room 852	

## GROUP 150.

## Literature, Books, Libraries, Journalism.

707. Anthony, Mary E., Philadelphia. Biographical, poetical and prose works in manuscript. N. Y. Lib. 854	
707a. Appleton & Co., New York. Linton's chart of England. N. Y. Lib. 864	
707b. Barrett, Mrs. A. H., Butte City, Mont. Book—The Holy War. N. wing, A, 7 854	
707c. Billinger, Miss Burnette, Livingston, Mont. Exhibit of stenography. Edu. room 859	
708. Campbell, Mrs. Ellis L., Wayne, Pa. Whittier's Centennial Hymn illuminated. N. Y. Lib. 854	
708a. Colorado World's Fair Board, Women of the, Denver, Col. Works by Colorado women. N. Y. Lib. 854	
708b. Crane, Miss Agnes O., Elizabeth, N. J. Book. The wedding gown. N. wing, B, 10 854	
708c. Fargo, Louise M., Lake Mills, Wis. Two illustrated poems—framed. E. gal., Sec. N. 854	
708d. Foote, Mary H., California. Book illustrations. 854	
708e. Grace, Nellie R., Burns, Ore. Books and book making. 854	

Exhibit No.	Class'n No.
709a. Gunther, C. F., Chicago. Martha Washington's Bible. Org. room 854	
709b. Holkin, Mrs. James, Butte, Mont. Assembly's Shorter Catechism. N. wing, A, 7, 854	
710. Hollister, Mrs. Harvey J., Grand Rapids, Mich. Hymns showing styles of illumination in different periods. 854	
710a. Hill, Mrs. Alice S., Colorado Springs, Col. Water color illustrations of H. H.'s "Procession of the Flowers." N. Y. Lib. room 854	
710b. Jamison, Lydia A., Philadelphia. Edition of 100 sold at \$50 per copy. Initial letters. Edu. room 854	
711. Lady Stenographers of Park County, Livingston, Mont. Samples of stenographic work. Edu. room 854	
711a. Massachusetts Women's Columbian Exposition, Committee of the, Boston. Works by Massachusetts women. N. Y. Lib. 854	
712. Miller, Anna J., Washington, D. C. Books on dress reform. N. Y. Lib. 854	
713. Morey, Mrs. Anna R., Hastings, Neb. Illuminated booklet. 854	
714. Morse, Alice C., Brooklyn, N. Y. Book covers. W. gal., Sec. F 854	
714a. National Association of Women Stenographers. Typewriters in operation and specimens of work. S.E. stairway 854	
715. Orff, Annie L. Y., St. Louis. Chaperone magazine. N. Rot. 854	
715a. Ross, Mrs. Adele, Chicago. Photogravure reproductions of charcoal sketches of Jackson Park as it appeared in 1890-1. 854	
716. State of New York, Women Managers of, Albany, N. Y. Books and pamphlets. N. Y. Lib. 854	
716a. Smith, Miss Etta J., Mt. Carroll, Ill. Abstract of title blank. Inv. room 854	
716b. Stimson, Mrs. J. N., Plainfield, N. J. Book illustrations. Conn. room 854	
717. Sweeney, Margaret, Chicago. Relief maps. Edu. room 864	
717a. Thacher, Mrs. John B., New York. Collection of autographs of celebrated women. N. Y. Lib. 854	
717b. Waugh, Ida, Philadelphia. Book illustrations and covers. Edu. room and E gal., Sec. I 854	
717c. Whitman, Sarah W., Boston. Book covers. N. wing, D, 9-10 854	
718. Wilkinson, Thomas, South Waukegan, Ill. Sentences written by Madagascarian women, with English translation. 854	

## Liberal Arts.

Exhibit No.	Class'n No.
718a. Woman's Columbian Exposition Association, Cincinnati. 113 books written by Cincinnati women. N. Y. Lib.	854
718b. Women of the Colorado Board. Works by Colorado women. N. Y. Lib. room	854
718c. Women Stenographers of Park county, Livingston, Mont. Samples of stenographic work. Edu. room	859
718d. Wormley, Mrs. T. G., Columbus, Ohio. Illustrations from "Micro Chemistry." Sci. room	854

## GROUP 151.

**Instruments of Precision, Experiment,  
Research and Photography.  
Photographs.**

719. Albright, Mrs. Franc L., Albuquerque, N. M. Collection of photographs.	871
719a. Bartlett, Mrs. N. G., Chicago. Photographs. E. gal., Secs. N, O and P	871
719b. Caldwell, Mrs. W. D., Amsterdam, N. Y. Photograph of Bethany Home.	871
720. Carter, Alice R., West Chester, Pa. Photographs of historical women and places in Chester County. E. gal., Sec. I	871
720a. Coles, Miss Agnes, New York. Photographs on porcelain. N. wing, C. 10	871
721. Dock, Mira L., Harrisburg, Pa. Photographs.	871
722. Farnsworth, Emma J., Albany, N. Y. Amateur photographs. E. gal., Sec. N	871
722a. Fleming, M. M., Minneapolis, Minn. Colored photographs. E. gal., Sec. P	871
723. Garrity, Miss, Chicago. Photographs.	871
723a. Hillman, Mrs. Josephine, Wilkes Barre, Pa. Photographs of institutions in Wilkes Barre. Edu. room	871
724. Kendall, Mrs. Marie H., Norfolk, Conn. Photographs.	871
725. Millay, Mrs. Jerry, Phoenix, Ariz. Album of photographs.	871
725a. Nichols, Minerva P., Philadelphia. Photographs of executed buildings. Edu. room and E. gal., Sec. I	871
726. Okis, Miss Gertrude, Boothwyn, Pa. Photographs.	871
727. Proctor, Miss Hattie A., Chicago. Instrument to facilitate the analysis of oils.	865
728. Richards, Miss Annie L., Boston. Amateur photographs.	871

Exhibit No.	Class'n No.
728a. Ronner, Henriette, Brussels, Belgium. Album of photographs of her paintings.	871
729. Scull, Sarah A., Washington, D. C. Photographs.	871
730. Slade, Elizabeth A., New York. Amateur photographs. E. gal., Sec. P	871
731. Titus, Mrs. Lillie B., Boston. Photographs. E. gal., Sec. P	871
731a. Uhlmer, Miss Florence, Salt Lake City, Utah. Photographs of Society Girls. E. gal., Sec. P	871
732. Wellman, Miss M. B., Upland, Pa. Amateur photographs.	871
733. Wells, Miss Kate, Salt Lake City, Utah. Tinted photographs. E. gal., Secs. O and P	871
734. White, Mrs. C. E., Butte, Mont. Photographic view of Butte.	871
735. Wright, Mrs. J. O., New York. Amateur photographs.	871

## GROUP 152.

**Civil Engineering, Public Works, Con-  
structive Architecture.**

736. Brewster, Clotilde K., New York. Designs and drawings for a villa. Edu. room	889
737. Cobb, Mrs. Anna M., Pensacola, Fla. Working plans, elevations and photographs of houses. Edu. room	889
738. Howe, Lois L., Cambridge, Mass. Architectural drawings for Woman's Building. Board room	889
738a. Nichols, Minerva P., Philadelphia. Architectural drawings. Edu. room	889
739. Ransom, Frances A., East Palatka, Fla. Combination blind and screen. Inv. room	889
741. Strong, Harriet W. R., Whittier, Cal. System of storage reservoirs for irrigation.	889
742. Stuckert, Mary C. C., Denver Col. Model and drawings of building for co-operative living.	889

## GROUP 153.

**Government and Law.**

742a. Bennett, Mrs. C., Kansas City, Mo. Letter box. Inv. room	889
743. Lockwood, Belva A., Washington, D. C. Copy of the law of 1879 admitting women to the U. S. Supreme Court. Rec. room	889

## Liberal Arts, Ethnology.

## GROUP 155.

## Institutions and Organizations for the Increase and Diffusion of Knowledge.

- | Exhibit No.  | Class'n No.            |
|--|------------------------|
| 744. Dana Natural History Society, Albany, N. Y. Representative papers, etc. | Rec. room 908          |
| 745. Smithsonian Institute, Washington, D. C. Collective exhibit.            | (See special list) 907 |
| 745a. Ward, Mrs. Charles, Rochester, N. Y. Exhibit in osteology.             | Sci. room 908          |

## GROUP 156.

## Social, Industrial and Co-Operative Associations.

- |  |               |
|--|---------------|
| 746. Compton, Mrs. Chas. W., Newark, N. J. Masonic apron.  | 917           |
| 747. Girls' Friendly Society, New York. Reports, statistics and fancy work.                      | Org. room 918 |
| 748. Massachusetts Ass'n of Working Girls' Clubs, Boston. Reports and maps.                      | 918           |
| 749. Minnesota State Board, Minneapolis, Minn.: Statistics; philanthropic and reform literature. | Rec. room 918 |
| 750. Woman's Physiological Society, Chicago. Manuscript.   | Rec. room 918 |
| 751. Woman's Relief Society, Portland, Ore. Photograph and statistics.                           | Rec. room 918 |

## GROUP 157.

## Religious Organizations and Systems—Statistics and Publications.

- |  |                   |
|--|-------------------|
| 52. Board of Foreign Missions of the Evangelical Lutheran Church, Baltimore. Reports, etc.                   | Rec. room 921     |
| 53. Girls' Lutheran Industrial School, Guntur, South India. Art embroidery executed by pupils of the school. | S. wing, D. 9 925 |
| 53a. Christian Women's Exchange, New Orleans. Embroidery.  | N. wing, D. 8 925 |
| 53b. Smith, Mrs. Alan P., Baltimore, Md. Bible diagram.  | N. Y. Lib. 923    |
| 54. Woman's Columbia Club of Sedgwick county, Wichita, Kas. Chart of religious work in Wichita, Kas.         | Rec. room 919     |

## GROUP 158.

## Music and Musical Instruments.

- |   |               |
|---|---------------|
| 5. Anthony, Mary E., Philadelphia. Original manuscript music. | Rec. room 926 |
|---|---------------|

- | Exhibit No.  | Class'n No.         |
|--|---------------------|
| 756. Church, Lily Regina, Parkersburg, W. Va. Music text books, etc.                 | N. Y. Lib. room 926 |
| 757. Pick, Libbie & Esther, Chicago. Music cabinet attachment for pianos and organs. | Inv. room 930       |
| 758. Wilde, Mary V., St. Louis. Rubber piano pedal.                                  | Inv. room 930       |

## DEPT. M.—ETHNOLOGY.

## GROUP 172.

## Woman's Work.

- |  |           |
|--|-----------|
| 759. Colorado World's Fair Board, Women of, Denver, Col. Statistics of occupations and wages of Colorado women.                            | Rec. room |
| 759a. Hallowell, Mrs. Sarah F., Philadelphia. Photographs illustrating women's work in journalism, hospitals, medicine and archaeology.    | Edu. room |
| 759b. McCandless, Miss Mary E., Pittsburg, Pa. Photographs of hospitals and charitable institutions.                                       | Edu. room |
| 759c. New Jersey State Board of Women Managers, Newark, N. J. Statistics of woman's industrial; philanthropic and professional work.       | Rec. room |
| 760. Philadelphia County Committee, Philadelphia. Photographs, statistics, etc., of women's work in libraries, journalism, hospitals, etc. | Rec. room |
| 761. Philadelphia Exchange for Woman's Work, Philadelphia. Woman's work.   | Rec. room |
| 762. Pittsburg Exchange for Woman's Work, Pittsburg, Pa. Woman's work.   | Rec. room |
| 762a. State of New York, Women Managers of, Albany, N. Y. Statistics of the women of the state.  | Rec. room |
| 763. Statistical Committee for Massachusetts, Boston. Charts of statistics of women of Massachusetts.                                      | Rec. room |
| 763a. Woman's Columbian Exposition Committee of Massachusetts, Boston. Statistics of woman's work in Massachusetts.                        | Rec. room |
| 764. Woman's Exchange and Decorative Art Society, Detroit, Mich. Woman's work.   | Rec. room |
| 764a. Woman's Work Exchange, St. Paul, Minn. Woman's work.   | Rot. N    |
| 765. Woman's Work for Woman, Chicago. Statistics of organization.  | Rec. room |

## Ethnology, Forestry.

## GROUP 174.

## The North American Indian.

- | Exhibit No. |  | Class'n No.        |
|-------------|--|--------------------|
| 766.        | DeLaney, Mrs., Alaska. Alaska Indian work.   | Eth. room 960      |
| 767.        | Fransway, Mrs. Louisa, Oldtown, Me. Baskets, canoes, bows and arrows, wooden tomahawks and knives, snow shoes and moccasins made by the Penobscot Indians. | Eth. room 960      |
| 768.        | Hare, Wm. H., Sioux Falls, South Dakota. Altar cloth executed in bead work by Oglala, Sioux Indian woman.  | 960                |
| 769.        | Ladies of San Juan County World's Fair Auxiliary Committee, New Mexico. Navajo blanket used as a portiere in Board room.                                   | 960                |
| 770.        | Pallardy, Alice, Pine Ridge Agency, South Dakota. Beaded altar cloth made by Sioux Indian woman.   | 960                |
| 770a.       | Trunkey, Mrs. John, Franklin, Pa. Six historical sketches and cast of Indian god rock.   | Eth. room 964      |
| 771.        | Women's Colorado Indian Exhibit. Navajo blankets and baskets, with two Indian women at work at Indian loom. Bust of Ute Chief Ignacio.                     | S. W. stairway 960 |

## GROUP 175.

**Portraits, Busts and Statues of Great Inventors and Others who have Contributed Largely to the Progress of Civilization and the Well-being of Man.**

772. Board of Women Managers of the State of New York. Autographs and portraits of famous women of the past four hundred years.
- 772a. Carter, Miss Alice Carter, Chatham, Pa. Portraits of five celebrated women.
- Assem. room
- 772b. Cassady, Miss Cornelia S., Cincinnati. Portrait of Mrs. W. H. Harrison, Sr.
- Assem. room
773. Copp, Ellen Rankin, Chicago. Portrait in bronze of Mrs. Potter Palmer, President Board of Lady Managers World's Columbian Commission.
- N. Y. Lib.

- | Exhibit No. |  | Class'n No. |
|-------------|--|-------------|
| 773a.       | Johnson, Mrs. Adelaide, Washington, D. C. Marble portrait busts of Lucretia Mott, Elizabeth Cady Stanton. Susan B. Anthony, Dr. Caroline B. Winslow. | Rot. Centre |
| 773b.       | Lambert, J., Philadelphia. Portrait of Mrs. E. D. Gillespie.   | Assem. room |

## GROUP 176.

## Isolated and Collective Exhibits.

774. French-Sheldon, M., London, England. African exhibit.
- Eth. room 968
775. Hunt, Mrs. L. P., St. Paul, Minn. Loan collection of ancient articles.
- Eth. room 968
776. Lady Managers of the World's Columbian Commission, Chicago. Neck-handkerchiefs, Bohemian and Slovak bonnets and babies' hoods, head ornaments, embroidered tail of holubinka, aprons, christening cloths, cushion covers, Slovak and Moravian embroidery, photographs of female costumes and country furniture, etc., donated by the women of Bohemia to the permanent memorial building at Chicago.
- (Rotunda) 968

## DEPT. N.—FORESTRY.

## GROUP 19.

## Forestry, Forest Products.

- 776a. Cooper, Mrs. C. E., Oil City, Pa. Table inlaid with native woods.
- 99
777. Cooper, Mrs. M. D., Bozeman, Mont. Straw basket.
- 111
- 777a. Croly, Mrs. A. M., Tilsonberg, Canada. Botanical specimens chemically prepared to show structure and fibro-vascular system of leaves, flowers and seed vessels.
- Sci. room 113
778. Fisherwomen of New Jersey. Wall and scrap baskets, etc.
- 111
779. Jones, Mrs. Mable C., Pittsburg, Pa. Table of historic woods.
- Board room 99
780. Ladies of Mercer County, Mercer, Pa. Inlaid table made of over 2,000 pieces of native woods.
- 99
781. McManus, Miss Blanch, Jackson, Miss. Sixty panels of different woods with fruit, leaf and flower of each painted on it.
- 113

# Loan Collection of Bureau of Applied Arts, New York.

LOCATION—North Wing A-C, 9-10 unless otherwise specified.

## Manufactures.

### DEPT. H.—MANUFACTURES.

#### GROUP 90.

Furniture of Interiors, Upholstery and  
Artistic Decoration.

Exhibit No.	Class'n No.
1. Prescott, Katherine, New York. Plaster intaglio—Faust and Marguerite.	572
3. Redmond, Frieda V., New York. Decorative panel.	572
4. Tiffany Glass & Decorating Co., New York. Silk velours portiere.	568

#### GROUP 91.

Ceramics and Mosaics.

6. Curtis, May L., New York. pitcher.	China 576
7. Dwight, Miss Minnie, New York. China.	576
7a. Fry, Mrs. T. M., New York. Decorated china.	576
8. Garborino, Clotilde, New York. Fish platter and plates.	576
9. Hall, Miss Frances P., New York. Tray, pitcher, bonboniere, etc.	576
10. Monachesi, Mme. Nicola, New York. Plate and dish.	576
11. Osgood, Mrs. Worth, New York. Large vase.	576
12. Raymond, E. Launitz, New York. Decorated plates, dish, jar, etc.	576
13. Sprague, Mrs. Harriot E., New York. Dresden china tête-a-tête set.	576
14. Wilmarth, C. B., New York. Pitcher and tray.	576

#### GROUP 93.

Art Metal Work—Enamels, etc.

16. Emerson, Miss S. H., New York. Copper jug and brass jar.	585
17. Huntington, Metelill, New York. Hammered brass mirror frame.	585

Exhibit No.	Class'n No.
18. Marshall, Miss Lily, New York. Brass work.	585
20. Van Kuyck, Miss Pauline, New York. Repousse-work frame.	585

#### GROUP 95.

Stained Glass in Decoration.

23. Armstrong, Margaret N., New York. Stained glass windows.	
N. wing, C-D, 10	596
23a. Tiffany Glass & Decorating Co., New York. Stained glass.	596

#### GROUP 96.

Carvings in Various Materials.

24. Tieman, Miss Elsie C., New York. Carved stand.	598
25. Vanderpoel, Mrs. E. N., New York. Carved box.	598

#### GROUP 102.

Yarns and Woven Goods of Cotton, Linen  
and other Vegetable Fibres.

27. Downer, Miss L. de F., New York. Linen table cloth.	639
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#### GROUP 106.

Lace, Embroideries, Trimmings, Artificial  
Flowers, Fans, etc.

29. Carter, Mrs. Esther, New York. Lace curtains, tea cloth, doilies, etc.	664
30. Colgate, Mrs. Jas. B., New York. Painted fans.	667
31. Day, Mrs. Henry, New York. Table covers.	669
32. Downer, Mrs. Frederick, New York. Hand-made lace scarf.	669

## Manufactures, Liberal Arts.

Exhibit No.	Class'n No.
33. Drivdahl, Miss Marie, Brooklyn, N. Y.	Embroidered cushion. 669
34. Foote, Catherine, New York.	Embroidered mermaid. 669
35. Frost, Miss Helen, New York.	Center piece. 669
36. Gilchrist, Mrs. Geo., New York.	Embroidered dinner set. 665
37. Hampton, Mrs. Henry, New York.	Center pieces. 669
38. Higginson, Mrs. Geo., New York.	Embroidered altar piece. 669
39. Hogan, Kate, New York.	Braid lace. 664
39a. Holdsworth, Mrs. C. F., New York.	Embroidered table cloth and centre pieces. 669
40. Nicholls, Rhoda H., New York.	Hand-made point lace. 664
40a. Pell-Clarke, Mrs., New York.	Embroidered reredos. 669
41. Peters, Mary Austin, New York.	Embroidered landscapes. 669
42. Preston, Mrs. R. W., Brooklyn, N. Y.	Crochet counterpane and pillow covers. 665
43. Ryerson, Miss N. C., New York.	Tapestries. Stairways. 670
44. Satterlee, Miss Florence, New York.	Embroidered picture. 669
45. Schroeder, Miss Emma, Brooklyn, N. Y.	Lace doily. 664
46. Stevens, Mary D., New York.	Ecclesiastical embroidery. N. wing, B, 7 669
47. Stokes, Olivia P., New York.	Ecclesiastical lace. 664
48. Troy Women's Exchange, New York.	Mexican drawn work. 665
49. Wells, Miss Annie, New York.	Embroidered picture. 669

## GROUP 111.

## Leather and Manufactures of Leather.

50. Hasbrouke, Mary K., New York.	Specimens of stamped leather. 705
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## DEPT. L.—LIBERAL ARTS.

## GROUP 149.

## Primary, Secondary and Superior Education; Designs.

64. Armstrong, Margaret N., New York.	Designs for book covers. Edu. room 852
65. Aspinwall, Miss Eliza, New York.	Designs for wall paper and silks. Edu. room 852

Exhibit No.	Class'n No.
66. Aspinwall, Miss M. A., New York.	Designs for wall paper and silks. Edu. room 852
67. Atwater, Edith, Brooklyn, N. Y.	Design for silver vase. Edu. room 852
68. Blashfield, Mrs. E. W., New York.	Design for mirror. Edu. room 852
71. Cox, Mrs. Kenyon, New York.	Designs for transom and reredos. 852
72. Crownfield, S. L., New York.	Design for wall paper. Edu. room 852
73. Emmet, Lydia F., New York.	Designs for seal. N. Y. Lib. 852
74. Ferguson, E. Adels, Brooklyn, N. Y.	Designs for watches, etc. Edu. room 852
76. Humphrey, Maud, New York.	Design for wall paper and frieze. Edu. room 852
77. Huger, Miss K. M., New York.	Designs. Edu. room 852
78. Joyce, Lillian V., Brooklyn, N. Y.	Designs for watch cases, etc. Edu. room 852
79. Lamb, Mrs. Ella Condie, New York.	Designs and cartoons. 852
81. Redmond, Frieda V., New York.	Designs for printed silks. Edu. room 852
82. Tiffany Glass and Decorating Co., New York.	Designs for glass windows, etc. 852
82a. Tillinghast, Miss Mary, New York.	Sketch of a glass window. 852
82b. Keith, Dora Wheeler, New York.	Design for ceiling. 852

## GROUP 150.

Literature, Books, Libraries, Journalism.  
In N. W. Gallery.

83. Armstrong, Margaret N., New York.	Book covers and initial letters. W. gal., Sec. F 854
84. Armstrong, Helen M., New York.	Calendars and illustrations. W. gal., Sec. F 854
84a. Century Company, New York.	Drawings. W. gal., Sec. F 854
85. Eggleston, Allegra, New York.	Book illustrations. W. gal., Sec. F 854
86. Emmet, Lydia F., New York.	Pictures, illustrations, etc. W. gal., Sec. F 854
86a. Howell, C. E., New York.	Book covers. W. gal., Sec. F 854
87. Keith, Dora Wheeler, New York.	Books and illustrations, etc. W. gal., Sec. F 854
87a. Milham, Miss Zella, Brooklyn, N. Y.	Pen and ink sketch. W. gal., Sec. F 854

## Liberal Arts.

Exhibit No.	Class'n No.
88. Morse, Miss Alice, Brooklyn, N. Y. Book covers. W. gal., Sec. F	854
89. Nicholls, Rhoda H., New York. Book illustrations. W. gal., Sec. F	854
90. Sheldon, M. A., New York. Book covers. W. gal., Sec. F	854
91. Sherwood, Mrs. Arthur, New York. Book illustrations, etc. W. gal., Sec. F	854
91a. Stephens, Alice B., New York. Black and white illustrations. W. gal., Sec. F	854
92. Stimers, Miss Julia, New York. Specimens of lithography. Edu. room	854

Exhibit No.	Class'n No.
93. Van Rensselaer, Mrs. J. K., New York. Book cover. W. gal., Sec. F	854
94. Walker, Miss M., New York. Illustration. W. gal., Sec. F	854

## GROUP 152.

## Civil Engineering, Public Works, Constructive Architecture.

98. Tillinghast, Miss Mary, New York. Architectural drawings. Edu. room	889
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## Keppel Collection of Engravings, Etchings, Etc.

## LOCATION—West Gallery, Sections A to C.

The aim of the present exhibition is to show, so far as space permits, what has been done by women engravers during the last three centuries. It has been gathered together with much care and owes its interest largely to the kindness of several collectors of Europe and America and, in the case of modern work, to the hearty co-operation of the artists themselves.

Owing to the limitations of space it has been found impossible, even were it desirable, to represent all who have of late years, worked with the etching needle, but sufficient is shown to exemplify the schools of France, England and America at their best.

Until comparatively recent years a woman engraver was the exception and though we find scattered through the three hundred years that have elapsed since the birth of the art, a fair number of women who have distinguished themselves in engraving, they are here rather through the force of their own individuality than from any general tendency toward a recognition of the equality of the sexes.

Doubtless strong opposition was at first to be overcome, but prejudice has lessened year by year until now the pictures by women are admitted to our public exhibitions on exactly the same basis as those executed by men, solely on their merits.

It is on this footing that the present exhibition should be judged.

In America not only have women established their right to an equal hearing with their male co-workers in the graphic arts, but in etching they can lay claim to at least three whose rank is of the highest, while in the field of wood engraving such good work has been done that it seems impossible for technical excellence to surpass it.

Exhibit No.	Class'n No.
Ghisi, Diana, Italy, 1535. Born in Mantua. Her plates date from 1581-1588. Engraved chiefly after Raphael, Tuccari and Giulio Romano. Her father and brother were also engravers. The Woman Accused Before Christ. (Line engraving after Giulio Romano. First State.)	

Exhibit No.	Class'n No.
Marie de Medicis, Queen of France. Born 1573. Wife of King Henry IV, of France, Regent of France after his death; was afterward imprisoned by Cardinal Richelieu. 2. Bust of a Young Woman. This wood cut is extremely rare. Roghman, Gertrude, Holland, 1596. Engraved some plates after her father,	

Exhibit  
No.

- Roeland Roghman. Executed about twenty plates in all. Died about 1640.
3. View of Slotterdyck. (Original etching.)  
**Stella, Claudine, France, 1634.**  
Daughter of the engraver, Jacob Stella.
  4. Christ before Pilate. (Line engraving after Nicolas Poussin.)  
**Sirani, Elisabetta, Italy, 1638.**  
Pupil of her father, Giovanni Sirani.  
She was poisoned by her servant in 1665, but had already made for herself a famous name.
  5. Madonna and Child with an Angel. (Original etching.)  
**Sandrart, Anna, Germany, 1658**  
Born in Nuremberg, pupil of her father, Jacob von Sandrart.
  6. Line Engraving after Raphael's Fresco in the Farnesina Palace.
  7. The same after the same.  
**Del Pò, Teresa, Italy, about 1660.**  
Daughter of Pietro del Pò. She painted in oil and in miniature. Engraved so much in the style of her father that it is difficult to distinguish their works. She was a member of the Academy of St. Luke, at Rome, and died at Naples in 1716. She executed about twenty plates.
  8. Allegory in Honor of Philip IV of Spain. (Original line engraving.)  
**Deveux, Thérèse, France, about 1720.**  
Worked during the middle of the eighteenth century.
  9. L'Abbé de la Caille. (After M<sup>lle</sup> Le Jenneus.)  
**Kauffman, Angelica, Switzerland, 1741.**  
Worked chiefly in England, where she was highly esteemed, and upon the founding of the Royal Academy in 1768 was elected one of the original thirty-six members. Died in 1807. Many of Bartolozzi's best plates were after her paintings. They were much esteemed by other engravers also.
  10. Hope. (Original etching.)
  11. Girl Leaning Against a Rock. (Original etching finished in aquatint.)
  12. Girl Plaiting Her Hair. (Original etching finished in aquatint.)
  13. Venus with the Corpse of Adonis. (Etching finished in aquatint after Annibal Carracci.)  
**Prestel, Catharina, Germany, 1744.**  
She was the pupil of and afterward the wife of Johann Amadeus Prestel, whom she aided in some of his best plates, especially in landscape. In 1786 she separated from him and came to London, where she died in

Exhibit  
No.

1794. She executed 73 plates after Italian, Dutch and German masters.
14. Landscape with Castle. (Aquatint after Teniers the Older.)
15. View in Switzerland. (Aquatint after J. Wynants.)  
**Cosway, Maria, England, 1745.**  
Her husband was Richard Cosway, the famous English miniature painter. Her maiden name was Hadfield. She was of Irish parentage, but was born at Leghorn.
16. Portrait of herself and her husband. (Original etching.)
17. Grief. (Etching after Richard Cosway.)  
**Deny, Jeanne, France, about 1750.**  
She, with her brother, executed a series of illustrations to the works of Voltaire and Lafontaine.
18. A Ruined Tower. (Original etching, dated 1770.)
19. Allegorical Subject. (Etching after Monnet.)  
**Ellis, Elizabeth, England, about 1750.**  
Sister-in-law of William Woollett, the famous landscape engraver.
20. A Farm-yard. (Etching after William Woollett.)  
**Watson, Caroline, England, about 1760.**  
Worked both in mezzotint and stipple. Pupil of her father, James Watson. In 1785 she was appointed engraver Royal by Queen Caroline, and died June 10, 1814.
21. Madonna and Child. (Stipple engraving after Raphael. Proof. From the Earl of Hardwicke's collection.)
22. Infancy of Shakespeare. (Stipple engraving after Sir Joshua Reynolds.)
23. Portrait of William Woollett. (Stipple engraving after Gilbert Stuart.) Proof.
- Carey, Regine, France, about 1770.**
24. Landscape with Cattle. (Aquatint printed in colors after Rosa di Tivoli.)  
**Holbein, Theresa, Germany, about 1790.**  
Born in Gratz. Removed in 1814 to Vienna. She engraved about 30 plates, embracing both original landscapes and copies after various masters.
25. Landscape with a River. (Original etching.)  
**Riollet, Mlle. C., France, 1798.**  
Married Beaunart, the engraver.
26. La Fecondite. (Line engraving after Reubens.)
- 26a. The Rich Man and Lazarus. (Line engraving after Teniers.)

Exhibit  
No.

- Piotti, Caterina, Italy, 1800.**  
 27. Queen Semiramis. (Line engraving after Guercino.) This beautiful engraving won the gold medal of the Academy of Milan in 1830.  
**Bozzolini, Matilde, Italy, 1811.**  
 Born at Florence, engraved only a few plates.  
 28. Portrait of Gaetano Filangieri. (Line engraving after Tofanelli.)  
**Turner, Mrs. Dawson, England, about 1820.**  
 29. Portrait of Granville Sharpe. (Original etching.)  
**Perfetti, Elena, Italy, about 1830.**  
 Wife of the engraver, Perfetti.  
 30. Hope. (Line engraving after Carlo Dolci.)  
 31. The Last Judgment. (Line engraving after Fra Angelico.)  
**Lady Hume, England, about 1830.**  
 Wife of Sir Abraham Hume.  
 32. Rembrandt's Mill. Maberly pronounces this to be a wonderfully fine copy of Rembrandt's famous etching.  
**O'Connell, Madame F., Germany, 1835.**  
 Her work was done in Paris.  
 33. A Cavalier. Period of Louis XIII. (Original etching.)

### ETCHINGS AND DRY POINTS BY ARTISTS NOW LIVING. FRENCH SCHOOL.

- Abbema, M'lle Louise.**  
 Portrait of the painter, Carolus Duran. (Original dry point.)  
**Portrait of Charles Garnier, Architect of the Paris Opera House. (Original dry point.)**  
**Paulier, Madame C.**  
 Head of a Woman. (Etching after J. J. Henner.)  
 Woman Reclining. (Etching after J. J. Henner.)  
 Saint Sebastian. (Etching after J. J. Henner.)  
 Lady Hamilton. (Etching after Geo. Romney.)  
**Formstecher, M'lle Helene.**  
 Hunting the Hare. (Etching after Jules Gelibert.)  
 High and Dry, Vessels at Low Tide.  
**Bracquemond, Madam Marie.**  
 Painter and etcher, wife of the eminent etcher, Felix Bracquemond.  
 Portrait of Madam Beraldi. (Original etching.)  
 Portrait of Monsieur Geffroy. (Original etching.)  
**D'Abbeville, M'lle Isabelle.**  
 Pupil of Maxime Lalanne.

Exhibit  
No.

44. Head with a Fur Cap. (Etching after Bosso.)  
**Testard, M'lle Pauline.**  
 45. Landscape. (Etching after Corot.)  
 46. Landscape. (Etching after Corot.)  
**Teyssonnières, M'lle Mathilde (Madam Bertrand).**  
 Daughter and pupil of Pierre Teyssonnières, the famous etcher.  
 47. A Reverie. (Etching after Feyen Perrin.) This plate won a diploma of honorable mention at the Paris Salon and was also shown at the Exposition.  
 48. The Haymaker. (Etching after Feyen Perrin.)  
**Poynot, M'lle Gabrielle.**  
 A pupil of the famous etcher, Waltner; has executed a number of plates after Laurens, Benner, Henner and others.  
 49. A Young Creole. (Etching after Henner.)

### LITHOGRAPHS BY ARTISTS NOW LIVING. FRENCH SCHOOL.

- Bonheur, M'lle Rosa.**  
 Born 1822. The eminent painter of animals.  
 50. Head of a Lioness. (Original lithograph with fac-simile of a letter by the artist.)  
 51. Head of a Young Bull. (Original lithograph.)  
 52. Spanish Cattle. (Original lithograph; early proof bearing the artist's written directions to her printer.)

### ETCHINGS AND DRY POINTS BY ARTISTS NOW LIVING. ENGLISH SCHOOL.

- Nichols, Miss C. M.**  
 Fellow of the Royal Society of Painter-Etchers, London. The paintings of Miss Catherine Nichols are well known to those who visit the exhibitions at the Royal Academy, London. Her plates are done in pure dry point and are vigorous presentations of English landscape or architecture. She is also a writer of high merit.  
 53. Amidst the Pines. (Original dry point.)  
 54. The Stranger's Hall, Norwich, England. (Original dry point.)  
 55. Fir Trees, Crown Point. (Original dry point.)  
 56. "O'er Moor and Fen." (Original dry point.)  
**Gleichen, The Countess Feodora.**  
 A Relative by Marriage of Queen Victoria.

Exhibit  
No.

57. In the Church. (Original etching.)  
 58. Peasant Woman. (Original etching.)  
**Halle, Miss Elinor.**  
 59. A Woodcutter. (Original etching.)  
 60. The Shepherds. (Original etching.)  
**Hamilton, Mrs. L. Vereker.**  
 61. The Harvesters. (Original etching.)  
 62. Study of a Peasant Girl's Head. (Original etching.)  
**Harrison, Miss S. C.**  
 63. Study of a Head. (Original etching.)  
**Kemp, Miss Emily G.**  
 64. Study After Vandyck. (Etching.)  
 65. The Coming Storm. (Original etching.)  
**Roberts, Miss K. May.**  
 66. Portrait of a Man. (Original etching.)  
 67. Prayer for the Dead. (Original etching.)  
**Thompson, Miss L. Beatrice.**  
 68. Portrait of an Old Man. (Original etching.)  
 69. A Shrine in Brittany. (Original etching.)

## AMERICAN SCHOOL.

- Canby, Miss Louise Prescott, Philadelphia.**  
 70. Sunset. (Original etching.)  
 71. In the Harbor of Oswego. (Original etching.)  
**Cassatt, Miss Mary.**  
 Born in Pittsburg, Pa., resides in Paris. One of the two large fresco paintings which decorate the Woman's Building is the work of Miss Cassatt.  
 72. A Lady at a Tea Table. (Original dry point.)  
 73. Portrait of a Lady. (Original dry point.)  
 74. A French Peasant Woman with a Child. (Original dry point.)  
 75. A French Peasant Woman with a Parrot. (Original dry point.)  
**Clements, Miss Gabrielle D., Philadelphia.**  
 76. Mount St. Michel. (Original etching.)  
 77. The Way of St. Francis, Chartres. (Original etching.)  
**Dillaye, Miss Blanche, Philadelphia.**  
 78. Mist on the Cornish Coast. (Original etching.)  
 79. Early Morning, Dordrecht Canal. (Original etching.)  
 80. Sardine Wharf, Eastport. (Original etching.)  
**Farrell, Miss K. Levin, Philadelphia.**  
 81. South Dartmouth Wharf. (Original etching.)  
 82. Springtime of Love. (Etching after Paul Thumann.)  
**Ferris, Miss May E., Philadelphia.**  
 83. (Original etching.)

Exhibit  
No.

- Getchell, Mrs. Edith Loring, Worcester, Mass.**  
 84. Moonrise. (Etching after Ross Turner.)  
 85. Old South Church. (Original etching.)  
 86. The Road to the Beach. (Original etching.)  
 "Another attractive work is 'The Road to the Beach,' at Nonquit, Massachusetts, which was exhibited at the Paris Salon. It is very simple in theme—merely a stretch of low coast land with a few scattered shrubs and a wide road stretching away toward the slightly-lifted horizon line. But a great deal has been told for this simplicity. The very spirit of such a scene is caught and given. Even without the title we should know that there was salt in the air and the sea at the end of the road." (Mrs. Schuyler van Rensselaer.)  
**Hale, Miss E. D., Philadelphia.**  
 87. Study of a Head. (Original dry point.)  
 88. Study of a Head. (Original dry point.)  
**Lloyd, Miss H. H., Philadelphia.**  
 89. A River Meadow. (Original etching.)  
 90. The River. (Original etching.)  
**Matlack, Miss E., Philadelphia.**  
 91. A Winter Morning. (Original etching.)  
 92. A New England Orchard. (Original etching.)  
**McLaughlin, Miss M. Louise, Cincinnati.**  
 93. Woodland Scene. (Original etching.)  
 94. Head of a Girl. (Original dry point.)  
**Merritt, Miss Anna Lee.**  
 "Her work is essentially English in flavor, delicate and pleasing."—Mrs. Schuyler van Rensselaer, in *American Etchers*.  
 95. Ophelia. (Original etching.)  
**Moran, Mrs. Emily K., Philadelphia.**  
 96. Long Beach, York Harbor. (Original etching.)  
 97. The Road to the Farm. (Original etching.)  
**Moran, Mrs. Mary Nimmo, New York.**  
 "Mrs. Thomas Moran is as yet the only woman who is a member of the New York Etching Club, and no name stands higher on its roll. Her work would never reveal her sex. It is, above all things, direct, emphatic, bold—exceeding in these qualities, perhaps, that of any of her male co-workers."—*The Century Magazine*.  
 "The Goose Pond" was the etching which procured Mrs. Moran's election to membership in the London Royal Society of Painter-Etchers.

Exhibit  
No.

98. Summer at East Hampton, Long Island. (Original etching.)
99. The Goose Pond, Long Island. (Original etching.)  
**Natt, Miss Phoebe Davis, Philadelphia.**
100. Dona Nobis Pacem. (Original etching.)
101. The Child Musician. (Original etching.)  
**Oakford, Miss Ellen, Englewood, N. J.**
102. Twilight. (Original etching.)
103. Yale Campus, Winter. (Original etching.)  
**Osborne, Miss H. Frances, Salem, Mass.**
104. Chestnut Street, Salem, Mass. (Original etching.)
105. Solitude. (Original etching.)
106. View from Derby Wharf, Salem. (Original etching.)  
**Penman, Miss Edith, New York.**
107. An Orchard Pasture. (Original etching.)
108. Winter. (Original etching.)  
**Taylor, Miss M. M., Philadelphia.**
109. On Nantucket Island. (Original etching.)
110. Winter. (Original etching.)
111. The Hazy Mist. (Original etching.)

## WOOD ENGRAVINGS BY CONTEMPORARY AMERICAN ARTISTS.

- Beyer, Miss Clara, Brooklyn, N. Y.**
112. Landscape. (After George Inness.)
113. The Knitter. (After Henri Lerolle.)  
**Comstock, Mrs. Anna B.**
- The Cherry Blossoms Give a High Tea. (Original.)
114. Butterfly. (Original.)
115. Butterflies. (Original.)
116. Butterflies. (Original.)
117. Butterflies. (Original.)  
**Cooper, Miss Edith, New York.**
- Member of the Society of American Wood Engravers, to which was awarded the gold medal at the Paris

Exhibit  
No.

- Exposition for excellence of work exhibited.
118. White Birches. (After Miller.)
119. Springtime of Love. (After Paul Thumann.)
120. Garrison Defiant avec les Honneurs de Guerre-Disle, 1708. (After Gow.) Done for General Hawkins' report of the American Section of the Paris Exposition.
- Curtis, Miss K. R., Bergen Point, N. J.**
121. Black to Play. (After R. M.)
122. A Fair Swede. (Original.)
123. An English Pasture. (After T. Baker.)
124. Autumn Leaves. (After Vicat Coles.)  
**Naylor, Miss J. A., New York.**
125. Winchester Cathedral—the Choir and Presbytery. (After Joseph Pennell.)
126. Zaltieri, Venice. (After Otto Bacher.)  
**Naylor, Miss O., New York.**
127. Sheep. (After Doring.)
128. Winchester Cathedral—South aisle of retro choir. (After Joseph Pennell.)  
**Powell, Miss C. A., Trenton, N. J.**
- Member of the Society of American Wood Engravers.
129. Gorilla. (After Frémiet.)
130. A Bit of Sunshine. (Original.)
131. The Resurrection. (After John La Farge.)  
**Underhill, Miss M. J., New Rochelle, N. Y.**
132. Lord Baltimore. (After an engraving by Abraham Blooming.)
133. Old Houses on the Liffy. (After Joseph Pennell.)  
**Waldeyer, Mrs. A., New York.**
134. Dance of the Serpent Stars. (After Taber.)
135. Tolstoi at Home. (After Repin.)
136. Japanese Girl. (After John La Farge.)
137. A Young Artist. (After A. Kobbe.)
138. Interior of St. Peters, Rome. (Fa  
Hopkinson Smith.)
- High-class engravings, etchings and water colors. Fine picture framing. Frederick Keppel & Co., 20 East 16th Street, New York; 27 Quai de l'Horloge, Paris; 24 Van Buren Street, Chicago.

# Smithsonian Loan Exhibit of Woman's Work in Savagery.

Location in Ethnological Room.

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|--|---|
| <p>Case 1. Articles of apparel and primitive household implements.</p> <p>Case 2. Implements and products of primitive embroidery.</p> <p>Case 3. American Indian basketry.</p> <p>Case 4. Collection of the finest types of American basketry.</p> <p>Case 5. Basketry from the Eastern continent.</p> <p>Case 6. Bark cloth or Tapa from the Polynesian Islands.</p> <p>Case 7. Specimens of the earliest forms of weaving without looms.</p> <p>Case 8. Primitive weaving apparatus with specimens of work.</p> | <p>Case 9. Collection of aboriginal pottery.</p> <p>Case 10. Navajo Indian blankets, exhibiting methods of manufacture.</p> <p>Case 11. Apparatus used by savage women in dressing hides. Dressed dolls.</p> <p>Case 12. Implements used by aborigines in preparing and serving food.</p> <p>Case 13. The Wilson collection of ancient and modern laces, showing specimens from prehistoric sites in Europe, savage tribes and the best modern factories of the world.</p> <p>Wall 14. Collection of photographs and portraits of Indian women engaged in their characteristic occupations.</p> |
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## Collective Exhibit of National League of Mineral Painters.

LOCATION—North Wing, D-E, 7-8.

### Manufactures.

#### DEPT. H.—MANUFACTURES.

##### GROUP 91.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
1. Abel, Mary, Milwaukee, Wis. Decorated jug.	577	9. Cook, Miss S. E., New York. Decorated jar and trays.	577
2. Bodkin, Mrs. H. E., Pittsburg, Pa. Decorated punch bowl.	577	10. Dexter, Mrs. A. E., New York. Decorated coffee pot.	577
3. Bues, Veronica, Milwaukee, Wis. Decorated chocolate pot.	577	11. Dinmore, Mrs. W. H., Chicago. Decorated porcelain lamp.	577
4. Burlock, F. A., New York. Decorated plates, jars, etc.	577	12. Frackelton, Mrs. S. S., Milwaukee, Wis. Decorated punch bowl, olive jar, vase, etc.	577
5. Burrall, Mrs. L. S., Brooklyn, N. Y. Decorated bonboniere.	577	13. Frank, Mrs. H. O., Milwaukee, Wis. Decorated rose jar.	577
6. Bush, Mrs. Emma, Chicago. Painted vase—"Music."	577	14. Frasee, Mrs. Abram, Chicago. Decorated vase.	577
7. Candee, Mrs. H. H., Chicago. Painted Limoges vases.	577	15. Garbarino, Serorina Chlotilde, New York. Decorated plates and jardiniere.	577
8. Childs, Mrs. M. B., Pittsburg, Pa. Decorated vase.	577	16. Gates, Rosa, Milwaukee, Wis. Decorated vase.	577

## Manufactures, Fine Arts.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
17. Gross, Mrs. A. E., Milwaukee, Wis.		34. Sharpe, Mrs. E., Providence, R. I.	
Decorated vase.	577	Decorated punch bowl.	577
18. Halcombe, Mrs. L. W., New York.		35. Starke, Miss E., Milwaukee, Wis.	
Decorated jug and pot.	577	Decorated card basket.	577
19. Johnson, Miss J. A., Brooklyn, N. Y.		36. Tate, Miss Laura, Milwaukee, Wis.	
Decorated tea set and tray.	577	Decorated vase, "The Bride."	577
20. Kane, Mrs. Sanford, Milwaukee, Wis.		37. Tukey, Mrs., Brooklyn, N. Y.	
Decorated vase,	577	Decorated plate.	577
21. Kellner, Miss Elizabeth, Milwaukee, Wis.		38. Wagner, Mrs. M. A., New York.	
Decorated candelabras, game set, etc.	577	Decorated tea set.	577
22. Koop, Miss Sophia, Milwaukee, Wis.		39. Wallaeger, Miss Frida, Milwaukee, Wis.	
Decorated vase.	577	Decorated vase.	577
23. Lee, S. I., New York.		GROUP 94.	
Decorated vase and baskets.	577	40. Ransom, Miss M., Chicago.	
24. Lilyegren, Mrs. J. P., Traverse City, Mich.		Decorated handglass.	593
Decorated orange bowl.	577	DEPT. H.—FINE ARTS.	
25. Linstead, Mrs. D. B., Chicago.		GROUP 142.	
Decorated china cups, etc.	577	41. Frazee, Mrs. Abram, Chicago.	
26. McVean, Miss, New York.		Picture on porcelain—"Lake Front."	
Decorated cup and saucer.	577	42. Greenleaf, Mrs. W. G., Chicago.	
27. Milliken, Mrs. J. W., Traverse City, Mich.		Picture on porcelain—"Mallenna."	
Decorated cups, saucers, etc.	577	43. Hodgden, Mrs. L. I., Providence, R. I.	
28. Mitchell, Miss Helen, Chicago.		Picture on porcelain—"In Arcady."	
Decorated porcelain lamp.	577	44. Loeser, Mrs. E. H., Pittsburg, Pa.	
29. Osgood, Mrs. Worth, Brooklyn, N. Y.		Picture on porcelain—"A Lady."	
Decorated rose jar, etc.	577	45. Miles, Miss S. M., Chicago.	
30. Pratt, Mrs. E. H., Chicago.		Picture on porcelain—"Head of the Dauphin."	
Decorated vases.	577	46. Sprague, Mrs. F. E., New York.	
31. Rogers, Laura L., New York.		Picture on porcelain.	
Decorated cup, saucer, plaque, etc.	577	47. Zeublin, Mrs. J. E., Chicago.	
32. Rumley, Miss Clara, Pittsburg, Pa.		Picture on porcelain—"Courtship."	
Decorated plates.	577		
33. Seamon, Miss Arelisle, Milwaukee, Wis.			
Decorated vase.	577		

## Massachusetts State Collective Exhibit.

LOCATION—North Wing, D, 9-10 unless otherwise specified.

## Manufactures.

## DEPT. H.—MANUFACTURES.

## GROUP 91.

## Ceramics and Mosaics.

Exhibit No.	Class'n No.
1. Blanchard, Miss S. C., Boston.	
Decorated plates.	576
2. Clifford, Mrs. M., Newton, Mass.	
Violet plate.	576
3. Conins, Miss Lucy, Jamaica Plain, Mass.	
Yellow bonbonniere.	576

Exhibit No.	Class'n No.
4. Hamilton, Miss, Boston.	
Plaque—Child's Head.	578
5. Makee, Miss M. J., Newton Centre, Mass.	
Orchid plate.	577
6. Miles, Miss, Boston.	
Royal Worcester vase.	576
7. Oliver, Miss J. N., Lynn, Mass.	
Salad bowl.	576
8. Page, Miss E. B., Boston.	
Chocolate pot.	576
9. Parsons & Brown, Boston.	
Dragon plate.	576

## Manufactures, Fine Arts, Liberal Arts.

Exhibit No.	Class'n No.
10. Perkins, Miss E. W., Boston. Framed tiles.	578
11. Perkins, Miss S. S., Boston. Candlestick.	576
12. Percin, Mrs., Boston. Conventionalized plate.	576

## GROUP 93.

## Art Metal Work.

13. Dabney, Miss Julia P., Boston. Brass cup and tray.	585
14. Putnam, Miss A. C., Boston. Copper plaque.	585

## GROUP 94.

## Glass and Glassware, Beads.

15. Bartol, Miss. Elizabeth, Boston. Carved amber beads.	595
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## GROUP 95.

## Stained Glass in Decoration.

16. Brown, Miss E. B., Boston. Stained glass mirror.	596
17. MacDonald, Miss Flora, Newtonville, Mass. Stained glass.	596
18. Whitman, Miss Sarah, Boston. Stained glass window.	596

## GROUP 96.

## Carvings in Various Materials.

19. Bowditch, Miss Charlotte, Jamaica Plain, Mass. Carved photograph frame.	598
20. Comins, Miss H. T., Jamaica Plain, Mass. Carved wood bellows.	598
21. Denny, Miss E. T., Brookline, Mass. Carved reading desk.	598
22. Goodwin, Miss Mary E., Jamaica Plain, Mass. Carved oak bellows.	598
23. Lowell, Mrs. John, Boston. Carved oak chest.	598
24. Warren, Miss M. H., West Newbury, Mass. Carved wooden panel.	598

## GROUP 97.

## Gold and Silver Ware, Plate, etc.

25. Swift, Mrs. C. F., Boston. Gold cup and saucer.	604
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## GROUP 106.

## Laces and Embroideries.

26. Austin, Miss Mary I., Boston, Breton lace.	664
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Exhibit No.	Class'n No.
27. Boston Society of Decorative Art, Boston.	
a Dollies, tea cloth, etc.	665
b Embroidered frame, cushion, etc.	665
28. Fiske, Mrs. A. L., Hingham, Mass. Lace veils.	664
29. Hallowell, Mrs. R. P., West Medford, Mass. Embroidered handkerchief.	665
30. Lyon, Mrs., Boston. Embroidery in Italian style.	665
31. Page, Mary P., Danvers, Mass. Lace veil.	664
32. Peters, Mrs. A. J., Jamaica Plain, Mass. Embroidered landscape.	669
33. Ticknor, Miss, Boston. Lace dress.	664

## GROUP 114.

## Lighting Apparatus and Appliances.

34. Swift, Mrs. C. F., Boston. Lamp and shade.	719
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## DEPT. K.—FINE ARTS.

## GROUP 139.

## Sculpture.

35. Hammond, Miss J. N., Boston. Sketch from life in plaster.	
Conn. room	890
36. Prescott, Miss K. T., Boston. Bronze Columbus.	892
37. Rimmer, Miss C. A. Boston. Clay models	890

## DEPT. L.—LIBERAL ARTS.

## GROUP 149.

## Designs.

38. Child, Miss K. B., Boston. Design for wall paper.	882
39. Friend, Miss Nina, Beverly, Mass. Design for lace.	882
40. Hills, Miss Laura, Newburyport, Mass. Book designs.	882
41. Nye, Miss, New Bedford, Mass. Designs for nursery plates.	882
42. Parsons & Brown, Boston. Design for stained glass.	882
43. Rimmer, Miss C. A., Boston. Photographs of designs.	882
44. Valentine, Miss Lucy, Boston. Carpet and border designs.	882
45. Whitman, Mrs. Sarah, Boston. Designs for book covers.	882

## Liberal Arts.

## GROUP 158.

Exhibit No.	Music.	Class'n No.	Exhibit No.		Class'n No.
46.	Atherton, Florence, Boston. Piano pieces.	N. Y. Lib. 926	64.	Howe, Julia Ward, Boston. Nursery rhymes set to music.	N. Y. Lib. 937
47.	Austin, Edith, Boston. Songs.	N. Y. Lib. 937	65.	Lang, Margaret R., Boston. a Violin solo, string quartette and orchestral arrangements.	N. Y. Lib. 926
48.	Barnett, Annie M. R., Boston. Songs.	N. Y. Lib. 937		b Songs.	937
49.	Beach, Mrs. H. H. A., Boston. a Piano pieces.	N. Y. Lib. 926	66.	Leibetz, Boston. Piano pieces.	N. Y. Lib. 937
	b Songs, duets, part songs, a mass, etc.	937	67.	Lewing, Miss Adele, Boston. a Piano pieces.	N. Y. Lib. 926
50.	Bird, E. E., Boston. Piano piece.	N. Y. Lib. 926		b Songs.	937
51.	Bonney, Avonia, Boston. Song.	N. Y. Lib. 937	68.	Loud, Annie F., Boston. a Piano pieces.	N. Y. Lib. 926
52.	Chase, A. B., Boston. Piano piece.	N. Y. Lib. 926		b Songs.	937
53.	Cheney, Amy M., Boston. Song.	N. Y. Lib. 937	69.	Macfarlane, Margaret R., Boston. a Piano piece.	N. Y. Lib. 926
54.	Cobb, A. T., Boston. Song.	N. Y. Lib. 937		b Songs.	937
55.	Crowningshield, Mary B., Boston. Songs.	N. Y. Lib. 937	70.	Osgood, Marion, Boston. Songs.	N. Y. Lib. 937
56.	D'Arcy, Boston. Piano piece.	N. Y. Lib. 926	71.	Prescott, Ella E., Boston. Piano pieces.	N. Y. Lib. 926
57.	Downs, S. C., Boston. Songs.	N. Y. Lib. 937	72.	Rand, Josephine, Boston. Vocal method.	N. Y. Lib. 937
58.	Emerson, Elizabeth A., Boston. Songs.	N. Y. Lib. 937	73.	Renè, Boston. Piano pieces.	N. Y. Lib. 937
59.	Farley, Marion, Boston. Songs.	N. Y. Lib. 937	74.	Roelofson, Mrs. Emily B., Boston. Songs.	N. Y. Lib. 937
60.	Fyffe, B., Boston. Song.	N. Y. Lib. 937	75.	Rogers, Clara K., Boston. a Piano pieces.	N. Y. Lib. 926
61.	Gibbs, Julia de W., Boston. Song.	N. Y. Lib. 937		b Songs.	937
62.	Hale, Irene, Boston. Songs.	N. Y. Lib. 937	76.	Spalding, Florence A., Boston. a Piano piece.	N. Y. Lib. 926
63.	Hood, Helen, Boston. a Piano pieces.	N. Y. Lib. 926		b Song.	937
	b Songs.	937	77.	Tooker, Minnie, Boston. a Piano piece.	N. Y. Lib. 926
				b Songs.	937
			78.	Vaughan, Eliot, Boston. Piano pieces.	N. Y. Lib. 926
			79.	Viardot, L. H., Boston. Songs.	N. Y. Lib. 937

# New York State Afro-American Women's Exhibit.

LOCATION—Exhibit Room, S. W. Gallery.

## Manufactures.

### DEPT. H.—MANUFACTURES.

#### GROUP 89.

Exhibit No.	Class'n No.
1. Ross, Miss Edith, Buffalo, N. Y.	7
Paper lamp shade.	

#### GROUP 91.

2. Bicknell, Miss Anna, Brooklyn, N. Y.	577
Hand-painted plaque and jardiniere.	
3. Little, Miss Alice G., Forestville, N. Y.	578
Hand-painted tile umbrella stand.	
4. Spencer, Miss Ella, Flushing, N. Y.	577
Hand-painted plaques.	

#### GROUP 94.

5. Johnson, Miss Elizabeth, New York.	593
Hand-painted bottles.	

#### GROUP 97.

6. Eato, Miss M. E., New York.	606
Antique silver spoons dating from 1797.	

#### GROUP 98.

7. Parm, Mrs., New York.	612
Jewelry made by the natives of West Africa.	

#### GROUP 106.

8. Altar Society of St. Philips P. E. Church, New York.	669
Ecclesiastical embroidery.	
9. Bailey, Miss A., New York.	665
Drawn-work handkerchief.	
10. Craig, Mrs. A., Flushing, N. Y.	665
Outlined towel.	
11. Craig, Miss Daisy, Flushing, N. Y.	665
Crocheted lace.	
12. Ferguson, Mrs. James, New York.	669
Gilded macreme basket.	
13. Ferguson, Mrs. Octavia, New York.	664
a Lace handkerchief and scarf ends.	
b Mats.	665
14. Foote, Mrs. Clara, New York.	665
Doilies.	

Exhibit No.	Class'n No.
15. Ford, Miss Ellen N., New York.	669
White satin cushion.	
16. Freeman, Miss Cassie E., New York.	665
Embroidered tray cover	
17. Hemsley, Miss Willetta, Yonkers, N. Y.	669
Sofa pillow.	
18. Jackson, Marion T., New York.	669
White satin piano cover.	
19. Lewis, Miss Florence, Buffalo, N. Y.	665
Drawn work towel.	
20. Lowry, Mrs., Flushing, N. Y.	665
Crocheted lace.	
21. Mayo, Miss Mary, New York.	665
Hand-made infant's dress.	
22. Moore, Mrs. Medora, Yonkers, N. Y.	665
a Tidy.	
b Sofa pillow.	669
23. Morrison, Mrs. Mary J., New York.	667
Corn silk fan.	
24. Plato, Mrs. Anna W., Flushing, N. Y.	665
Crocheted quilt.	
25. Post, Miss C., New York.	665
Crocheted sack, cape and cloud; silk crocheted lace.	
26. Spencer, Mrs. Alinda, Flushing, N. Y.	665
Doilies.	
27. Spencer, Miss Ella, Flushing, N. Y.	669
Fan and sachet bags.	
28. Spencer, Miss Florence, Flushing, N. Y.	664
Hairpin lace.	
29. Thomas, Mrs. J. F., Brooklyn, N. Y.	665
Embroidered satin pulpit hanging.	
30. Treadwell, Miss Ines, Flushing, N. Y.	665
Drawn work doilies.	
31. Washington, Mrs. David, New York.	666
Red silk piano lamp shade.	
32. Weeks, Miss Susan G., New York.	665
Crocheted lace.	
33. Williams, Mrs. Laura, New York.	664
Lace handkerchief and hand-made lace.	

#### GROUP 115.

34. Mangin, Mrs. Annie, Woodside, N. Y.	730
Patent pastry forks.	

## Fine Arts, Liberal Arts.

**DEPT. K.—FINE ARTS.****GROUP 140.**

- | Exhibit<br>No. |   |
|----------------|---|
|                | Lattimore, Miss Bertha, Saratoga, N. Y.   |
| 35.            | A Snow Storm.                             |
| 36.            | The Stream.                               |
| 37.            | The Rapids.                               |
|                | Little, Miss Alice G., Forestville, N. Y. |
| 38.            | Landscape.                                |
| 39.            | A Marine View.                            |
|                | Spencer, Miss Ella, Flushing, N. Y.       |
| 40.            | Pond Lilies.                              |
| 41.            | Arbutus.                                  |
| 42.            | Tea Roses in Jar.                         |
| 43.            | Marine View.                              |
| 44.            | A Bunch of Flowers.                       |

**GROUP 141.**

- |     |                                     |
|-----|-------------------------------------|
|     | Spencer, Miss Ella, Flushing, N. Y. |
| 45. | The Wood Gatherer.                  |
| 46. | A Summer Day.                       |
| 47. | Crossing the River.                 |

**GROUP 142.**

- |     |                                     |
|-----|-------------------------------------|
|     | Ford, Miss Ellen N., New York.      |
| 48. | Banner—Holly Berries.               |
|     | Spencer, Miss Ella, Flushing, N. Y. |
| 49. | Clematis. (On glass.)               |
| 50. | Tulips. (On chamois.)               |
| 51. | Dogwood. (On satin.)                |
| 52. | Wild Roses. (Banner.)               |

**GROUP 144.**

- |    |   |
|----|---|
|    | Barguet, Mrs. L. E., New York.          |
| 3. | Crayon portrait of Dr. J. Marion Simms. |
|    | Ford, Miss Ellen N., New York.          |
| 4. | The Stag. (Crayon.)                     |
| 5. | Horses at the Trough. (Crayon.)         |
|    | Lattimore, Miss Bertha, Saratoga, N. Y. |
| 6. | Crayon portrait of Mr. Robt. Purvis.    |

**GROUP 146.**

- | Exhibit<br>No. |  | Class'n<br>No. |
|----------------|--|----------------|
| 57.            | Howard, Miss A. T., New York. Shawl worn in 1811.  |                |
| 58.            | Howard, Miss J. Imogen, New York. China cups, saucers, plates, vase and brass hand screen stand brought from France about A. D. 1800; silver cup.  |                |
| 59.            | Washington, Mrs. David, New York. Piece of H. M. S. "Somerset," wrecked off Cape Cod in 1778.  |                |
| 60.            | Wood, Miss J. A. E., New York. Buckle of seventeenth century; wooden cross, said to be from the cross on which Christ was crucified; bridal veil worn in 1815; shawl worn in 1797; bridal collar worn in 1830. |                |

**DEPT. L.—LIBERAL ARTS.****GROUP 150.**

- |     |   |     |
|-----|---|-----|
| 61. | Freeman, Miss Cassie E., New York. Specimen of typewriting.                         | 854 |
| 62. | Lyons, Miss M. R., Brooklyn, N. Y. Type written poems—"Tones and Undertones."       | 854 |
| 63. | Matthews, Mrs. W. E., New York. "Aunt Lindy," illustrated by Miss M. L. Payne.      | 854 |
| 64. | Post, Miss C., New York. Plush album—first sample of book-binding by colored women. | 854 |
| 65. | Ray, Misses F. F. and H. C., New York. Biography of Rev. C. B. Ray.                 | 854 |
| 66. | Ray, Miss H. Cordelia, New York. Sonnets.   | 854 |

**GROUP 151.**

- |     |  |     |
|-----|--|-----|
| 67. | Brown, Mrs. Clara S., Brooklyn, N. Y. Photographic retouching. | 871 |
| 68. | Johnson, Miss H. E., New York. Photographs on glass.           | 871 |

# List of Societies in the Room for Organizations.

## LOCATION—South Gallery.

- Association for Advancement of Women, Boston.  
 Association of Collegiate Alumnae, Washington, D. C.  
 American Society of Authors, Brooklyn, N. Y.  
 Chicago Woman's Club, Chicago.  
 Columbian Ass'n of Housekeepers, Chicago.  
 Catholic Benevolent Society, Salamanca, N. Y.  
 Emma Willard Pioneer Seminary, Ill.  
 Federation of Clubs, Orange, N. J.  
 Girls' Mutual Benefit Club, Chicago.  
 Girls' Friendly Society, New York.  
 Gunter Indian School, India.  
 Home of Our Merciful Saviour, Philadelphia.  
 Helmuth College, London, Ont.  
 Home of Our Merciful Saviour for Crippled Children, Philadelphia.  
 International Committee Young Women's Christian Ass'n, Chicago.  
 International Board Young Woman's Christian Ass'n, St. Louis.  
 Industrial Foreign Missions, M. E. Church, Evanston, Ill.  
 Industrial College of Mississippi, Columbus, Miss.  
 King's Daughters, New York.  
 Lasell Seminary, Auburndale, Mass.  
 Ladies' Hermitage Ass'n, Nashville, Tenn.  
 L'Union des Femmes de France, Paris, France.  
 Mary Washington Statue, Chicago.  
 Monticello Seminary, Godfrey, Ill.  
 National Association of Loyal Women of American Liberty.  
 National Science Club, Oberlin, Ohio.  
 National Council of Women, Indianapolis, Ind.  
 National Deaconesses Conference, Chicago.  
 New York Ass'n of Working Girls, New York.  
 Nebraska Ceramic Club, Omaha, Neb.  
 Non-Partisan Woman's Christian Ass'n, Washington, D. C.  
 Order of the Eastern Star, Chicago. Lorraine J. Pitkin, R.W.G., Sect'y, Woman's Bldg. Organization room 2d floor.  
 P. E. O. Sisterhood, Nelson, Neb.  
 Shut-in Society, Millersville, Pa.  
 Society for the Promotion of Physical Culture and Correct Dress, Chicago.  
 South End Flower Mission, Chicago.  
 The National Science Club for Women, Washington, D. C. Mrs. A. D. Davidson, Pres. Headqrs. space 21.  
 The Needlework Guild, New York.  
 The Non-Partisan W. C. T. U., Cleveland, Ohio. Mrs. Ellen J. Finney, Pres. Headquarters, space 6.  
 The Non-Partisan W. C. T. Alliance, Chicago. Mrs. J. R. Webster, Pres. Headquarters, space 51.  
 Unitarian Board of Missions, Chicago.  
 Woman's Columbian Club, Wichita, Kas.  
 Woman's Education and Industrial Ass'n, Boston.  
 Woman's Branch of the Congress Auxiliaries, Chicago.  
 Women's Christian Temperance Union, Chicago.  
 Woman's Board of Missions, Congregational, Boston.  
 Woman's National Indian Ass'n, Philadelphia.  
 Woman's Board of the Interior, Chicago.  
 Woman's Presbyterian Board of Missions, Chicago.  
 Woman's National Press Federation, Washington, D. C.  
 Woman's Home Missions, M. E. Church, Evanston, Ill.  
 Woman's Work for Woman, Chicago.  
 Woman's Club of Milwaukee, Wis.  
 Woman's National Relief Corps, Kansas.

# Norwegian Industrial Society of Chicago.

LOCATION—South Wing, B-4.

Manufactures, Liberal Arts.

## DEPT. H.—MANUFACTURES.

### GROUP 96.

Exhibit No.		Class'n No.
1. Molbeck, Miss, Chicago.	Hand carved table, card receiver and paper knife.	598
2. Pettersen, Miss, Chicago.	Hand carved screen.	598

### GROUP 102.

3. Olsen, Mrs. Ray, Chicago.	Linen towels, table cloths and napkins.	639
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### GROUP 103.

4. Olsen, Mrs. Ray, Chicago.		
a	Woolen dress goods.	641
b	Woven and feather rugs and bedspreads.	649
5. Svane, Miss, Christiansand, Norway.	Woven rug.	649

### GROUP 104.

6. Andreasen, Mrs. M., Chicago.	Doll in costume of Norland, Norway.	653
7. Benzen, Mrs., Chicago.	Smoking jacket, cap and slippers.	653
8. Christensen, Mrs. A., Chicago.	Dolls in national costume.	653

### GROUP 106.

Exhibit No.		Class'n No.
9. Holst, Miss, Chicago.	Linen embroidery.	665
10. Knudsen, Mrs., Chicago.		
a	Embroidered tidies.	665
b	Sofa pillow.	669
11. Motrud, Mrs., Chicago.	Crochet work.	665
12. Pettersen, Mrs., Chicago.	Felt embroidered table cover.	669
13. Pettersen, Miss, Chicago.		
a	Crocheted bedspread and embroidered rug.	665
b	Embroidered silk shawl.	669
14. Ray, Mrs., Chicago.	Baby's embroidered cloak, dress, jacket and shawl.	665
15. Windhold, Mrs. Betzy, Chicago.	Crocheted and embroidered bed spread.	665

### GROUP 107.

16. Abel, Mrs. I., Chicago.	Hairwork.	672
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## DEPT. L.—LIBERAL ARTS.

### GROUP 152.

17. Christensen, Mrs. A., Chicago.	Norwegian log cabin.	889
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## AUSTRIA.

LOCATION—South Wing, A-C, 8-9 unless otherwise specified.

## Manufactures.

## DEPT. H.—MANUFACTURES.

Exhibit No.	Class'n No.
<b>GROUP 90.</b>	
1. Her Imperial and Royal Highness Archduchess Maria Theresia. Screen with flowers.	572

**GROUP 96.**

2. Rust, Mrs. Bertha, Vienna.	Jewel
box and picture in pyrography.	
Rot. case 6	598

**GROUP 97.**

2a. Herzfeld, Hermine, Vienna.	Silver
filigree jewelry.	607

**GROUP 100.**

3. Bulow, Baroness Paula, Vienna.	
India shawl.	630

**GROUP 103.**

3a. Cohn, Hermine, Vienna.	Carpets.
	649
4. Freud, Rosa, Vienna.	Carpet.
	649
5. Guttman, Mrs., Leopoldine, Vienna.	
Carpet and cushions in Moorish style.	649
6. Landauer, Mrs., Vienna.	Carpet.
	649

**GROUP 104.**

6a. Hammerschmidt-Abdullah, Hermine, Vienna.	Gloves.
	657
7. Woman's Working Club, Vienna.	
Child's dress.	Rot. case 7
	652

**GROUP 106.**

8. Bamberger Mrs., Ernestine, Vienna.	
a Linen table square.	665
b Handkerchief.	Rot. case 7
	665
c Embroidered writing pad.	
	Rot. case 6
	669
d Embroidered cushions.	669
9. Castelnau, Graefin, Vienna.	Em-
broidered tea service.	Rot. case 7
	665

Exhibit No.	Class'n No.
10. Cohn, Hermine, Vienna.	
a Laces.	664
b Embroidery.	665
c Cushions and table covers.	669
11. Czerny, Mrs. Adele, Vienna.	Needle-
work screen.	Rot. case 6
	669
11a. Hammerschmidt-Abdullah, Hermine, Vienna.	Fans.
	667
12. Heger, Mrs. Katharine, Vienna.	
Handkerchief.	Rot. case 7
	664
12a. Herzfeld, Hermine, Vienna.	
a Laces.	664
b Embroidery.	665
13. Hoerner, Mrs. Marie, Vienna.	Painted
fan.	667
14. Imperial Royal Institute for Art Em-	
broidery and the manufacture of laces,	Vienna.
a Laces.	Rot. cases 6 and 7
	664
b Embroidery.	665
c Art embroidery.	669
15. Kabilka, Mrs. Pauline, Vienna.	Hang-
ing cushion.	669
16. Lausch, Mrs. Sidonie, Vienna.	Towel
and table square.	665
17. Markl, Mrs. Anna, Vienna.	
a Spanish lace.	664
b Table square.	665
c Embroidery in Chinese, Algerian,	
Moorish and Rococo styles.	669
18. Mayreder-Obermayer, Mrs. Rosl,	
Vienna.	Handkerchief.
	Rot. case 7
	664
19. Muench-Bellinghausen, Mrs., Vienna.	
Water color fan.	667
20. Plischke, Mrs. Anna, Vienna.	Fans.
	Rot. case 7
	667
21. Rabl, Mrs. Josephine, Vienna.	Table
cover.	Rot. case 6
	669
22. Reinel, Baroness Angelica, Vienna.	
Antique and modern laces.	664
23. Roth, Mrs. Marie, Vienna.	Laces.
	664
24. Rust, Mrs. Bertha, Vienna.	Fan.
	Rot. case 6
	667
25. Schinnerer, Mrs. Louise, Vienna.	Em-
broidered cushion and screen.	
	Rot. case 6
	669
26. Stiassny, Mrs. Emilie, Vienna.	Em-
broidered picture.	669

## Fine Arts, Liberal Arts.

Exhibit No.	Class'n No.
26a. Strassgy, Mary, Vienna. Lace collar.	664
27. Teschner-Benkowits, Mrs. Marie, Vienna. Embroidered picture.	669
28. Thun-Hohenstein, Countess, Vienna. Embroidery.	669
29. Vogel, Mrs. Clara, Vienna. Real laces.	Rot. case 6 669
30. Von Strassgy-Lederer, Mrs. Emma, Vienna. Embroidered pictures.	669
31. Walte, Mrs. Hermine, Vienna.	
a Table square and samples of hem-stitching.	Rot. case 6 665
b Embroidered screen.	669
32. "Wiener Mode" Newspaper. Embroidery.	Rot. case 6 665
32a. Woman's Working Club, Vienna.	Rot. case 7
a Lace articles.	664
b Fans.	667
c Embroidery.	669

## GROUP 108.

33. Mayreder-Obermayer, Mrs. Rosa, Vienna. Bead bag. Rot. case 7 680

## GROUP 110.

- 33a. Hammerschmidt-Abdullah, Hermine, Vienna. Sachet. 695

## GROUP 111.

34. Lang, Mrs. Marie, Vienna. Leather belt. 705

## DEPT. K—FINE ARTS.

## GROUP 140.

- Von Kirchsberg, Mrs. E., Vienna.  
35. Farm House in Lower Austria. Rot. N. W.  
Komlosy, Mrs. Irma, Vienna.  
36. Poppies. Rot. N. W.  
Littrow, Mrs. L., Vienna.  
37. Park in Abbazia. Rot. N. W.  
Lorinser-Koenig, Mrs. M., Vienna.  
38. A Botanist. Rot. N. W.  
Mueller, Mrs. Bertha, Vienna.  
39. A Study. Rot. N. W.  
Mueller, Mrs. Marie, Vienna.  
40. Mandolin Player. Rot. N. W.

Exhibit No.	Class'n No.
Von Poetting, Mrs. Adrienne G., Vienna.	
41. Death of Mignon. Rot. N. W.	
Pinell, Baroness, Vienna.	
42. At Grandmother's. Rot. N. W.	
Schnell, Herrmann, Mrs. Hermine, Vienna.	
43. Beginning of Spring. Rot. N. W.	
Schweninger, Mrs. Rosa, Vienna.	
44. Be Good Again. Rot. N. W.	
Wiesinger, Mrs. Olga, Vienna.	
45. Quarreling Mothers. Rot. N. W.	
Frobe, Mrs. Ludovica, Vienna.	
46. Chrysanthemums. Rot. N. W.	
Eschenburg, Baroness Marianne, Vienna.	
47. Tyrolean Girl. Rot. N. W.	
Von Breuning, Mrs. C., Vienna.	
48. Flowers. Rot. N. W.	
Budinski, Mrs. Minna, Vienna.	
49. Song of Love. Rot. N. W.	

## GROUP 141.

- Mayreder-Obermayer, Mrs. Rosa, Vienna.  
50. Roses. Rot. N. W.  
Poeningner, Mrs. Caroline, Vienna  
51. Flowers. Rot. N. W.  
Swoboda, Josefina, Vienna.  
52. Tyrolean Girl. Rot. N. W.  
Egner, Mrs. Marie, Vienna.  
53. Chickens. Rot. N. W.

## GROUP 142.

- 53a. Cohn, Hermine, Vienna. Painted screens and panels.  
53b. Hammerschmidt-Abdullah, Hermine, Vienna. Painted screen.  
54. Spielmann, Mrs. Rosa, Vienna. Paintings on silk.  
55. "Wiener Mode" Newspaper, Vienna. Painted plaque. Rot. case 6

## GROUP 144.

56. Friedlaender, Miss Hedwig, Vienna. Pastel—Child. Rot. N. W.

## DEPT. L—LIBERAL ARTS.

## GROUP 149.

57. Wittwann, Marie, Vienna. Kindergarten work. 841

# BELGIUM.

LOCATION—South Wing, D-F, 7-8.

Manufactures, Fine Arts.

## DEPT. H.—MANUFACTURES.

### GROUP 90.

Exhibit No.	Class'n No.
1. Green, Mrs. Georges, Brussels. Painted panels and enameled wood clock case.	570

### GROUP 91.

2. Bernier, M'lle, Brussels. Decorated plate.	577
3. Perrignon, M'lle, Brussels. Ceramic paintings.	578

### GROUP 95.

4. Foos, M'lle, Brussels. Church windows.	597
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### GROUP 106.

5. Her Majesty the Queen. Brussels lace shawl, flounces, jabots and veils; album of photo-gravures of ancient laces.	664
6. Daimeries, Mme., Brussels.	
a Antique and modern laces.	664
b Fan.	667
7. Denis, M'lle, Brussels. Embroidered chasubles; Bruges art embroidery.	669
8. Gasparoli, M'lle Brussels. Framed fan.	667
9. Guillon, Madame, Brussels. Tapestry made at Merxplas.	670
10. Kerchove de Nayer, Mme., Bellem. Embroidered bands, handkerchiefs and ladies' underwear.	665
11. Leurs-De Ronge, Mme., Brussels. Malines lace of eighteenth century.	664
12. Liedts, Baron, Brussels. Album of photo-gravures of ancient laces.	664
13. Limburg-Stirum, Countess de, Ghent. Ancient Malines and Valenciennes laces.	664
14. Massin, M'lle, Brussels. Painted fans.	667
15. Mawet, M'lle, Brussels. Modern Malines lace; Grammont lace shawl.	664
16. Mignot, M'lle, Brussels. Painted fan.	667
17. Minet, Madame. Ancient laces.	664

Exhibit No.	Class'n No.
18. Paige, Mme. Ancient Brussels lace.	664
19. Respaldizza, Mme. de. Droochel lace.	664
20. Treasurer of the St. Nicholas Church, Brussels. Lace mantle in Flemish style of early eighteenth century, used for draping figure of the Virgin.	664
21. Van Minden, Madame. Brussels lace scarf.	664
22. Wytzman, Mme., Brussels. Framed fans.	667

### GROUP 108.

23. Catoir, M'lle, Brussels. Painted card case and cigarette holder.	680
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### GROUP 115.

24. Belgium Women's Committee, Brussels. Fire screen.	724
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## DEPT. K.—FINE ARTS.

### GROUP 139.

25. D'Espiennes, Countess, Ciney. Plaster model of a draught horse.	820
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### GROUP 140.

Her Royal Highness the Countess of Flanders.	
26. Bond le Duc, Ardennes, Belgium. Beernaert, M'lle Euphrosine, Brussels.	
29. An Autumn Evening. D'Anethan, M'lle Alix, Paris.	
31. Holy Women at the Tomb. Henrotin, Mme. Marie, Liège.	
31a. A Farm Yard. Laumans, M'lle Fanny, Brussels.	
32. Waiting for the Artist. Meunier, M'lle Georgette, Brussels.	
33. Souvenirs of a Bride. Ransy-Putzeys, Mme., Liège.	
34. Primroses and Oranges. Triest-van Mulders, Mme., Brussels.	
35. Geraniums.	

**Fine Arts, Liberal Arts.**

- |                    |  |
|--------------------|--|
| <b>Exhibit No.</b> | <b>Van Geert, Mme. Flora, Antwerpen.</b> |
| 36.                | Mimosas.                                 |
| 37.                | Wytzman, Mme., Brussels.                 |
|                    | Peonies.                                 |

**GROUP 141.**

- |     |                               |
|-----|-------------------------------|
|     | <b>Her Majesty the Queen.</b> |
| 38. | Cytises.                      |
| 39. | Cyclamens                     |

**GROUP 142.**

- |     |   |
|-----|---|
|     | <b>De Bièvre, M'lle Mathilde, Brussels.</b> |
| 40. | Painted porcelain.                          |
|     | Donnet, Mme., Brussels.                     |
| 41. | Miniatures                                  |

**GROUP 143.**

- |     |   |
|-----|---|
|     | <b>Her Royal Highness the Countess of Flanders.</b> |
| 42. | Etchings.   |
|     | Danse, M'lle Louise, Mons.                          |
| 43. | Etchings.   |
|     | Destree-Danse, Mme., Mons.                          |
| 44. | Etchings.   |

**GROUP 144.**

- |                    |                                    |                    |
|--------------------|------------------------------------|--------------------|
| <b>Exhibit No.</b> | <b>Art, Mlle Berthe, Brussels.</b> | <b>Class'n No.</b> |
| 44a.               | Fruit and accessories.             | Pastels.           |
| 44b.               | Grapes.                            |                    |
|                    | Donard, Mons.                      |                    |
| 45.                | Drawings.                          |                    |

**DEPT. L.—LIBERAL ARTS.**

**GROUP 149.**

- |     |  |     |
|-----|--|-----|
| 46. | Belgian Women's Committee, Brussels.         |     |
|     | Easels and sculptor's table.                 | 846 |
| 47. | Domestic School for Girls, Brussels.         |     |
|     | Photographs.                                 | 848 |
| 48. | Industrial School, Brussels.                 |     |
|     | Decorated plates, painted panels and models. | 843 |

**GROUP 158.**

- |     |                                  |     |
|-----|----------------------------------|-----|
| 49. | Dell'Aqua, M'lle E., Brussels.   |     |
|     | Music.                           | 928 |
| 50. | Folville, M'lle Juliette, Liège. |     |
|     | Music.                           | 926 |
| 51. | Robert, M'lle Jenny, Brussels.   |     |
|     | Music.                           | 926 |

# CAPE OF GOOD HOPE.

LOCATION—South Wing, B, 8.

Horticulture, Manufactures, Liberal Arts.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
<b>DEPT. B—HORTICULTURE.</b>			
<b>GROUP 22.</b>			
1. Wild grasses.	165	11. Malay hat.	654
2. Pressed wild flowers on plates; water colors of Cape Flora.	169	12. Malay wooden shoes.	656
<b>DEPT. H—MANUFACTURES.</b>		<b>GROUP 105.</b>	
<b>GROUP 90.</b>		13. Wild skin rugs and sleeping mats.	661
3. Table.	568	14. Kaffir skin caps.	662
<b>GROUP 91.</b>		<b>GROUP 106.</b>	
4. Kaffir pottery and native dishes.	574	15. Embroidery, pin-cushion, table-cloth, doilies and Kaffir handkerchiefs.	665
<b>GROUP 93.</b>		16. Oriental embroidery.	669
5. Brass repoussé bellows, blotter and brush backs.	585	17. Framed screen tapestry.	670
<b>GROUP 96.</b>		<b>GROUP 108.</b>	
6. Piano back.	598	18. Fish scale, floral, leather and Kaffir baskets.	680
<b>GROUP 97.</b>		19. Kaffir sticks.	681
7. Silver filigree work.	607	<b>GROUP 110.</b>	
<b>GROUP 98.</b>		20. Fish scale work, wall brackets, tea cory, painted ostrich eggs, work by Basuto-land children, Kaffir feather curios and beadwork.	695
8. Kaffir necklaces and bangles; gold filigree work.	612	<b>GROUP 111.</b>	
<b>GROUP 100.</b>		21. Painted leather screens.	705
9. Silk handkerchiefs.	630	<b>GROUP 115.</b>	
<b>GROUP 104.</b>		22. Kaffir brooms.	730
10. Figures of Bushmen in full dress. Kaffir mantle, apron and belts; Mosuto woman's dress.	653	<b>DEPT. L—LIBERAL ARTS.</b>	
		<b>GROUP 158.</b>	
		23. Kaffir musical instruments	

## CEYLON.

Catalogue Entries Not Yet Received.

## CUBA.

LOCATION—South Wing, B-D, 5-6. Installed in Spanish Pavilion.

## Agriculture, Manufactures.

## DEPT. A.—AGRICULTURE.

## GROUP 8.

Exhibit No.	Class'n No.
1. Emilio Castelar Cigar Factory, Havana. Cigars.	52
2. La Corona Cigar Factory, Havana. Cigarettes.	52
3. Partagas Cigar Factory, Havana. Cigarettes.	52

## GROUP 9.

4. Women's Auxiliary Board, Havana. Various textile fibres.	59
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## DEPT. H.—MANUFACTURES.

## GROUP 91.

5. Adam, Angeles, Havana. Decorated china.	577
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## GROUP 101.

6. Garcia de Coronado, Domitila, Havana. Espino fans and picture frame and Yarey hats.	634
8. Women's Auxiliary Board, Havana. Ramie harness.	634

## GROUP 102.

9. Porre y Grimelles, Elia, Havana. Handkerchief.	639
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## GROUP 103.

10. Llano, Jose M., Havana. Hat linings.	648
11. Puerto, Jose, Havana. Hat linings.	648

## GROUP 104.

12. Ceballos, Maria Luisa, Havana. Corset.	653
13. Monin, Maria de, Havana. Corset.	653

## GROUP 106.

14. College of Isabel the Catholic, Havana. Embroidered portfolio.	669
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Exhibit No.	Class'n No.
15. Fernandez y Garcia, Miss, Havana. Embroidered handkerchief.	669
16. Gonzales Carballeda de Diaz Morero, Paula, Havana. Laces.	664
17. Guerra de Garcia Borron, Maria de la Paz, Havana. Embroidery.	669
18. Guerra y Millares, Manuela, Havana. Drawn work.	665
19. Home Benevolent Society, Havana. Ecclesiastical and other embroideries.	669
20. Horta y Pardo, Carmen, Havana. Embroidered banner representing the coat-of-arms of Coruna and musical emblems.	669
21. Moya y Garay, Rosario de, Havana. Lace handkerchief.	664
22. Nuns of St. Catalina, Havana. Bishop's mitre embroidered in gold.	669
23. Pequeno de Peraza, Manda, Havana. Embroidered cushions.	669
24. Porset de Alorda, Rosa, Havana. Embroidered portrait in imitation of crayon.	669
25. Real, Asuncion del, Havana. Embroidered handkerchief of pineapple fibre.	669
26. Real, Maria F. del, Havana. Embroidered handkerchiefs.	669
26a. Rodriguez, Rosa, Havana. Embroidered portrait of Columbus.	669
26b. Suris de Rivas, Vicenta, Havana. Espino artificial flowers.	666

## GROUP 110.

27. Women's Auxiliary Boards, Havana. Shell work, frame and cross.	695
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## GROUP 111.

28. College of Isabel, the Catholic, Havana. Leather work.	705
29. Equet, Maria, Havana. Leather work.	705
30. Netto, Maria Luisa, Havana. Leather work.	707
31. Rodriguez Alegre, Maria, Havana. Leather work.	

## Fine Arts, Liberal Arts, Ethnology.

**DEPT. K.—FINE ARTS.****GROUP 139.**

Exhibit No.		Class'n No.
	<b>Lazaro, Felipa G., Havana.</b>	
32.	Bust of Columbus.	820

**GROUP 140.**

	<b>Adam, Angeles, Havana.</b>	
33.	Flowers.	
	<b>Bellini, Adriana, Havana.</b>	
34.	Spring.	
35.	A Portrait.	
36.	Returning from Market.	
	<b>Bosch, Concepcion, Havana.</b>	
37.	View of Jesus del Monte.	
38.	Quite Another Thing.	
	<b>Garcia, Concepcion, Havana.</b>	
39.	Fruit.	
	<b>Garcia, Josefa, Havana.</b>	
40.	A Study.	
	<b>Gonzalez, Concepcion, Havana.</b>	
41.	Tourists in Spain.	
	<b>Martines de Melero, Elvira, Havana.</b>	
42.	Marine.	
43.	Landscape.	
44.	Study of a Head.	
45.	Study of a Head.	
	<b>Mercier y Garcia, Concepcion, Havana.</b>	
46.	Marine.	
47.	Stock Farm.	
	<b>Nobo, Dorila B. de, Havana.</b>	
48.	Melancholy.	

Exhibit No.		Class'n No.
	<b>Ricart, Maria, Havana.</b>	
49.	A Study.	
	<b>San Pedro, Rosa, Havana.</b>	
50.	Marine View Taken from Regla.	
51.	Landscape View Taken from Chorreras.	
	<b>Seva, Carolina, Havana.</b>	
52.	Marine.	

**GROUP 141.**

	<b>Adam, Angeles, Havana.</b>	
53.	Bunch of Flowers.	

**DEPT. L.—LIBERAL ARTS.****GROUP 149.**

54.	<b>Lazaro, Felipa G., Havana.</b>	Wooden frame for modeling busts.	846
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**GROUP 150.**

55.	<b>Woman's Auxiliary Board, Havana.</b>	Volumes of prose and poetry.	854
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**DEPT. M.—ETHNOLOGY.****GROUP 172.**

56.	<b>Woman's Auxillary Board, Havana.</b>	Portrait and record of studies of Dr. Francisca Rojas de Astudilla, the first woman admitted to the bar in Havana, Spanish West Indies.	
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## DENMARK.

LOCATION—North End of Rotunda.

Machinery, Manufactures, Fine Arts.

**DEPT. F.—MACHINERY.****GROUP 72.**

Exhibit No.	Class'n No.
1. Tietgen, Mrs., Copenhagen. Spinning wheel.	436

**DEPT. H.—MANUFACTURES.****GROUP 91.**

2. Host, Miss M., Copenhagen. Painted vase.	577
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**GROUP 96.**

3. Reedtz-Thott, Baroness, Gannoe. Wood carving.	598
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**GROUP 97.**

4. Bille, Mme. F. Silver clasp for shield.	607
5. D'Oxholm, Mme., Rosenfeldt. Silver scent boxes.	607
6. Suhr, Miss Ida, Copenhagen. Silver scent boxes and clasps.	607

**GROUP 104.**

7. D'Oxholm, Mme., Rosenfeldt. Figures with national costumes.	653
8. Raben-Levetzau, Countess, Lekkende. Man's coat and waistcoat from Fanoe Island.	652

**GROUP 106.**

9. H. R. Highness the Princess Royal of Denmark. National laces and handkerchief.	664
10. Ahlefeldt-Laurvig, Countess, Mullerup. a Left hand embroidery.	665
b Art embroidery.	659
11. Amdrup, Miss Agga, Christiansaede. Embroidery.	665
12. Carlsen, Miss, Gammelkjogegaard. Laces.	664
13. Danneskjold-Samsø, Countess Fernanda, Copenhagen. Laces.	664
14. Danneskjold-Samsø, Countess Wanda, Copenhagen. Laces.	664
15. De Bille, Mme. Ida. Lace made by an old lady.	664

Exhibit No.	Class'n No.
16. De Neergaard, Mme., Gunderslevholm. Hand-made tapestry.	670
17. D'Oxholm, Mme., Rosenfeldt. Laces.	664
18. Fog, Mrs. Anna, Copenhagen. Embroidery.	665
19. Holm, Miss. Embroidered handkerchief and case.	665
20. Holmblad, Mrs. Embroidered cushion from Amager.	666
21. Koudacheff, Princess Olga, Copenhagen. Embroidery.	665
22. Moltke, Countess, Copenhagen. Sampler, 1798.	663
23. Moltke-Bregentved, Countess, Copenhagen. Laces.	664
24. Reedtz-Thott, Baroness, Gannoe. a Laces.	664
b Embroidery.	665
25. Royal Benevolent Society, Copenhagen. Mended table covers.	665
26. Stausholm, Chr., Copenhagen. Embroidered dresses.	665
27. Vallo, Mrs. Embroidered skirt.	665
28. Wahl, Miss Thora. Laces.	664
29. Wolle, Mrs. Laces.	664

**GROUP 110.**

30. Reedtz-Thott, Baroness, Gannoe. Doll.	693
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**DEPT. K.—FINE ARTS.****GROUP 140.**

31. Her Majesty the Queen of Denmark. Roses; signed 1845.	
32. Hawkins, Miss Edith. Portrait on easel.	

**GROUP 141.**

H. R. H. the Princess Waldemar of Denmark.	
33. Apples.	
34. Mushrooms.	
35. Hay cart.	

## FRANCE.

LOCATION—South Wing A-F, 1 unless otherwise specified.

## Manufactures.

## DEPT. E.—MANUFACTURES.

## GROUP 90.

Exhibit No.	Class'n No.
1. Aumeunie, Paris. Lamps.	572
2. Braquenie & Co. Paris. Tapestry.	572
3. Chevrie, A., Paris. Round table.	572
4. Christoffe, C. & Co., Paris. Tea service.	572
5. Colin, Emile & Co., Paris. Chandelier and brackets.	572
6. Dalseme, L. & Son, Paris. Carpets.	572
7. Damon & Colin, Paris. Bookcase.	572
8. Damon & Colin, Women Employes of, Paris. Arm chair and folding screen.	572
9. Delessert, Mme. Gabriel, Paris. Screen.	572
10. Janselme, Ch., Paris. Tea table.	572
10a. Legion d'honneur, Maison de la, Saint-Germain-en-Laye. Portiere.	568
11. Pannier-Lahoche, Paris. Glass and bronze vase.	572
12. Poirier & Remon, Paris. Furniture.	572
13. Sormani, P., Paris. Louis XVI glass case.	572
14. Susse Brothers, Paris. Ornamental lamp.	572
15. Viardot, Gel. & Co., Paris. Japanese table.	572

## GROUP 91.

16. Apoil, Mme., National Manufactory, Sevres. Decorated Sevres porcelain vase.	577
17. Auvaillain, Mme., National Manufactory, Sevres. Sevres porcelain.	577
18. Bertaut, Mme., National Manufactory, Sevres. Sevres porcelain.	577
19. Bouteille, M'lle, National Manufactory, Sevres. Sevres porcelain.	577
20. Comtat, Mme., National Manufactory, Sevres. Sevres porcelain.	577
21. Demory, Mme., National Manufactory, Sevres. Sevres porcelain.	577
22. Descamps-Sabouret, Mme. Louise C., Paris. Painted friance plaques.	576

Exhibit No.	Class'n No.
23. Escallier, Mme., National Manufactory, Sevres. Decorated porcelain vase.	577
24. Forgeot, Mme., National Manufactory, Sevres. Sevres porcelain.	577
25. Grimaud, M'lle Manuelita, Paris. Decorated cup and saucer.	577
26. Grison, M'lle Marguerite, Paris. Decorated porcelain cups.	577
27. Hasenmeyer, M'lle, National Manufactory, Sevres. Sevres porcelain.	577
28. Laurent, M'lle Pauline, National Manufactory, Sevres. Decorated porcelain vase.	577
29. Legre, Mme., National Manufactory, Sevres. Sevres porcelain.	577
30. Leiber, Mme., National Manufactory, Sevres. Sevres porcelain.	577
31. Leroy, M'lle, National Manufactory, Sevres. Sevres porcelain.	577
32. Marrot, M'lle., National Manufactory, Sevres. Sevres porcelain.	577
33. Mathorel, Mme., National Manufactory, Sevres. Sevres porcelain.	577
34. Moriot, M'lle., National Manufactory, Sevres. Decorated porcelain ash tray.	577
35. Pannier Lahoche a l' Escalier de Cristal, Women Employes of Paris. Decorated porcelains. Rot. case 34	577
36. Renaud, Mme., National Manufactory, Sevres. Sevres porcelain.	577
37. Rousseau, Mme., National Manufactory, Sevres. Sevres porcelain.	577
38. Troger, M'lle, National Manufactory, Sevres. Sevres porcelain.	577
39. Troude, Mme., National Manufactory, Sevres. Sevres porcelain.	577

## GROUP 100.

40. Delessert, Mme., Gabriel, Paris. Tassels.	632
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## GROUP 104.

41. Bureau-Bigot, Mme. Fanny, Paris. Corsets and skirts.	633
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## Manufactures.

Exhibit No.	Class'n No.
42. <b>Chambre Syndicale des Fabricants de Gants, Grenoble. Gloves.</b>	657
43. <b>Duvelleroy, Paris. Feather.</b>	Rot. case 34 655
44. <b>Franck, Mme., Paris. Morning gown and underclothing.</b>	
45. <b>L'Aiguille Association Professionnelle, Paris. Reproduction of the history of costumes in France by dressed dolls.</b>	653
46. <b>Marguerite, Mme., Paris. Hats.</b>	655
47. <b>Mayer &amp; Morhange, Paris. Costumes of the large figures in the Salon of the French section.</b>	653
48. <b>Meyer, Esther, Paris. Hats.</b>	655
49. <b>Petit, Auguste, Women Employes of, Paris. Hats.</b>	655
49a. <b>Ville, M'lle Charlotte, Paris. Embroidered dress.</b>	653

## GROUP 106.

50. <b>Abbema, M'lle Louise, Paris. Fans.</b>	667
51. <b>Ahrweiler, Paris.</b>	
<i>a</i> Lace parasol cover.	664
<i>b</i> Fans.	667
52. <b>Angelus, A. P., Paris. Natural flowers fixed upon crape.</b>	666
53. <b>Ancelot, A., Women Employes of, Paris. Samples of imitation lace.</b>	664
54. <b>Bardin, M'lle Genevieve de, Paris. Fan.</b>	Rot. case 38 667
55. <b>Beaulaincourt, Countess de, Paris. Artificial flowers.</b>	666
56. <b>Bida, M'lle Elizabeth, Paris. Fans.</b>	Rot. case 39 667
57. <b>Boullerot, M'lle Clementine, Paris. Artificial flowers.</b>	666
58. <b>Braquenie &amp; Co., Women Employes of, Paris. Tapestry arm chair.</b>	670
59. <b>Buisot, Mme. E., Paris.</b>	
<i>a</i> Fans. Rot. cases 34, 38 and 39	667
<i>b</i> A collection of ancient fans.	So. end of Rot. 667
60. <b>Chenneviere, Mme. Cecile, Paris. Fans.</b>	Rot. case 39 667
61. <b>Clermont-Tonnerre, Mme. de, Paris. Embroidered screen.</b>	669
62. <b>Crouvezier, Ch. &amp; Son, Women Employes of, Paris. White embroidery.</b>	665
63. <b>Delessert, Mme., Gabriel, Paris. Embroidery.</b>	665
64. <b>Dumas, Mme., Paris. Fans.</b>	Rot. case 39 667
65. <b>Duvelleroy, Paris.</b>	
<i>a</i> Lace.	Rot. case 34 664
<i>b</i> Fans.	Rot. cases 34 and 39 667

Exhibit No.	Class'n No.
66. <b>Franck, Mme., Paris.</b>	
<i>a</i> Ancient laces.	Rot. case 31 664
<i>b</i> Modern lace.	French sec. 664
67. <b>Gartempe, Baroness de, Paris.</b>	
<i>a</i> Embroidered fans.	667
<i>b</i> Embroidered screen.	669
68. <b>Georges-Ville, M'lle Charlotte. Embroidery.</b>	665
69. <b>Grefuhle, Countess, Paris.</b>	
<i>a</i> Embroidered fans.	667
<i>b</i> Embroidered screens.	669
70. <b>Grollier, Marquise de, Paris. Fan.</b>	Rot. case 34 667
71. <b>Henry, a la Peensee, Women Employes of, Paris.</b>	
<i>a</i> Embroidered fan.	667
<i>b</i> Cushion.	669
<i>c</i> Tapestry.	670
72. <b>Henry, J. A., Women Employes of, Lyon. Art embroidery.</b>	669
73. <b>Horber, Mme., Paris. Fan.</b>	Rot. case 39 667
74. <b>Jourd'huy, Mlle. Nancy. Fan.</b>	Rot. case 34 667
75. <b>Lamy &amp; Giraud, Paris. Embroidery.</b>	665
76. <b>Lasellaz, Mme., Paris. Fan.</b>	Rot. case 39 667
77. <b>Lebreton, Mme., Paris. Fan.</b>	Rot. case 39 667
78. <b>Lefebure, Women Employes of, Paris. Lace flouncs.</b>	664
79. <b>Lefourichon-Leroudier, Mme., Paris. Triptic embroidery.</b>	665
79a. <b>Legion d'honneur, Loges. Art embroidery.</b>	669
80. <b>Legion d'honneur, Maison de la, Saint-Germain-en-Laye.</b>	
<i>a</i> Lace.	664
<i>b</i> Art embroidery.	669
81. <b>Leroudier, Mme., Lyon.</b>	
<i>a</i> Ancient embroidery.	Rot. case 35 669
<i>b</i> Modern art embroidery.	French sec. and N. gal. 669
82. <b>Maillot, M'lle Marguerite, Paris. Silk and pearl embroidery.</b>	669
83. <b>Municipal Council of Bayeux. Colored photographs of Flanders tapestry made by Queen Matild in the 10th century.</b>	E gal. 670
84. <b>Musee des Arts Decoratifs, Paris. French point lace.</b>	664
85. <b>Nayrolles, J., Women Employes of, Paris. Embroidered plush portiere.</b>	669
86. <b>Pailleron, Mme. Edouard, Paris. Embroidery.</b>	665
87. <b>Patay, Women Employes of, Paris. Artificial flowers.</b>	666

## Manufactures, Fine Arts.

Exhibit No.	Class'n No.
88. Poirier & Remon, Paris. Ancient embroidery. Rot. case 35	669
89. Saulnier, Mme. John, Bordeaux. Sixteenth century pearl and precious stone jewelry. Rot. case 35	669
90. Susse, M <sup>lle</sup> Marie, Paris. Embroidered basket for holding a baby.	669
91. Tignet, M <sup>lle</sup> , Paris. Silk embroidery.	669
92. Touteville, Mme. de, Paris. Tapestry screen.	670
93. Vaugeois-Binot, Women Employes of, Paris. Gold embroidered shield.	669
93a. Ville, M <sup>lle</sup> Charlotte, Paris. Art embroidery.	669
94. Waree, A., Women Employes of, Paris. Curtains.	664

## GROUP 108.

95. Ahrweiler, Women Employes of, Paris. Parasol.	682
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## GROUP 110.

96. Greffuhle, Countess, Paris. Bonbon boxes.	694
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## GROUP 114.

97. Henry, a la Pensee, Women Employes of, Paris. Lamp shades.	719
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## DEPT. K.—FINE ARTS.

## GROUP 139.

Bernhardt, Mme. Sarah, Paris.	
98. Marble bust of a child.	820
99. Marble bust of M <sup>lle</sup> Louise Abbema.	820
100. Marble bas-relief, "Ophelia." Rot., E. C.	821
Bertaux, Mme. Leon, Paris.	
101. Marble bust—Sophia Arnould.	820
102. Bronze statue—Young Girl in Bath. Rot., E. C.	822
103. Bronze statue—Psyche under the Empire of Mystery. Rot., W. C.	822
Chatrousse, Paris.	
104. Bronze statue—Joan of Arc.	822
Clovis Hugues, Mme., Paris.	
105. Bust—My Little Lass.	820
Contan, Mme., Paris.	
106. Marble statue—The Source. Rot., S. E.	820
Lancelot-Croce, Marcelle R., Rome, Italy.	
107. Bronze bas-relief—Champagne.	821

Exhibit No.	Class'n No.
Manuela, Mme. A.	
108. Marble group—Saint Hubert. W. vest.	820
109. Bronze statue—Diana.	822

## GROUP 140.

Abbema, M <sup>lle</sup> Louise, Paris.	
110. Flowering Cliff. Rot. S. E.	
111. Portrait of M. Abbema.	
Bashkirtseff, M <sup>lle</sup> Marie.	
112. Jam and John. Rot. S. E.	
Boyer, Breton, Paris.	
113. Spanish Girl. Rot. S. E.	
Brouardel, Mme., Laure, Paris.	
114. Normandy Landscape. Rot. S. E.	
Buchet, Mme. Julie, Paris.	
115. Gallery of the Venus of Milo. Rot. S. E.	
Chatillon, Mme. Laure de, Paris.	
116. Peasant Orphan. Rot. S. E.	
Colin-Libour, Mme. Uranie, Paris.	
117. At the Nurse's. Rot. S. E.	
Cornelius, Mme. Marie Lucie, Paris.	
118. Pheasant and Duck. Rot. S. F.	
De Cool, Mme. Delphine, Paris.	
119. The Poor Man's Soup. Rot. S. E.	
Demont-Breton, Mme., Virginie, Montgeron.	
120. The Bath. Rot. S. E.	
Guyon-Goepp, Mme., Maximilienne, Paris.	
121. Music. Rot. S. E.	
La Villette, Mme., Elodie, Lorient.	
122. Dieppe Jetty. Rot. S. E.	
Lemaire, Mme. Madeleine, Paris.	
123. Flowers. Rot. S. E.	
124. Flowers.	
Muraton, Mme., Euphenie, Paris.	
125. Perlette. Rot. S. E.	
Rougier, M <sup>lle</sup> Jeanne, Paris.	
126. Portrait of Miss A. T. Rot. S. E.	
Turner, M <sup>lle</sup> Marguerite, Paris.	
127. The End of the Tale. Rot. S. E.	
Vallet, Mme., Frederique, Paris.	
128. The Two Roses. Rot. S. E.	
Villebesseyx, Mme., Jenny, Paris.	
129. Chrysanthemums. Rot. S. E.	
Zillhardt, M <sup>lle</sup> Jenny Valentine, Paris.	
130. Portrait. Rot. S. E.	

## GROUP 141.

Abbema, M <sup>lle</sup> Louise, Paris.	
131. Painted lamp shade.	
Brouardel, Mme. Laure, Paris.	
132. Interlud at Maroca. Rot. S. E.	
Chapoday, Marquise de, Paris.	
133. Flowers.	
Cosse-Brissac, Countess de.	
134. Hollyhocks.	

## Fine Arts, Liberal Arts.

Exhibit No.	Class No.
	<b>Lemaire, Mme. Madeleine, Paris.</b>
136.	The Woman and the Rose. Rot. S. E.
	<b>Mazeline, Mme. Jehanne, Paris.</b>
137.	The Pages of the Doges' Palace at Venice. Rot. S. E.

**GROUP 142.**

	<b>Barbas, M'lle, Nancy.</b>
138.	Painted screens.
	<b>Borel, M'lle Lucie, Paris.</b>
139.	Miniatures and enamels. Rot. case 38
	<b>Chaffault, Countess du, Paris.</b>
140.	Enamels. Rot. case 38
	<b>De Cool, Mme. Delphine, Paris.</b>
141.	Enamels and miniatures. Rot. cases 37 and 38
	<b>Felice, M'lle C., Paris.</b>
141a.	Enamels. Rot. case 34
	<b>Gabriel-Nicolas, M'lle Berthe, Paris.</b>
142.	Enamels. Rot. case 38
	<b>Garnier, Mme. Marie, Paris.</b>
143.	Miniatures. Rot. case 37
	<b>Grimaud, M'lle Manuelita, Paris.</b>
144.	Miniatures. Rot. case 37
	<b>Grisson, M'lle Marguerite, Paris.</b>
145.	Miniatures. Rot. case 34
	<b>Guerin, M'lle Marie, Paris.</b>
146.	Miniatures. Rot. case 37
	<b>Herve, Mme. Isabelle, Paris.</b>
147.	Miniature. Rot. cases 37 and 38
	<b>Isbert, Mme. Camille C., Paris.</b>
148.	Miniatures. Rot. case 37
	<b>Labretoigne du Mazel, M'lle de.</b>
149.	Enamels. Rot. case 38
	<b>Lachaud, M'lle Gabrielle, Paris.</b>
150.	Miniatures. Rot. cases 34 and 37
	<b>Louvet, Mme. Marie M., Paris.</b>
151.	Enamels. Rot. case 34
	<b>Michaud, M'lle Marie.</b>
152.	Painted porcelain miniature. Rot. case 37
	<b>Miseroole, M'lle, Paris.</b>
153.	Painted porcelain miniatures and pictures. Rot. cases 37 and 38
	<b>Neiter, Mme. Gabrielle, Paris.</b>
154.	Painting on round table in Salon in French section.
	<b>Nugent, M'lle Marie de, Paris.</b>
155.	Enamels. Rot. case 34
	<b>Peynot, Mme., Paris.</b>
155a.	Miniatures. Rot. case 34
	<b>Rehm, M'lle Victorine, Paris.</b>
156.	Enamels. Rot. case 38
	<b>Richard, M'lle, National Manufactory, Sevres.</b>
	Paintings on porcelain.
158.	The Lost Star.
159.	The Waking of Cupid.
160.	Manon Lescaut.

6-W

Exhibit No.	Class No.
	<b>Richard, M'lle H., Paris.</b>
161.	Enamels. Rot. cases 37 and 38
	<b>Richard, Mme. Hortense, Paris.</b>
162.	Painted porcelains.
	<b>Richard, M'lle Marie, Paris.</b>
163.	Enamels. Rot. case 38
	<b>Sainte-Anne, M'lle de, Paris.</b>
164.	Enamels. Rot. case 38
	<b>Seguin, Mme. Paul, Paris.</b>
165.	Miniature on porcelain. Rot. case 38
	<b>Souhart, M'lle Henrietta, Paris.</b>
166.	Miniatures. Rot. case 37
	<b>Souhart, M'lle Jeanne, Paris.</b>
167.	Miniatures. Rot. case 37

**GROUP 143.**

	<b>Malsis, M'lle Louise, Paris.</b>
168.	Two wood engravings.

**GROUP 144.**

	<b>Bourges, M'lle Leonide Anvers-sur-Oise.</b>
169.	Pen and ink drawings.
	<b>Coesme, M'lle, Havre.</b>
170.	Charcoal drawings in folding screen.
	<b>De Cool, Mme. Delphine, Paris.</b>
170a.	Pastel—Return from the Market.
	<b>Gontier, Mme., Paris.</b>
171.	Pen and ink Portrait.
	<b>Houssaye, Mme. Josephine, Paris.</b>
172.	Pastel portrait. Rot. S. E.
	<b>Huillard, Mme. Esther, Paris.</b>
173.	Pastel. Young Girl with Fan. Rot. S. E.
	<b>La Calle, Mme. de, Paris.</b>
174.	Charcoal Portrait.
	<b>Mourier, Mme. Matyld, Paris.</b>
175.	Charcoal Landscape. Rot. S. E.
	<b>Vrignault, M'lle Madeleine, Paris.</b>
176.	Pen and ink Portrait.

**GROUP 145.**

	<b>Read, M. Charles, Paris.</b>
177.	"Venus"—Ivory Statuette of the Renaissance.

**DEPT. L.—LIBERAL ARTS.****GROUP 147.**

	<b>178. Association of French Women, Paris.</b>
	Medicine chest and dressing for wounds. Org. room 832
	<b>179. Bureaus for the Employment of Nurses, Paris. Statistics. Rec. room 832</b>
	<b>180. Children's Home, Levallois-Perret. Statistics. Rec. room 831</b>

## Liberal Arts.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
181. David, Leon, Havre. Plans of woman's hospital.	Rec. room 832	206. Maternity Home, Paris. Statistics.	Rec. room 832
182. Day Nurseries. Statistics of work since their foundation.	Rec. room 831	207. National Institution for Deaconesses, Paris. Statistics.	Rec. room 832
183. Day Nursery of Angers, Angers. Statistics.	Rec. room 831	208. Night Refuges for Women and Children, Paris. Statistics.	Rec. room 831
184. Day Nursery of Picpus, Paris. Statistics.	Rec. room 831	209. Ophthalmic Clinic of Dr. Landolt, Paris. Statistics.	Rec. room 832
185. Day Nursery of Saint Marcel de la Maison Blanche, Paris. Statistics, plan and photographs.	Rec. room 831	210. Orphan Asylum, Crest. Doll showing costume of inmates.	Edu. room 831
186. Emilie Asylum, Arvert. Statistics.	Rec. room 831	211. Orphan Asylum of St. Sulpice, Paris. Child's dress.	Edu. room 831
187. Factory Refuge, Rouen. Statistics.	Rec. room 831	212. Orphan Asylum of the Arts, Courbevoie. Statistics.	Rec. room 831
188. Francois Delessert Asylum, Paris. Statistics.	Rec. room 831	213. Orphan Asylum for Young Girls, Angers. Statistics.	Rec. room 831
189. Free Hospital of Notre Dame de Perpetuel, Secours, Neuilly-Levallois. Statistics.	Rec. room 832	214. Protestant Day Nursery, Nimes. Statistics.	Rec. room 831
190. French Home for Domestic out of Employment, Paris. Statistics.	Rec. room 831	215. Protestant Refuge for Domestic and Young Working Women, Paris. Statistics.	Rec. room 831
191. French Red Cross Aid Society, Paris. Statistics.	Rec. room 832	216. Protestant Refuge for Young Girls, Ferney. Statistics.	Rec. room 831
192. French Union for the Protection of Infants, Paris. Statistics and pamphlets.	Rec. room 831	217. Protestant Refuge for Young Girls, Brassac. Statistics.	Rec. room 831
193. Gouvello, Marquise de, Paris. Statistics of the agricultural orphanages established by her.	Rec. room 831	218. Refuge for Aged Jewish Women, Luneville. Statistics.	Rec. room 831
194. Greffuhle Hospital, Levallois-Perret. Statistics.	Rec. room 832	219. Refuge for Aged Jewish Women, Nancy. Statistics.	Rec. room 831
195. Henry, Mme. Sketch of artificial mother for new born child. A feeder.	Edu. room 832	220. Refuge for Jewish Children, Neuilly-sur-Seine. Underclothing and fine mending.	Edu. room 831
196. Home for Teachers and Servants out of Employment, Bordeaux. Statistics.	Rec. room 831	221. Refuge for Young Protestant Orphans, Nerac. Statistics.	Rec. room 831
197. Home for Women Servants, Cannes. Statistics.	Rec. room 831	222. Saint-Dominique Employment House, Paris. Work of the children.	Edu. room 831
198. Jewish Hospital, Bayonne. Statistics.	Rec. room 832	223. Saint Nicholas Refuge for Old Women, Angers. Photographs.	Rec. room 831
199. John Bost Asylum, Laforce. Statistics.	Rec. room 831	224. Society for Abandoned Young Girls, Courbevoie. Statistics.	Rec. room 831
200. La Maternite de Paris, Paris. Photographs and diagrams of the establishment for women in childbirth.	Rec. room 832	225. Society for French Homes in Europe, Paris. Statistics.	Rec. room 831
201. Marine Orphan Hospital, Rochefort. Statistics.	Rec. room 832	226. Society for the Protection of Infants, Paris. Statistics.	Rec. room 831
202. Maternal Charity Society, La Rochelle. Statistics.	Rec. room 832	227. Society for Young Convalescent Women Discharged from Hospitals, Epinay-sous-Senart. Statistics.	Rec. room 832
203. Maternal Charity Society, Paris. Statistics.	Rec. room 831	228. Union of the Women of France, Paris. Model of campaigning hospital.	Org. room 832
204. Maternal Refuge, Nimes. Statistics.	Rec. room 832	229. Woman's Aid Society for Poor Jewish Women, Sedan. Statistics.	Rec. room 831
205. Maternal Refuge Paris. Statistics.	Rec. room 832		

## Liberal Arts.

## GROUP 149.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
230. Abbema, M <sup>lle</sup> Louise, Paris. Designs for decorative panel.	W. vest. 852	250. National Institute for Young Blind Girls, Paris. Knit and crochet work.	Edu. room 849
231. Academy of Painting, Paris. Statistics of the painting class.	Rec. room 846	251. National School of Music, Montpelier. Regulations of the school.	Rec. room 852
232. Branches of the National Conservatories of Music and Declamation in the Provinces. Statistics.	Rec. room 852	252. National School of Music, Nimes. Statistics.	Rec. room 852
233. City of Paris. Statistics of the commercial education of women.	Rec. room 852	253. Nelly-Hager, M <sup>lle</sup> , Paris. Course of instruction for young ladies.	Rec. room 851
234. City Schools, Paris. Various copy books.	Edu. room 850	254. Nugent, M <sup>lle</sup> Marie, Paris. Statistics of the drawing and painting classes.	Rec. room 852
235. Commercial Schools, Paris. List of the business colleges.	Rec. room 852	255. Parent, M <sup>lle</sup> Hortense, Paris. Music class; teaching of music.	Rec. room 852
236. Department of Fine Arts, Paris. Statistics of the artistic education of young girls in France by the government.	Rec. room 852	256. Pigier, Paris. Statistics and photographs of school of commercial instruction.	Rec. room 852
237. Des Essards-Boblet, M <sup>lle</sup> , Paris. Classes for young girls; specimens of work.	Rec. room 843	257. Professional or Industrial Schools. List of the principal establishments or classes.	Rec. room 843
238. Fabre, Mme. Anna, Paris. Music method; class by correspondence.	Rec. room 852	258. Professional School of Vaugirard, Paris. Sachet.	Edu. room 852
239. Factory School, Paris. Statistics.	Rec. room 847	259. School in the Compagnie d'Orleans, Paris. Underclothing and embroidery made by the pupils.	Edu. room 843
240. Free Schools, Paris. Various copy books.	Edu. room 850	260. School in the Rue Demours, Paris. Work of pupils.	Edu. room 843
241. French Government. Statistics of education, including primary, intermediate and high schools and colleges.	Rec. room 853	261. School in the Rue Vandrezanne, Paris. Specimens of mending.	Edu. room 843
242. Government Schools of Music in the Provinces. Statistics.	Rec. room 852	262. School of St. Bernard de la Chapelle, Paris. Blotting pad calendar.	Rec. room 843
243. House of the Legion of Honor, Les Loges. Lithographic stones and engraved plates.	Rec. room 852	263. School of St. Nicolas-des-Champs, Paris. Woolen dress.	Edu. room 845
244. Industrial and Commercial Instruction, Paris. Statistics of the various establishments of the Bossuet system of instruction.	Rec. room 843	264. Society for the Encouragement of Arts and Trades for Young Jewish Girls. Statistics.	Rec. room 843
245. Industrial Instruction of Women, Paris. List of the schools.	Rec. room 848	265. Society for the Industrial Instruction of Women, Paris. Statistics.	Rec. room 843
246. Marchesi, Mme. Mathilde, Paris. Musical statistics, photographs, books.	Rec. room 852	266. Thiebault, M <sup>lle</sup> Isabelle, Paris. Woolen dress and hosiery made by scholars.	Edu. room 843
247. Mazeline, Mme. Jehanne, Paris. Statistics of the drawing and painting classes.	Rec. room 852	267. Trade School for Young Jewish Women, Paris. Object of the school.	Rec. room 843
248. National Conservatory of Music and Declamation, Paris. Regulation of the classes.	Rec. room 852	268. Van Parys, Mme. Louise, Paris. Designs for decorative panels.	W. vest. 852
249. National Institution for the Young Blind, Paris. Statistics.	Rec. room 849	269. Women Artists. Statistics of the rewards obtained by the women artists.	Rec. room 852

## Liberal Arts.

## GROUP 150.

Exhibit No.	Class'n No.
270. Band, M'lle, Paris. Illuminated manuscript.	854
271. Beck, M'lle Julia, Vauresson. Illuminations.	854
272. Bida, Mme., Paris. An illuminated manuscript.	Rot. case 34 854
273. French Government. 1,145 volumes by 376 women authors of France.	N. Y. Lib. 854
274. Guilbert, M'lle A., Paris. Illuminated manuscript.	Rot. case 34 854
275. Lacroix, Mme. Gabrielle, Paris. Book illustrations.	Rot. case 34 854
276. Montcharmont, M'lle Denise, Paris. Illuminated manuscript.	Rot. case 34 854
277. Moye, Mme. Ernest, Paris. Illuminated missal.	Rot. case 34 854
278. Soudan, M'lle Ernestine, Creuzot. Illuminated missal.	Rot. case 34 854

## GROUP 151.

279. Uzes, Duchess d'. Photographs.	871
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## GROUP 153.

280. Society for the Protection of Young Girls in Prison or Released, Chatenay. Statistics.	Rec. room 894
281. Society for the Aid of Women in Prison or Liberated, Paris. Statistics.	Rec. room 894

## GROUP 156.

All Exhibits in this Group are Installed in the Record Room.

282. A la Grande Maison, Simon & Co., Paris. The Pension and Provident Institution founded by the firm.	918
283. Association of French Women, Paris. Statistics.	918
284. Association of Mothers of Families, Paris. Statistics.	912
285. Association of Women Employed in Dressmaking and Related Trades, Paris. Objects of the association.	915
286. Association of Young Business Women, Paris. Statistics and books.	914
287. Belle Jardiniere, La, Paris. Statistics of the benefit fund of the clothing house.	918
288. Bon Marche, Le, Paris. Statistics of the working of the establishment.	918
289. Charitable Association of Society Women, Paris. Statistics.	918

Exhibit No.	Class'n No.
290. Dispensary of the Mutual Aid Societies, Angers. Statistics.	918
291. Dressmakers' Mutual Aid Society, Paris. Statistics.	918
292. Employment Aid Society, Paris. Statistics.	918
293. Employment Bureaus, Paris. Statistics.	918
294. La Famille Mutual Aid Society, Angers. Objects of the society.	918
295. Mothers' Mutual Aid Society, Paris. Statistics.	918
296. Mutual Aid Society, Angers. Statistics.	918
297. Mutual Aid Society for Dramatic Artists, Paris. Statistics.	918
298. Society for Saving Abandoned or Depraved Children, Paris. Statistics.	918
299. Society for Clothing the Poor, Marseille. Statistics.	918
300. Society for the Aid of Children Employed in Feather and Artificial Flower-making, Paris. Statistics.	918
301. Society for the Elevation of Morals, Bordeaux. Statistics.	918
302. Society for the Establishment of Young Jewish Women, Paris. Statistics.	915
303. Union of the Women of France, Paris. Statistics.	918
304. Society of Young Women Apprentices, Paris. Statistics.	915
305. Society of Young Saleswomen, Paris. Statistics.	912
306. Society of Chaussee-du-Maine, Paris. Statistics.	918
307. Society of Trois-Semaines, Paris. Statistics.	918
308. Society of Young Jewish Women, Luneville. Statistics.	912
309. Society of Young Jewish Women, Lyon. Statistics.	912
309a. Women Liberated from Saint Lazare, Society for the Aid of Statistics.	918

## GROUP 157.

All Exhibits in this Group are Installed in the Record Room.

310. Benevolent Society of Jewish Women, Marseille. Statistics.	925
311. Charity Societies of Miss de Broen, Paris. Statistics, photographs and books.	925
312. Charity Society of Protestant Women, La Rochelle. Statistics.	925
313. Christian Asylum for Women Servants, Paris. Statistics.	924

## Liberal Arts.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
314.		342.	
Congregation of Saint Charles, Angers. Statistics of the charitable society for sick persons and young girls.	925	Protestant Orphan Asylum des Billottes, Paris. Statistics.	925
315.		343.	
General Society of Catholic Trade Schools for Young Girls, Paris. Scope of the society and list of the schools.	925	Protestant Orphan Asylum, Lyon. Statistics.	925
316.		344.	
House of Charity of the Golden Cross, Montbeliard. Statistics.	925	Protestant Orphan Asylum, Montauban. Statistics.	925
317.		345.	
Home of Convalescents for Protestant Women, Paris. Statistics.	925	Protestant Orphan Asylum, Nimes. Statistics.	925
318.		346.	
Jewish Benevolent Society, Paris. Statistics.	925	Protestant Orphan Asylum, Orleans. Statistics.	925
319.		347.	
Jewish Charity Society, Dijon. Statistics.	925	Protestant Orphan Asylum, Sedan. Statistics.	925
320.		348.	
Jewish Community, Epinal. Statistics.	919	Protestant Refuge of Paris, Paris. Statistics.	925
321.		349.	
Jewish Community, Haute-Saone. Statistics.	919	Protestant Rent Aid Society of the Quartier des Ternes, Paris. Statistics.	925
322.		350.	
Jewish Community of Territoire de Belfort, Belfort. Statistics.	919	Protestant Society for Clothing New Born Infants, Nimes. Statistics.	925
323.		351.	
Jewish Community, Remiremont. Statistics.	919	Protestant Society for Reduced Rents. Statistics.	925
324.		352.	
Jewish Community, Saint-Die. Statistics.	919	Protestant Society for Visiting Hospitals, Paris. Statistics.	925
325.		353.	
Jewish House of Refuge for Children, Neuilly-sur-Seine. Statistics.	925	Protestant Society for Visiting Women's Prisons, Paris. Statistics.	925
326.		354.	
Jewish House of Refuge, Lyon. Statistics.	925	Protestant Society of La Roche, Paris. Statistics.	925
327.		355.	
Jewish House of Refuge for the Aged, Paris. Statistics.	925	Saint Vincent de Paul Employment House Bureau, Angers. Statistics.	925
328.		356.	
Jewish Society for Women in Childbirth, Paris. Statistics.	925	Society for the Protection of Young Jewish Women, Bayonne. Statistics.	925
329.		357.	
Jewish Society of Women of la Sagesse, Bordeaux. Statistics.	925	Society of Jewish Women, Etain. Statistics.	925
330.		358.	
Jewish Women of Charity, Nancy. Statistics.	925	Society of Jewish Women, Lyon. Statistics.	925
331.		359.	
Jewish Women of la Gironde, Society of, Bordeaux. Statistics.	925	Society of Jewish Women, Reims. Statistics.	925
332.		360.	
Jewish Women, Society of, Lille. Statistics.	925	Society of Jewish Women, Roubaix. Statistics.	925
333.		361.	
Jewish Women, Society of, Luneville. Statistics.	925	Society of Jewish Women, Saint Etienne. Statistics.	925
334.		362.	
Little Sisters of the Poor. Statistics.	925	Society of Jewish Women, Verdun. Statistics.	925
335.		363.	
Protestant Benevolent Society, Paris. Statistics.	925	Society of the Daughters of Zion, Nancy. Statistics.	925
336.			
Protestant Home for Convalescents, Champagne-les-Lyon. Statistics.	925		
337.			
Protestant Home, Paris. Statistics.	925		
338.			
Protestant Orphan Asylum, Anduze. Statistics.	925		
339.			
Protestant Orphan Asylum, Chatel-Censoir. Statistics.	925		
340.			
Protestant Orphan Society, Crest. Statistics.	925		
341.			
Protestant Orphan Asylum, Dely-Brahim, Algeria. Statistics.	925		

## GROUP 158.

All Exhibits in this Group are Installed in the Record Room.

364.	Baderzewska, Mme. Tecla. Piece for piano.	926
365.	Carissan, M'ile Celanie, Paris. Various scores and pieces.	926
366.	Carreno, Mme. Teresa. Two volumes of musical studies.	926
367.	Chaminade, M'ile Cecile, au Vestinet. Various scores and pieces.	926

## Liberal Arts, Ethnology.

Exhibit No.	Class'n No.
368. Cinti-Damoreau, Mme. Three volumes of music methods.	926
369. Clayton, M <sup>lle</sup> Anna. Seven pieces of music.	926
370. Coppinger, M <sup>lle</sup> Paris. Method of notation for piano.	926
371. Duken, M <sup>lle</sup> Sophie. Volume of songs.	926
372. Fabre, Mme. Anna, Paris. Music method; classes by correspondence.	926
373. Ferrari, Mme. Gabrielle, Paris. Musical compositions.	926
374. Fuschs, Mme. Henrietta, Paris. Music, books and pieces.	926
375. Gennaro-Chretien, Mme., Hedwige. Method, pieces and scores.	926
376. Grandval, Countess de, Paris. Scores and pieces.	926
377. Holmes, M <sup>lle</sup> Augusta, Paris. Scores and pieces.	926
378. Jaell, Mme. Marie. Music method and three pieces.	926
379. Jenny, Mme. Maria, Paris. Pieces of music, songs and books.	926
380. Judic, Mme. Anna. Song.	926
381. Jumel, Mme. A., Neuilly-sur-Seine. Music method.	926
382. Juranville, Mme. Clarisse. Piano pieces.	926
383. Karl, Mme. Anna. Piece of music.	926
384. Klarang, M <sup>lle</sup> Marguerite, Paris. Pieces and scores.	926
385. Lacombe, Mme. Andree. Piano pieces.	926
386. Latenay de Lissac, Countess de. Piano pieces.	926
387. Lebour-Nourrit, Mme. Charles. Piano pieces.	926
388. Le Chevallier de Boisval, M <sup>lle</sup> Marguerite. Piano pieces.	926
389. Leite, Mme. Ernestine. Piano pieces.	926
390. Marchesi, Mme., Paris. Twenty-five volumes of music.	926
391. Martel, Mme. Teresa. Study for the violin.	926
392. Milanollo, Mme. Teresa. Fantaisie for piano.	926
393. Moullins, Mme. Amelie. Fantaisie on "Martha."	926
394. Parent, M <sup>lle</sup> Hortense, Paris. Music method, course, pieces and pamphlets.	926
395. Patti, Mme. Adelina. Piano piece.	926
396. Patti, Mme. Carlotta. Twelve studies for soprano.	926
397. Perronnet, Mme. Amelie. Collections of melodies.	926

Exhibit No.	Class'n No.
398. Polmartin, Mme. Score for piano of "L'Africaine."	926
399. Puget, Mme. Loisa. Piano pieces.	926
400. Rothschild, Mme., Willy de. Music.	926
401. Salvator, Mme. Alice, Paris. Piano pieces.	926
402. Thys, Mme. Pauline. Piano pieces.	926
403. Valdes, Mme. Andre. Piano pieces.	926
404. Viardot, Mme. Pauline. Pianopieces.	926

## DEPT. M.—ETHNOLOGY.

## GROUP 172.

All Exhibits in this Group are Installed in the Record Room, Unless Otherwise Specified.

406. Administration of Government Manufactures. Statistics of woman's work.
407. Administration of Mail, Telegraph and Telephone Service. Statistics of woman's work.
408. A la Grande Maison, Simon & Co. Paris. Statistics of woman's work.
409. Amieux Bros., Chantenay-les-Nantes. Statistics of woman's work.
410. Artificial Flowers Industry, Paris. Statistics of woman's work.
411. Bank of France. Statistics of woman's work.
412. Belle Jardiniere, La, Paris. Statistics of woman's work.
413. Berger, C., & Co., Rouen. Statistics of woman's work.
414. Bon Marche, Le, Paris. Statistics of woman's work.
415. Boulenger, H., & Co., Choisy-le-Roi. Statistics of woman's work.
416. Central and Branch Markets of Paris. Statistics of woman's work.
417. Colcombet & Co., Saint Etienne. Statistics of woman's work.
418. Committee of the French Exhibits in the Woman's Building. General statistics of the women of France.
419. Cotton Industries, Roanne. Statistics of woman's work.
420. Credit Foncier, Paris. Statistics of woman's work.
421. Credit Industriel et Commercial, Paris. Statistics of woman's work.

## Ethnology.

## Exhibit

No.

422. Credit Lyonnais. Statistics of woman's work.
423. Dauphinot & Rogelet, Reims. Statistics of woman's work.
424. Daveniere & Co., Calais. Statistics of woman's work.
425. Dechelette, Remi & Son, Roanne. Statistics of woman's work.
426. Dumagnon, J., Paris. Statistics of woman's work.
427. Duval Restaurant Company, Paris. Statistics of woman's work.
428. French Government. Statistics of woman's work in France in various departments, her life, wages, etc.
429. French Society for Hunting and Military Goods, Paris. Statistics of woman's work.
430. Fur Manufacturing Industries, Paris. Statistics of woman's work.
431. Herbin, A., Nancy. Statistics of woman's work.
432. Lefebure, Paris. Statistics of woman's work.
433. Legrand, L., & Co., Paris. Statistics of woman's work.
434. Liaud Brothers, Paris. Statistics of woman's work.
435. Louit Brothers, Bordeaux. Statistics of woman's work.
436. Mame, Alfred, Tours. Statistics of woman's work.
437. Maurey-Deschamps, Tric-le-Chateau. Statistics of woman's work.
438. Maxime, Clair, Paris. Statistics of woman's work.
439. Mazurel, Francois, Tourcoing. Statistics of woman's work.
440. Menier, A., Noisiel. Statistics of woman's work.
441. Nayrolles, J., Paris. Statistics of woman's work. (Installed in French section, South wing, C-1.)
442. Patay, Paris. Statistics of woman's work.
443. Peugeot Brothers, Valentigney. Statistics of woman's work.
444. Powder Factory, Sevran-Livry. Statistics of woman's work.
445. Railway Company of Ceinture. Statistics of woman's work.
446. Railway Company of L'Est. Statistics of woman's work.
447. Railway Company of L'Etat. Statistics of woman's work.
448. Railway Company of Midi. Statistics of woman's work.

## Exhibit

No.

450. Railway Company of Nord. Statistics of woman's work.
451. Railway Company of Orleans. Statistics of woman's work.
452. Railway Company of Paris a Lyon et a la Mediterranee. Statistics of woman's work.
453. Revillon Brothers, Paris. Statistics of woman's work.
454. Ribbon Making Industries, Saint Etienne. Statistics of woman's work.
455. Say, C., Paris. Statistics of woman's work.
456. Society Generale. Statistics of woman's work.
457. Syndicate of Cloth Manufacturers, Sedan. Statistics of woman's work.
458. Syndicate of Glove Manufacturers, Grenoble. Statistics of woman's work.
459. Syndicate of Makers of Art Instruments and Appliances, Paris. Statistics of woman's work.
460. Syndicate of Stationers, Paris. Statistics of woman's work.
461. Tabourier & Co., Paris. Statistics of woman's work.
462. Teissier du Cros, Vallerangues. Statistics of woman's work.
463. Union of Women Painters and Sculptors. Awards given to women artists. Statistics.
464. Union Syndicate of Employment Bureaus, Paris. Statistics of woman's work.
465. Vacquerel, M. Eugene, Paris. Statistics of woman's work.
466. Vincent, Ponnlier & Co., Senones. Statistics of woman's work.

## GROUP 175.

467. Boussod, Valaden & Co., Paris. Drawing of George Sand. As room
468. Boyer, Paris. Photograph of Mme. Carnot. As. room
469. Braun, Clement & Co. Photographs and portraits of celebrated women. As. room
470. Dumas, M'lle. Portrait of M'lle Louisa Dumas. Rec. room
471. Mallet, Mme. Georges. Portrait of Mme. Jules Mallet. Rec. room
472. Superior of the Sisters of Saint Vincent de Paul, Paris. Portrait of Sister Rosalie. Rec. room

## GERMANY.

LOCATION—South Wing, A-F, 9-10, unless otherwise specified.

## Manufactures.

## DEPT. H.—MANUFACTURES.

## GROUP 90.

Exhibit No.	Class'n No.
1. Rousset, Miss Helene, Berlin. Painted and carved mantel piece.	570

## GROUP 91.

2. Volkert, Mrs. H., Schoeneberg. Samples of colored tiles.	578
3. Wedekind, Miss Elizabeth, Karlsruhe. Painted porcelain.	577

## GROUP 93.

5. Schultz, Miss Marie, Berlin. Etched metal trays.	585
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## GROUP 95.

6. Menzel, Miss Louise, Berlin. Antique German glass painting.	596
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## GROUP 96.

7. Luechow, Miss Thea, Hanover. Painted and carved screens; carved chair and spinning wheel.	598
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## GROUP 97.

8. Krueger, Mrs. H., Hamburg. Gold and silver filigree ornaments.	607
9. Lawatzek, Mrs. P., Berlin. Silver filigree articles.	607

## GROUP 106.

11. Ankermann, Miss Elizabeth, Berlin. Fan.	667
12. Bauer, Miss Emmy, Stuttgart. Fan with Spanish lace work.	667
13. Bausmann, Mrs., Charlotte, Durkheim. Embroideries.	665
14. Briesen, Miss Emmy von, Duesseldorf. Fan.	667

Exhibit No.	Class'n No.
15. Brown, Miss Louise, Muensterberg, Silesia. Laces.	664
16. Deppermann, Miss Henny, Berlin. Fans.	667
17. Dettmann, Miss Marie, Guestrow. Fans.	667
18. Erler, Mrs. Margarethe, Magdeburg. Fan.	667
19. Fehl, Miss Kaetchen, Munich. Silk embroidered fan.	667
20. Fernow, Miss Anna M., Berlin. Fan.	667
21. Fischer, Miss Clara L., Berlin. Fan.	667
22. Foss, Miss Emilie, Berlin. Fan.	667
23. Gerson, Mrs. Auguste, St. George. Art embroidery.	669
24. Hesse, Mrs. Marie, Karlsruhe. Fan.	667
25. Hochstedt, Miss Anna, Berlin. Fan.	667
26. Jacob, Mrs. Louise, Frau, Zweibrücken. Linen embroidery.	665
27. Kahren, Mrs. Thea, Bautzen. Embroidered fan.	667
28. Krebs, Miss Clara, Berlin. Fans.	667
29. Krehan, Miss Augusta, Weimar. Guipure cover.	664
30. Laudien, Miss Therese, Berlin. Fans.	667
31. Lent, Miss Anna, Berlin. Fan.	667
32. Lette-Verein, Berlin.	
a Lace handkerchief.	664
b Drawn and macreme work table covers.	665
c Artificial flowers.	666
d Art needlework.	668
33. Lobedan, Miss Emma, Berlin. Fans.	667
34. Meyer, Miss Sophie, Duesseldorf. Fan.	667
35. Nees von Esenbeck, Miss Elise, Breslau. Fans.	667
36. Obermueller, Miss Marie, Karlsruhe. Fan.	667
37. Peiler, Miss Marie V., Berlin. Fan.	667
38. Prehn, Miss Elise, Kiel. Fan.	667

## Manufactures, Fine Arts.

Exhibit No.	Class'n No.
39. Rettenbacher, Miss M. Frl., Karlsruhe. Samples of embroidery.	665
40. Schweizer, Miss Magdalene, Stuttgart. Fan.	667
41. Stromeyer, Miss Helene, Karlsruhe. Fan.	667
42. Stueler, Miss Marie, Berlin. Fan.	667
43. Von Heyden, Miss Alexander, Bredensfelde. Fans.	667
44. Von der Lage, Miss Julie, Berlin. Fan.	667
45. Von Wedel, Mrs. E., Berlin. Pillows and altar covers.	669
46. Von Weech, Miss Uta, Karlsruhe. Fan.	667
47. Walther, Mrs. Louise, Stuttgart. Fan.	667
48. Wedekind, Miss Elizabeth, Karlsruhe. Fan.	667
49. Weinhold & Hoppe, Schmiedeberg, Silesia. Laces, the property of the Empress Fredrick; lace fans, and manual of lace making.	664
50. Wetzels, Miss Thekla, Rudolstadt. Fire screen, gobelin on linen.	670
51. Winterberg von Bayer, Mrs., Karlsruhe. Fan.	667
52. Wittman, Miss Marie, Reutlingen. Lace fan.	667
53. Wolf, Miss Barbara, Munich. a Fans.	667
b Embroidered portiere and table cover.	669
c Gobelin tapestry.	670

## GROUP 110.

53a. Steiff, Mrs., Giengen. Felt toys. 695

## GROUP 111.

54. Andler, Miss Eugenie, Stuttgart. Pyrographic work in leather. 705
55. Gubsch, Miss Elizabeth, Berlin. Fire screen of embossed leather. 705
56. Hansing, Miss Julie, Hanover. Embossed leather stool and wall pockets. 705
57. Keller, Miss Pauline, Karlsruhe. Etching on leather. 705

## DEPT. K.—FINE ARTS.

## GROUP 189.

- Finzelberg, Miss Lilli, Berlin. Bronze groups. Rot. N. E. 822
- 57a. Bedouin Wife and Child.
- 57b. Paul and Virginia.

## GROUP 140.

- | Exhibit No. |   |            |
|-------------|---|------------|
|             | Baer-Mathes, Mrs. Carola, Munich.               |            |
| 58.         | Evening.  | Rot. N. E. |
|             | Bauk, Miss Jeanna, Munich.                      |            |
| 59.         | Summer Evening.                                 | Rot. N. E. |
|             | Begas-Parmentier, Mrs., Berlin.                 |            |
| 60.         | From Venice.                                    | Rot. N. E. |
|             | Bieber-Boehm, Mrs. Hanna, Berlin.               |            |
| 61.         | Ahasver, the Wandering Jew.                     |            |
|             |   | Rot. N. E. |
|             | Bonte, Miss Paula, Berlin.                      |            |
| 62.         | Chamonix, Switzerland.                          | Rot. N. E. |
|             | Cramer, Miss Helene, Hamburg.                   |            |
| 63.         | Roses.  | Rot. N. E. |
|             | Cramer, Miss Molly, Hamburg.                    |            |
| 64.         | Fruit.  | Rot. N. E. |
|             | Fischer, Miss Clara Elizabeth, Berlin.          |            |
| 65.         | Morning Devotions.                              | Rot. N. E. |
|             | Friedrich Karl, Princess of Prussia.            |            |
| 66.         | Still Life.                                     | Rot. N. E. |
|             | Fritze, Miss Margarethe, Berlin.                |            |
| 67.         | Bavarian Peasant.                               | Rot. N. E. |
|             | Hedinger, Mrs. Eliese, Berlin.                  |            |
| 68.         | Still Life.                                     | Rot. N. E. |
|             | Hitz, Miss Dora, Berlin.                        |            |
| 69.         | Mother and Child.                               | Rot. N. E. |
|             | Hormuth-Kallmorgen, Mrs. Margarethe, Karlsruhe. |            |
| 70.         | Roses in a vase.                                | Rot. N. E. |
|             | garethe, Karlsruhe.                             |            |
| 71.         | Christ Pardoning the Sinner.                    |            |
|             |   | Rot. N. E. |
|             | Kirsch, Miss Johanna, Munich.                   |            |
| 72.         | Madonna's Feast Day.                            | Rot. N. E. |
|             | Ley, Miss Sophie, Karlsruhe.                    |            |
| 73.         | Peonies and Pansies.                            | Rot. N. E. |
|             | Lehnert, Miss Hildegard, Berlin.                |            |
| 74.         | Flowers.  | Rot. N. E. |
|             | Lepsius-Graef, Mrs. Sabine, Munich.             |            |
| 75.         | Portrait of Frau von Helmholtz.                 |            |
|             | Lischke, Miss Emmy, Munich.                     |            |
| 76.         | Field Flowers.                                  | Rot. N. E. |
|             | Lobedan, Miss Clara, Berlin.                    |            |
| 77.         | Italian Grapes.                                 | Rot. N. E. |
|             | Loewe, Miss Margarethe, Duesseldorf.            |            |
| 78.         | At Capri.                                       | Rot. N. E. |
|             | Ludwig, Miss Auguste, Berlin.                   |            |
| 79.         | The Cat's Friend.                               | Rot. N. E. |
|             | Luebbes, Miss Marie, Munich.                    |            |
| 80.         | Reverie.  | Rot. N. E. |
|             | Monje, Paula, Duesseldorf.                      |            |
| 81.         | Sunday Morning in Holland.                      |            |
|             |   | Rot. N. E. |
|             | Parlaghy, Mrs. Vilma, Berlin.                   |            |
| 82.         | Portrait of the Artist.                         | Rot. N. E. |
|             | Peters, Miss Anna, Stuttgart.                   |            |
| 83.         | Flowers.  | Rot. N. E. |

## Fine Arts, Liberal Arts.

## Exhibit

- No. **Petzel, Miss Rosa, Berlin.**
84. Copy of a portrait of Angelica Kauffmann by herself.  
**Poppe-Luederitz, Mrs. Elisabeth, Berlin.**
85. Mars and Venus. Rot. N. E.  
**Roederstein, Miss Ottilie W., Frankfurt-on-the-Main.**
86. The Month of Mary. Rot. N. E.  
**Schepp, Miss Auguste, Munich.**
87. The Artist. Rot. N. E.  
**Schroeder, Mrs. Liska, Berlin.**
88. German Landscape. Rot. N. E.  
**Staats, Miss Gertrud, Breslau.**
89. Poppy Field. Rot. N. E.  
**Stamer, Miss Agnes, Berlin.**
90. An Idyl in the Garret. Rot. N. E.  
**Stocks, Miss Minna, Munich.**
91. Across Africa. Rot. N. E.  
**Strempel, Miss Elizabeth, Berlin.**
92. Portrait of Marie von Olfers.  
Rot. N. E.  
**Vigelius, Miss Victorine, Karlsruhe.**
93. Head of a Woman. Rot. N. E.  
**Von Engelbrechten, Miss Alma, Hildesheim.**
94. St. Bernward's Festival in Hildesheim.  
Rot. N. E.  
**Von Kamecke, Miss Susanne, Erfurt.**
95. In the Noon-day Heat. Rot. N. E.  
**Von Keudel, Miss Marie, Berlin.**
96. Alp Scene, Switzerland. Rot. N. E.  
**Von Natusius, Miss Susanne, Berlin.**
97. A Pupil of Luther. Rot. N. E.  
**Von Preuschen, Mrs. Hermine, Hockendorf.**
98. Titian's Pupil and Irene von Spilimberg in the Gondola of Death.  
Rot. N. E.  
**Von Rappard, Miss Clara, Munich.**
99. The Jungfrau in Morning Mist.  
Rot. N. E.  
**Zack, Miss Camilla, Stuttgart.**
100. The Trespasser. Rot. N. E.

## GROUP 141.

- Block - Niendorff, Miss Mathilde, Berlin.**
101. From a By-gone Time. Rot. N. E.  
**Klein, Miss Catherine, Berlin.**
102. La France Roses. Rot. N. E.  
**Schrader, Miss Bertha, Dresden.**
103. View of Dresden. Rot. N. E.  
**Sietze, Miss Helene, Berlin.**
104. Evening. Rot. N. E.  
**Von Bunsen, Miss Marie, Berlin.**
105. The Old Manor-house, Pacham, Suffolk. Rot. N. E.

## GROUP 142.

Exhibit  
No.Class  
No.

106. Gerstner, Miss Louise, Berlin.  
Painted screen.
107. Luthmer, Miss Emmy, Berlin. Enamel work on copper.
108. Von Engelbrechten, Miss Alma, Hildesheim. Painting on porcelain.
109. Von Langen, Miss Magdalene, Berlin. Painted decorative screen.

## GROUP 144.

110. Menshausen, Miss Frieda, Cassel.  
Pastel—Water Nymph. Rot. N. E.
111. Muchlthaler, Miss Helene von, Munich. Pastel—Shepherdess in the Morning.  
Rot. N. E.
112. Soeborg-Merz, Mrs. Josephine, Berlin. Pastel picture—"Hanka."  
Rot. N. E.

## GROUP 147.

113. Tiburtius, Mrs., Berlin. Photographs of hospitals in Germany, statistics of nursing, and 24 dolls in nurse's costumes. 832
114. Von Koenig, Miss, Warthausen.  
Painted cradle. 824

## DEPT. L.—LIBERAL ARTS.

## GROUP 149.

115. Berlin Frobel Society, Berlin. Kindergarten school work. 841
116. Dresden Women's Union, Dresden. School exercises. 850
117. Gnauk-Kuhne, Mrs., Berlin. Statistical chart. 850
118. Heyl, Mrs., Charlottenburg. Public school cooking range, table and cooking utensils. 843
119. Hochfelden, Miss Brigitta, Berlin. Manual for crochet work. 843
120. Hoffman, Mrs., Berlin. Model of a Kindergarten school. 841
121. Industrial School, Reutlingen. Wall charts with samples of school work and methods of instruction. 841
122. Jaeger, Miss Eliese, Ludovigsburg. Designs for porcelain painting.  
Rot. N. E. 842
123. Kindergarten Society, Breslau. Model of a Kindergarten house and charts of work. 841
124. Lette-Verein, Berlin. Designs for embroidery and underclothing, showing cutting and machine sewing. 843

## Liberal Arts, Ethnology.

Exhibit No.	Class'n No.
125. Lipperheide, Mrs. Frieda, Berlin. Manuals for linen and artistic embroidery and weaving.	843
126. Oswald, Miss M., Berlin. Designs for carpets.	852
127. People's School in Chemitz, Saxony. Drawings.	850
128. Public Schools of Breslau. School work.	850
129. Public Schools of Munich. School work.	850
130. School for General Instruction, Reydt. Embroidered pillow and table scarf.	843
131. Sophienstift, Weimer. Photographs, school books and samples of work of the pupils of the high school for girls in Weimer.	851
132. Women's Educational Society, Breslau. Methods of instruction.	850

## GROUP 150.

133. Lette-Verien, Berlin. Lithographic work.	854
134. Zur Lippe, Dowager Princess, Detmold. Album with home mottoes.	854

## GROUP 151.

Exhibit No.	Class'n No.
135. Lette-Verien, Berlin. Photographs.	871

## GROUP 157.

136. Edelweiss Christian Woman's Ass'n, Berlin. Pamphlets and statistics of the charitable work of the association.	925
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## • GROUP 158.

137. Morgenstern, Miss Olga, Berlin. Album of portraits of German actresses.	938
138. Morsch, Miss A., Berlin. Album of portraits of German singers.	937

## DEPT. M.—ETHNOLOGY.

## GROUP 172.

139. Morgenstern, Lina, Berlin. Literature about women's work in political and domestic economy.	
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## GREAT BRITAIN.

LOCATION—North Wing, A-F, 1, unless otherwise specified.

## Education.

## EDUCATION.

*President:* Mrs. Fawcett.

Misses Buss, Julia Cock, Davenport, Hill, Gurney, Todd, Kingsley, F. Stevenson and L. Stevenson.

## ENGLAND.

## Colleges.

Exhibit No.	
1.	Bedford College, London. Views of college and students acting.
2.	Grifton College, Cambridge. Architect's drawing and views; Anglo-Saxon pottery found in the garden at Grifton.

Exhibit  
No.

3.	Lady Margaret Hall, Oxford. Group of students.
4.	Newnham College, Cambridge. Views of buildings, students' rooms, students, and staff.
5.	Royal Holloway College, Egham, Surrey. Views of the buildings.
6.	Somerville Hall, Oxford. Views of buildings, rooms and students.
7.	University College, Nottingham.
8.	Westfield College, London.

## Medical Education.

9.	Clapham Maternity Hospital. Photograph of ward.
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## Education.

Exhibit  
No.

10. **London School of Medicine for Women.** Groups of students.
  11. **New Hospital for Women.** Drawings of college; photographs of medical staff.
  12. **Royal Free Hospital.** Photographs of building.
- Schools.**
13. **Ladies' College, Cheltenham.** Photographs; college magazines.
  14. **North London Collegiate School for Girls.** Views of buildings, magazines, reports, etc.
  15. **Princess Helena College, Ealing, London.** Views of buildings and students.

**Girls' Public Day School Company, Ltd.**

16. **Blackheath High School.** Photographs, specimens of work, etc.
17. **Harrow Music School.** Examination papers and publications.
18. **Sheffield High School.** Drawings, specimens of work, school magazines, etc.
19. **York High School.** Photographs of pupils acting, drawings and magazines.

**Inventions Bearing on Education.**

20. **Mrs. Ayrtton's line-divider; Miss A. Gregory's geodoscope; Mrs. Mitford's puzzle alphabet; Miss Kerr's skeleton celestial globe; Miss Huddleston's "Theoria Harmonica;" Miss Linscott's invention for teaching notation; Miss A. Osborne Moore's philograph; Miss Constance Barnard's kindergarten loom; Miss Constance Barnard's script letters; Miss Lambert's paragon needlework apparatus; Mrs. Jessie Farwell's geographical cards; Miss Croad's arithmetron.**

**Portraits.**

21. **Tripes Students, Newnham College, Cambridge;** graduates of London University; pupils of North London Collegiate School; first woman M. A. of London University and her sister; first nine women graduates of the Royal University, Ireland; graduates of London University; North London Collegiate Schools for Girls; Ladies' College, Cheltenham, etc.

**IRELAND.****Official Educational Systems for Both Sexes.**

22. **Report and rules of Board of National Education; report of the Board of Inter-**

Exhibit  
No.

mediate Education; report of the Royal University of Ireland.

**Colleges Founded by Men, to Which Women Have Been from Time to Time Admitted.**

23. **Queen's College, Belfast.** Royal College of Surgeons, Dublin; Royal College of Physicians; Royal College of Science, Dublin; Magee College, Londonderry; Methodist College, and the McArthur Hall for Women, Belfast.

**Colleges Founded by Women, for Women.**

24. **Alexandra College, Dublin.** Portrait of founder; view of college; calendars; historical sketch.
25. **Victoria College, Belfast.** Portrait of founder; photograph of college, students and teachers; magazine; prospectus, etc.

**Schools Founded and Carried On by Women, Giving Advanced Education.**

26. **Ladies' Collegiate School, Londonderry.** Strand House school, Londonderry; Alexandra School, Carrickfergus, photographic group of pupils and teachers and reports of Alexandra School, Carrickfergus, and sketch of the Alexandra School, Dublin, in connection with Alexandra College.
27. **School reports from high school for girls, Cork; Wellington Park, Belfast; Seatown Place, Dundalk; Portadown; Rutland Place, Dublin; Moravian Schools, Gracehill; Cookstown; Coleraine; Dungannon; Russell street, Armagh; Princess Gardens, Belfast; Oriel College, University Square; Osborne Park; Sullivan Schools, Holywood; Intermediate School, Newry, and Warrenpoint.**

**Special Schools.**

28. **Rochelle Schools, Cork.** Photograph of school, historical sketch, etc.

**Schools Belonging to the Society of Friends.**

29. **Girls' Advanced School, Mountmellick.** Agricultural School, Brookfield; Brookfield School; Lisburn School; Clergy Daughters' School, Dublin; Female Masonic School, Dublin, and Training College, Dublin.

**Miscellaneous.**

30. **Report of the Irish Schoolmistress' Association for 1890; memorial of the**

## Education, Fine Arts, Handicrafts.

Exhibit  
No.

Council of Trinity College, Dublin, and comparative summary of Intermediate Examinations of 1892.

## SCOTLAND.

## Edinburgh School Board.

31. Photographs of schools; time tables; Edinburg Royal High School, founded early in the twelfth century; Sciennes Public School; London Street Public School, and Torphelien Street Public School.

## Edinburgh Medical Education.

32. **Edinburgh School of Medicine for Women.** Photographs of buildings and students; reports, etc.  
33. **Scottish Associations for the Medical Education of Women.** Photographs and reports.

## Glasgow School Board.

34. Complete plans of school; photographs; prospectuses; reports; maps; drawings illustrative of standard work.

## Glasgow Medical Education.

35. **Queen Margaret's College.** Photographs and calendar.

## FINE ARTS.

## Pictures Sent by Her Majesty and the Royal Family.

Six original sketches from nature, contained in one frame, by H. M. the Queen.

37. View from the Queen's room at Balmoral, in snow, November 12, 1880. N. E. gal.  
38. View from another window, also at Balmoral, November 18, 1878. N. E. gal.  
39. Pug belonging to Prince Henry of Battenberg, drawn by the Queen in the railway, June 24, 1886. N. E. gal.  
40. "Spot," the Queen's fox terrier, January 25, 1891. N. E. gal.  
41. View at Aix-les-Bains, from Tresserve. N. E. gal.  
42. View from the Queen's sitting-room at Balmoral in autumn, 1878. N. E. gal.  
43. Copy in water-colors from an oil painting, size of life, of H. M. the Queen's Mushi and Indian secretary, Abd-ul Karim, 1892, by H. M. the Queen. N. E. gal.

Exhibit  
No.

44. Two pictures in oil, by H. R. H. Princess Christian of Schleswig-Holstein. N. E. gal.  
45. Study from nature in water-colors, by H. R. H. Princess Louise (Marchioness of Lorne). N. E. gal.  
46. A picture by H. R. H. Princess Beatrice (Princess Henry of Battenberg). N. E. gal.  
47. "Old Sussex College," Mrs. Allingham. N. E. gal.  
48. "To the Front" (French cavalry leaving a Breton town on declaration of war), Lady Butler. Rot., N. W.  
48a. "Leafless Winter," Miss Mildred A. Butler. Rot., N. W.  
49. "Hastings Boats," Madame Bodichon (The Founder of Girtton). Rot., N. W.  
49a. "La Festa del Morte," Mrs. E. Crawford, London. Rot., N. W.  
50. "Portrait of a Baby," Miss Alice Grant. Rot., N. W.  
50a. "A Sunbeam in the Shade," Miss B. Jenkin. Rot., N. W.  
51. "An English Maiden," Mrs. Jopling-Rowe. Rot., N. W.  
51a. "Il Castello di Menaggio," Mrs. Marable. Rot., N. W.  
52. "Pallazcio Rezzonice, Regatta Day" (Browning's palace, Venice), Miss Clara Montalba. Rot., N. W.  
53. "A Market Woman, Dortrecht," Miss Hilda Montalba. Rot., N. W.  
54. "On the Riviera," Miss Ellen Montalba. Rot., N. W.  
54a. "An Uninvited Guest," Miss Fannie Moody. Rot., N. W.  
54b. "Santa Maria della Saluta," Miss E. M. Osborne. Rot., N. W.  
55. "Dolly's Ball Dress," Mrs. Perugini. Rot., N. W.  
56. "Eurydice Sinking back to Hades," Miss Henrietta Rae. Rot., N. W.  
56a. "Minerals," Miss C. M. Wood. Rot., N. W.  
57. "The End of the Hop-harvest, Kent," Miss E. Stewart Wood. Rot., N. W.

## HANDICRAFTS.

## President: Lady Roberts.

- Mrs. Jack Johnson, Miss Helen Blackburn, Miss Webster and Miss C. Holden.  
58. **H. M. the Queen.** Two napkins made from flax spun by Her Majesty. A hat painted by Her Majesty and given to her granddaughter, Princess Victoria of Schleswig-Holstein.

## Handicrafts.

Exhibit  
No.

59. **H. R. H. The Princess of Wales.** Corner chair of carved oak and cut and embossed cowhide.
60. **H. R. H. Princess Helena (Princess Christain of Schleswig-Holstein).** Embroidery on linen; knitted jersey.
61. **H. R. H. Princess Victoria of Wales.** Music stool of carved oak and cut and embossed cowhide.
62. **H. R. H. Princess Maude of Wales.** Stool of carved oak in cut and embossed cowhide.
- 62a. **Bust of H. R. H. Princess Christian** by Mrs. Guild.

## Bookbinding and Covering.

63. **Bayly, Miss Helen.** Shakespeare bound in cut leather.
64. **Birkenwith, Miss, London.** Books bound and tooled.
65. **Brownlow, Mrs. Harry, Cambridge.** Embroidered book covers.
66. **Firth, Miss Susanna.** Books bound in cut and tooled leather.
67. **Nichols, Miss.** Bindings in various leathers.
68. **Noedel, Miss Charlotte, Superintendent of H. R. R. the Princess of Wales' Technical School, Sandringham.** Blotter of oak, with panel of cut embossed enameled cowhide over silver.
69. **Prideaux, Miss S. T., London.** Embroidered velvet and leather bindings.
70. **Royal School of Art Needle Work, London.** Books bound in vellum, illuminated.

## Illustrations for Books.

71. **Bradley, Miss Gertrude A., Birmingham.** Illustrations for fairy tales.
72. **Canton, Miss S. R., Bloomsbury.** Black and white illustrations; magazine cover.
73. **Dicksee, Miss Margaret, Bloomsbury.** Black and white illustrations.
74. **Greenaway, Miss Kate, London.** Four drawings for illustration to book of "Children's Games."
75. **Pocock, Miss Julia, London.** "Enoch Arden," illustrated.
76. **Whipple, Miss Amy, Devonport.** Water-color illustrations of Hood's poem, "Flowers."
77. **Wyatt, Miss K. M., Bloomsbury.** Magazine cover.

## Cameos.

Exhibit  
No.

78. **Astbury, Mrs. W. Spencer, Tunbridge Wells.** Female head; portrait of Cardinal Newman.
79. **Pocock, Miss Julia, London.** Cameo shell; Queen's jubilee coinage.

## Carvings in Wood.

80. **Barr, Miss Lizzie, East Griestad.** Sideboard, style of reign of James I. E. vestibule
81. **Dobbongs, Miss Lucie A., Leeds.** Table of Swedish sloyd carving.
82. **Eliot, Mrs. C. T., Coventry.** Old English eight-day clock.
83. **Elont, Miss, Belford.** Walnut dresser, seventeenth century.
84. **Heath, Miss Maud A., Tunbridge.** Frames with painting.
85. **Packer, Miss Elizabeth, London.** Oak columns.
86. **Reeks, Miss Maria E., London.** Mirror frame, 16th century.
87. **Royal Normal College & Academy for the Blind, London.** Models in woodwork by the Anglo-American sloyd carvers.
88. **Tankerville, Countess of, Belford.**  
a Buffet. E. vestibule  
b Dresser after the Flemish. S. E. gal.
89. **Wilkinson, Miss Gladys.** Carved and gilt frame.
90. **Williams, Miss Constance, London.** Oak mirror, 16th century.

## In Ivory.

91. **Tankerville, Countess of, Belford.** Fan handle, plaques for note or card-case. N. W. Rot., case 4

## Chromo Lithography.

93. **Chromo-Lithographic Studio, London.** Birds, heads, and figure subjects.

## Designs.

94. **Aumonier, Miss Louise, Ballinger.** For wall papers.
95. **Betts, Miss Lily M., London.** For wall paper, frieze or embroidery.
96. **Bradley, Miss Gertrude, Birmingham.** Colored, of "Fox and Geese."
97. **France, Miss Georgia Cave, Tysley.** For wall paper, showing repeats.
98. **Gemmell, Miss Mary, London.** For wall papers.
99. **Murray, Miss E. Emily, London.** For china tea service.
100. **Murray, Miss Nina, Scarborough.** Designs.

## Handicrafts.

Exhibit  
No.

101. Parker, Miss Violet M., Edgbaston. For wall paper.  
102. Prochantza, Baroness Pauline, Kilkeny. For frieze.

## Etchings and Fashion Plates.

103. Martyn, Miss E. K., London. Illustrations to Christabel.  
104. Parker, Miss Violet M., Edgbaston. Finger plates mounted.  
105. Piper, Miss Elizabeth, London. "The Chelsea homes of Carlyle, Rosetti, Turner and George Eliot;" "Westminster Abbey;" "The Spinning Wheel."  
106. Young, Miss Lilian, London. Fashion drawings in wash and line.  
107. Young, Miss Maggie, London. Fashion drawings in wash.

## Fan Painting.

108. Arding, Miss Helen, London. Gauze fan leaves.  
109. Canton, Miss S. R., Bloomsbury. Fan.  
110. Granville, Miss, Biarritz, France. Gauze fan leaves.  
111. Horton, Miss G. E., Bloomsbury. Fan.  
112. Jay, Miss Isabella, London. Fans copied from Turner's "Caligula Castle and Bridge," and "Approach to Venice."  
113. Langford, Miss Alice, Bloomsbury. Watteau fan.  
114. Manly, Miss Alice. Fan designed and painted by command of the Queen and presented by her to H. R. H. Princess Beatrice on her marriage.  
115. O'Connor, Miss Evelyn, Southsea. Gauze fan.  
116. Reid, Miss A. M., London. Fan in Pompeian style.  
117. Vasey, Miss Clara, London. Gauze leaf, painted Cupids; fan, "All nations visiting the World's Fair."

## Fly Tying.

118. Brocas, Mrs. Letitia, London. Artificial flies.

## Gesso Duro.

119. Barker, Miss May, London. Decoration for piano front.  
120. Barker, Miss May. Panels for pilasters.  
121. Wylie, Mrs. C., London. "Twilight;" "The God of Love."

## Glass, Stain and Enameled.

Exhibit  
No.

122. Casella, Miss Ella, Kensington. Enameled decanter and glasses.  
123. Casella, Miss Nelia, Kensington. Enameled glass jar.  
124. Newill, Miss Mary, Edgbaston. Cartoons for stained glass windows.

## Goldsmiths' Work.

125. Brock-Hollinshead, Miss, Seaton. Tiaras, necklaces, hairpins and pins of filigree.  
126. Newman, Mrs., London. Necklaces, brooches, bracelets of gold, with enamel and precious stones.  
127. Chart of Women's Progress in the British Isles, from 1857 to 1892 sent by the National Society for Women's Suffrage, London.

## Illuminations.

128. Channer, Miss C. A., London. Triptych of MS., illuminated.  
129. Lynch, Miss Agnes, London. Illuminations on vellum.

## Handspun Linen.

130. Langdale Linen Industry, Langdale. Specimens of handspun and handwoven linen.

## Leather Work.

131. Aluta, London. Embossed leather card and letter cases.  
132. Bartlett, Miss, Liverpool. Blotting book and writing case in embossed leather.  
133. Bassett, Miss M. A., Leighton Buzzard. Leather work.  
134. Bayly, Miss Helen, Florence, Italy. Blotter, leather wallet and card cases.  
135. Bowley, Mrs. Richard, London. Blotter and ladies' card-case in leather work.  
136. Christie, Miss M., London. Embossed leather blotting book.  
137. Firth, Miss Susannah, Kirby Lonsdale. Blotting book in embossed leather.  
138. McClure, Mrs. Edmund, London. Ancient Cromwellian chair re-covered.  
139. Ottman, Miss, Stonehaven, N. B. Game book with coat-of-arms.  
140. Smith, Miss Sophia, Kirby Lonsdale. Screen panel.  
141. Wetton, Miss Edith, London. Chair covered.  
142. Wheatley, Dorothy Helena, London. Hall arm chair of embossed leather.

## Handicrafts.

## Mediums for Artists.

Exhibit  
No.

143. Turck, Miss E., London. Specimens of work done with Florentine tapestry and other mediums; Cheval screen with panels after an old tapestry.

## Marqueterie.

144. Malet, Miss Mabel W., London. Writing set, boxes and photograph frames. N. W. Rot., case 4.  
145. Working Ladies' Guild, London. Photograph frames, table, writing-desk, screen, etc.

## Modeling.

146. Bradley, Miss Gertrude M., Birmingham. Panel illustrating "The Shoemaker and the Elves."  
147. Brown, Miss Kate L., Birmingham. Designs for panels.  
148. Canton, Miss S. R. Wax figure, "Fairy Godmother."  
149. Casella, Misses Ella & Nelia, London. Colored wax bas-reliefs.  
150. France, Miss Georgie Cave, Tysley. Panel and models for repousse silver work.  
151. Giles, Miss Margaret, London. Design for plaster frieze "Floreat Flora."  
152. Quesne, Miss, Bloomsbury. Dancing figures.

## Mosaics.

153. Hodge, Miss Alma, London. Mosaics.

## Miniatures.

154. Grosvenor, Hon. Mrs. Norman, London. Case of miniatures.  
155. Hamley, Miss Barbara M. Case of miniatures.  
156. Harbutt, Mrs. Cambridge, Bath. Case of miniatures.

## Painting on China.

157. Beane, Miss Elizabeth, Camberwell. Plaque, Royal arms of England.  
158. Butterson, Miss Mary, London. Plaque (flowers).  
159. Goodwin, Miss Ada E., Derby. Plaque of Roman designs.  
160. Harbutt, Mrs. Cambridge, Bath. Paintings on china.  
161. Harrison, Miss Emily. A Florentine poem.  
162. Lewis, Miss Florence, London. Desert service (Scotch scenes and flowers).

Exhibit  
No.

163. Sansom, Miss Nellie, London. "Le Reveil;" a portrait; "Margaret."  
164. Thatcher, Miss Euphemia, London. Panel (flowers).  
165. Williamson, Mrs., London. Plaque ("Tears").

## On Panels and Screens.

166. Elont, Miss, Belford. Screen, old Watteau pattern.  
167. Spiers, Miss Charlotte, London. Panel painted tulips.  
168. Tankerville, Countess of, Belford. Screen, old Watteau pattern.  
169. Woolhouse, Miss Margaret, London. Screen with painted panels.

## Patented Inventions.

170. Barron, Miss M. A., East Moulsey. Collapsible coal scuttle; combined dress stand and fire-escape.  
171. Brown, Miss Mary, London. Portable washing copper.  
172. Calverley, Mrs., Bewicke, London. Music folio and stand.  
173. Claxton, Mrs. M. A., New Brighton. Combined table and book rack.  
174. Dale, Mrs. M. A., Richmond. Folding mail-cart.  
175. Garwood, Mrs. Invention to facilitate pouring from bottles.  
176. Gladstone, Mrs. M. C., Bury St Edmunds. Combined traveling trunk and wardrobe.  
177. Grimes, Mrs. E., North Walsham. Protectors for fingers when sewing.  
178. Hungerford, Miss M. S., Clonsilla, Ireland. Boots and gaiters, showing new method of lacing.  
179. Impsey-Lovibond, Miss M. A., Aylesleigh. Combined sealing wax holder and seal.  
180. Jones, Mrs. S. E., Bangor, Wales. Hygienic egg boiler.  
181. Kesteven, Mrs., Hampton Wick. Improved carving fork.  
182. Mackie, Mrs., London. Clothes washer.  
183. Malcolmson, Mrs. C. A., East Barn. Expandable umbrella holder.  
184. McCleverty, Mrs., Newnham-on-Severn. Combination skirt stand and table.  
185. Parnell, Mrs., Barnston, Wallington. Drawings of inventions for extracting from base metal.  
186. Peckover, Miss, London. Sink basket.  
187. Phillips, Mrs. M. D., London. Trumpet.

## Handicrafts, Lace.

## Exhibit

No.  
188. Seaton, Miss R., Sunbury-on-Thames. Cleats for holding ends of threads.

189. Stephenson, Miss R., London. Knee music stand.

190. Symonds, Mrs. S., Guernsey, I. M. Adjustable millinery stand.

191. Tenison, Mrs. F., London. Appliance for lifting hot plates.

192. Turk, Miss D. E., London. Specimen of painting on textiles.

## Plan Tracing.

193. Long, Miss E. T., London. Specimens of plan tracing.

## Photography.

194. Browne, Miss Frances, London. Portraits in photographic, sepia and Bartolozzi tint, and black and white.

195. Shand, Miss Alice M., London. "Rest."

## Printing.

196. Women's Printing Society, Ltd., London. Specimens of type setting.

## Pyrography or Poker Work.

197. Hope-Shorrock, Mrs. Samuel, Darwen. Three panels; photo frame, original design.

198. Working Ladies' Guild, London. Bureau, grotesque design; chest; folding table.

## Repousse Work.

199. Bewicke, Mrs. Calverley, London. Worked silver book cover; screen in pierced brass and copper with poker worked back.

200. Bray, Miss Laura, Shere. Plaque, "Lords and Ladies."

201. Brown, Miss Charlotte, Tunbridge Wells. Pair of bellows, brush and tray.

202. Evans, Miss Ada M., Witley. Brass tray, alms dish.

203. Mills, Miss Clara, Birmingham. Pair of bellows.

204. Rowley, Mrs., London. Silver sconces.

205. Walker, Miss Lillian, Birmingham. Bookcover and salver.

## Sculpture in Marble, Terra Cotta, etc.

206. Bonham, Miss Agnes, South Norwood Hill. Photograph of reredos, in St. John's church, Norwood, carved by herself.

## Exhibit

No.  
207. Ferguson, Miss, London. Marble bust, "Dorthea;" stone panel; marble column.

208. Moore, Miss Esther M., London. Bust in terra-cotta.

## Straw-Plaiting and Basket Work.

209. Mansfield Girls' Institute, London. Baskets.

210. Wood, Miss G., Aldbury. Baskets.

## Tiles.

211. Babb, Miss E. Charlotte, London. Enamel tile painting; angel.

212. Lewis, Miss E., London. Underglaze tile, frame.

## Technical Education.

213. Technical Education for Women, London. Photographs of classes, certificates, cooking recipes, books, plans, manual and system of technical education in cookery, household sewing, home dress cutting and laundry work.

## Upholstery.

214. Garrett, Miss Rhoda M., London. Hand-made carpet. N. gal.

215. Malet, Miss Ethel, London. Coffershaped box.

216. Royal School of Art Needlework, London. Footstools; old Cromwellian chair; box, casket, etc.

## Vernis-Martin.

217. Watson, Mrs. Douglas, London. Glove-box and handkerchief-box.

## Wood-Engraving.

218. Blackburn, Miss Helen, London. Engraved wood block.

219. Society for Promoting the Employment of Women, London. Engravings of women.

## LACE.

*President:* Duchess of Abercorn.

Lady Clinton, Lady Ernestine Edgecumbe, Lady Susan Fortescue, Lady Iddlesleigh, Lady Kenmare, Lady Kenaway, Lady Susan Morley, Hon. Mrs. Marker, Hon. Mrs. Peek, Mrs. Bruce Clarke, Mrs. Alfred Morrison, Mrs. Reeve and Miss Constance Hargrove.

## English Hand-Made.

## Exhibit

- No. 220. Bedfordshire. Hand-made pillow lace and Bedford lace.
221. Buckinghamshire. Black silk fan cover and edging, narrow baby lace, white edging, white insertion, handkerchief border and Maltese and old Buckinghamshire lace collected by Lady Buckinghamshire's Committee.
222. Devonshire. Honiton point fichu, handkerchief and fans with net filling, collected by Lady Iddlesleigh's Committee.
223. Handkerchiefs and lappets in Honiton guipure, trimming and flounces in Honiton point (Miss Radford, Sidmouth).
224. Specimens of Honiton guipure of various periods, to give idea of the alterations in style and workmanship in the last 100 years. (Mrs. Fowler Honiton.)
225. Specimens sent by Mrs. Herbert.
226. Specimens of reproductions of Italian laces from Beer (Lady Trevelyan).
227. Isle of Wight. Harriet Eldridge, Niton. Lace shawls, etc.
228. Northamptonshire. Laces (L. Stanton, Maidford).
- Irish.
229. Lindsay, B. Applique, Royal Irish guipure, tambour, tatting, hard and soft crochet, Irish point and antique point laces.

## LITERATURE.

President: Mrs. Gordon.  
Mrs. Humphrey Ward, M. s. Clifford, Mrs. Green, Miss Kingsley and Miss Gayford.  
Publications by the English Royal Family.  
230. Old and rare books by Dame Juliana Berners, Dame Gertrude More, Lady Packington, Mary Astell, Mrs. Latter, Mrs. Pilkington, Lady Morgan and O. Moreland.

231. Novels by 70 women authors.  
232. Poetry by 34 women authors.  
233. Juvenile books by 33 women authors.  
234. Historical, biographical and miscellaneous works by 122 women authors.  
235. Scientific and miscellaneous works by 27 women authors.  
236. Pamphlets by 3 women authors.  
237. Travels by 23 women authors.  
238. Music by 7 women authors.

## NEEDLE WORK.

Presidents: Lady Henry Grosvenor and Lady Amherst of Hackney.  
239. Allote, Miss L., Alford. Plush border, worked flowers.

## Exhibit

- No. 240. Allsop, A. G., Manchester. Bedspread, art embroidery.
241. Anderson, Mary E., Grantham. D'oyleys, netting on linen.
242. Batt, Miss A., Witney. Embroidered baby shoes.
243. Bavin & Ormiston, Reading. Stuffed cushion, stole.
244. Benn, Mrs., Windermere. Cushion cover.
245. Birkett, Miss, Windermere. Table center.
246. Birkett, Miss Jean, Windermere. Chair back.
247. Bolton, Mrs., Funchas, Isle of Madeira. Oriental table cloth.
248. Boxwell, Miss, London. Handkerchief sachet, crepe work.
249. Boxwell, Miss E., London. Cushion cover, copied from dress worn by Sir Walter Scott. N. W. Rot. case.
250. Brett-Jeffares, Miss L. W., Wexford, Ireland. Mountmellick quilt.
251. Brown, Miss C. M., Malvern. Quilt cover.
252. Buckle, Miss M., London. Quilt cover, piano front.
253. Childs, Miss Amy, Wisbeck. Robe.
254. Clarke, Miss M. A., Manchester. Embroidered mantel border.
255. Cope, Mrs., London. Copy of book cover, 14th century. N. W. Rot. case.
256. Courtenay, Mrs. S. C. London. Table center.
257. Crosthwait, Mrs. E., Funchas, Isle of Madeira. Cushion, panel.
258. Davidson, Miss H. A., Cambridge. Isle of Man. Copy of old quilt cover.
259. Digby, Miss, London. Embroidered Cecilia.
260. Dillon, Mrs., Frome. Art embroidery. N. W. Rot. case.
261. Dixon, Miss J., Harrogate. Table center.
262. Dixon, Miss J. M., Harrogate. Table center.
263. Elles, Miss M. C., Wexford. Art embroidery.
264. Erskine, Mrs. Z., Wexford. Art design.
265. Fennell, Miss, London. Art embroidery and needle work.
266. Flegg, Miss C. M., London. Nightdress; netted d'oyleys.

Exhibit  
No.

267. Froud, Miss M., Bournemouth. Silk  
pulpit hanging. N. W. Rot., case 4  
268. Garde, Miss H. M., Cheyne, Ireland.  
Feather sprays.  
269. Gardner, Miss E. M., Ilfracombe.  
British moths; worked silks.  
270. Garnett, Miss A., Windermere. Cush-  
ion over; tea cloth.  
271. Garnett, Miss W., Windermere.  
Mantel cloth.  
272. Goslin, Miss, London. Tablecloth,  
crochet border.  
273. Gowan, Miss, London. Cushion,  
photo-screen and mirror frame designed  
by H. R. H. Princess Louise; tablecloth;  
linen, etc. N. W. Rot., case 4  
274. Green, Miss Annie, Dewsbury.  
Eis wool shawl.  
275. Hainsworth, Miss C. D., Harrogate.  
Nightdress, sachet and brush bag.  
276. Halsbam, Mrs. L., Leeds. Shepherd  
and sheep worked by Lady C. T. Clive,  
governess to H. M. the Queen.  
277. Harris, Miss R., Ealing. Afternoon  
tea cloth.  
278. Hayden, Mrs. W., Whitland, South  
Wales. Embroidered quilt; nightdress  
sleeves.  
279. Henry, Miss J., Portobello. High-  
land stockings.  
280. Herbert, Miss, Wadhurst. Knitted  
cushion.  
281. Hinton, Miss L., The Til, Maderia.  
Linen sofa back.  
282. Holiday, Mrs. C., London. Embroid-  
ered portiere.  
283. Huxley, Mrs. M., Chester. Virgin  
Child and Good Shepherd, embroid-  
ered. N. W. Rot., case 4  
284. Innes, Mrs. Mitchell, Frome. Border  
cushion train.  
285. Irish Women's Work Society, Holly-  
wood, Ireland. Quilts; sheet and pillow  
cases; shamrock table center.  
286. Jameson, Miss M. A., Kendal. Child's  
cushion.  
287. Kendall, Miss A. J., Penzance. Em-  
broidered handkerchief.  
288. Kennard, Miss, Blandford. Em-  
broidered sofa cushion.  
289. Kent, Miss, Salisbury. Design for  
cushion.  
290. Kew, Miss, Coleraine, Ireland.  
Green panel.  
291. Kilduff, Miss M. M., Perth. Knitted  
cushion.  
292. Knight, Miss M., Chelsea. Patch-  
work picture text quilt.  
293. Knight, Miss M., Chelsea. Patch-  
work picture text quilt.  
294. Knight, Miss M., Chelsea. Patch-  
work picture text quilt.  
295. Knight, Miss M., Chelsea. Patch-  
work picture text quilt.  
296. Knight, Miss M., Chelsea. Patch-  
work picture text quilt.  
297. Knight, Miss M., Chelsea. Patch-  
work picture text quilt.  
298. Knight, Miss M., Chelsea. Patch-  
work picture text quilt.  
299. Knight, Miss M., Chelsea. Patch-  
work picture text quilt.  
300. Knight, Miss M., Chelsea. Patch-  
work picture text quilt.

293. Lea, Mrs., Urmston. Linen photo frame.

294. Lucas, Miss A., Hutchin. Altar superfrontals; sofa back.

295. Macgregor, Miss I., London. Needlework done at widows' industrial class at Amritsar, Peshawur.

296. Macpherson, Miss L., London. Embroidered curtain.

297. MacRae, Miss S., Rothesay. Tartan hose.

298. Maples, Misses H. & E., Spalding. Fish scale embroidery.

299. Mercier, Mrs. J., Tewkesbury. Chemise, chalice veil, socks, towel and pillow case.

300. Miller, Mrs. W. F., Sidcot. Bed cover.

301. Mitford, Miss E. B., London. Green silk stole.

302. Molineaux, Misses, London. Baby shoes.

303. Morant, Miss L., Weymouth. Mounted worked fan.

304. Morris, Miss May, London. Coverlet for bed.

305. Newton, Miss I., Ireland. Curtain.

306. Nicholson, Mrs. A. J., Cork, Ireland. Linen quilt; portiere; couvrette.

307. Noble, Miss M. G., Hull. Patchwork quilt, 15,682 pieces.

308. Noedel, Miss, Sandringham. Aprons, overalls for artists; blouses.

309. Paget, Mrs. K. M., London. Copy of old Turkish and Ruskin linen embroidery.

310. Palmer, Misses Felise, Windsor. Cushion cover; children's smocks.

311. Parkinson, Miss M., Brighton. Coral embroidery.

312. Phelps, Miss A. J., Farringdon. Samples of darning.

313. Purvis, Miss, Salisbury. Stole; surplice.

314. Pye, Mrs. Walter, Stirling. Portiere; bodice trimmings.

315. Randall, Miss, Slough. Embroidered quilt.

316. Rigg, Miss M. B., London. Cushion.

317. Russell, Miss R., London. Worked pictures.

318. Saunders, Miss F. H., Baltinglass, Ireland. Sideboard cloth, Mountmellick work.

319. Saunders, Miss L., Baltinglass, Ireland. Toilet cover.

320. Scott, Miss A., London. Poker work.

321. Sharp, Miss C., Barnet. Knitted stockings.

## Needle Work, Nursing, Philanthropy.

- Exhibit No.
322. Shepard, Miss A., London. D'oyleys; brackets.
323. Sheppard, Mrs., Surbiton. Strip for table.
324. Sherlock, Mrs., Castletown, Isle of Man. D'oyleys.
325. Smallwood, Miss, Great Malvern. Cushion.
326. Smith, Miss M. A., London. Chair backs, table cloth, fan and blotter. N. W. Rot., case 4
327. Stone, Miss L., Streatham. Screen.
328. Superioress, Convent of Mercy, Abingdon. Hood of cope.
- 328a. Thompson, Miss, Lancaster. Tea cloth.
329. Thompson, Miss E., Lancaster. Netted bags.
- 329a. Tobin, Miss E. G., Cheshire. Copy of old christening quilt, etc.
330. Tracy, Miss J. F., Ipswich. Fish scale embroidery.
- 330a. Walker, Miss E., Robin Hood. The "Months," in needlework.
331. Walmsley, Miss A., Lucerne, Switzerland. Table cloth.
- 331a. Webster, Mrs., Edinburgh, Scotland. Tartan socks.
332. Webster, Mrs., Wemyss. Satin embroidery; design found on Queen Antoinette's tambour frame at Le Petit Trianon.
- 332a. Welch, Miss E., Canonbury. D'oyley.
333. Westrope, Miss M. E., Clifton. Table covers, melon seed work.
- 333a. Wheeler, Miss M., Bridgenorth. Table cover.
334. Whitehead, Mrs., Ramsgate. Tea cloth; d'oyley.
- 334a. Winks, Mrs. Foulkes, Brixton. Chemise, lace top.
335. Woodward, Miss E. C., London. Worked Bible cover.

## NURSING.

*President:* Mrs. Bedford Fenwick.

- Lady Jeune, Mrs. Priestley, Miss Emily Shaw-Lefevre, Miss Isla Stewart, Miss K. Hendie Close, Miss de Pledge, Mrs. Cheadle, Miss S. Cartwright, Mrs. Walter Lakin, Miss Edith Kirwan-Ward, Miss Annesley Kenealy and Mrs. Holmes Spicer.
- 335a. Autograph portrait of Her Majesty, the Queen, patron of Queen Victoria's Jubilee Institute for Nurses; portraits of H. R. H. Princess Christian of Schleswig-Holstein, Princess Helena of Great Britain and Ireland, President of the Royal British Nurses' Association. Room S. W. gal.

- Exhibit No.
336. Padded splints; bandages; surgical dressings and appliances; items of comfort for the sick. Room S. W. gal.
- 336a. Hygienic clothing; dietary service for the sick; nurses' uniforms, caps and bonnets; gallery of celebrated nurses; medals, badges and decorations awarded to nurses; certificates of British nurse-training schools; nursing library. Room S. W. gal.
337. Bust of H. R. H. Princess Christian, President of the Royal British Nurses' Association; statue and personal effects of Sister Dora; invalid appliances and furniture designed by nurses; models of medical and surgical treatment designed by Sister Marion, Homoeopathic Hospital, M. R. B. N. A.; models of the Pridgin-Teale for excluding dust from rooms, cap-boards, etc. Room. S. W. gal.
- 337a. Model of proposed leper colony for the Yakutsk Siberian lepers from Kate Marsden, London, with curios of her 7,000 mile journey to Siberia; autograph letter from H. M. the queen and photographs of the royal family, H. M. the Empress of Russia, etc. S. wing, C. 3-4.

## PHILANTHROPY.

*President:* Baroness Burdette-Coutts.

- Countess of Harrowby, Mrs. Boyd Carpenter, Mrs. Holmes White, Miss Ellen E. White and Miss Mary Steer.
- 337b. Papers on the Philanthropic Work of Women for Reading at the Philanthropic Congress.
338. Type-written Reports on the Philanthropic Work of Women, classified under the following subject-headings: Childhood; Girlhood; Women; Help for Poor Ladies; Home Mission Work; Amelioration of the Condition of the Working Classes; Women as Poor Law Guardians; Working Guilds and Work Societies; Blind, Deaf and Dumb, and Care of the Helpless; Nursing; Work among British Soldiers and Sailors; Technical and Other Educational Work; Philanthropic Work of Women in Ireland, and Philanthropic Work in the Colonies and Abroad.

## Models and Specimens of Handicraft Work.

- 338a. Model of a children's holiday home and a creche connected with the Ragged School Union; model of a window and a London cabman's shelter decorated with

## Philanthropy.

Exhibit  
No.

- flowers from the London Flower Girls' Mission; beaten brass letter box and tray from Miss Wingfield-Digby's brass-work class, Bournemouth; carved wood letter box from the Hon. Odeyne de Grey's Ratcliffe carving class, London; iron kettle stand, lamp, hinge, bracket and candlestick from Miss Maude's village iron-work class, Curry Rivel, Somerset; artificial flowers from the London Flower Girls' Mission, and carved wood platter and work basket from Miss Fergusson's industrial classes, West Linton, Scotland.
339. Specimens of work from the following Industrial Institutions affiliated to the Society for Promoting Female Welfare: Alford Needlework Association; Portman Chapel Work Society; West Holme Inebriates' Home, Hounslow; Halstead Industrial Home; Digby Institute, Bournemouth; the Cripples' Home and Industrial School for Girls, London; the Cripples' Nursery, London; Italian Protestant Orphanage, Florence; Indigent Blind Visiting Society, London; Industrial Home for Girls, London; South Grove Home School, Tunbridge Wells; Chinese Bible Mission to Women and Children; Epsom Mission Room Work Society; and Illuminated Text Mission.

## Irish Industries.

- 339a. Design in Mrs. O'Brien's Limerick black silk lace for a fan; sent by Mrs. Rogers of Sevenoaks.
340. Handkerchief case from Mrs. Vesey's Dunleckney cottage industry.
- 340a. Embroidered apron, pinafore and cushion from Mrs. Bagwell's Marlfield cottage industry.
341. D'oyles and table covers from Mrs. Ponsonby's Garry Hill girls' class.
- 341a. Work from Miss Stewart's knitting and embroidery class, Ballyardle.
342. Specimens of the peasant knitting industry at Carna.
- 342a. Specimens of grey serge, natural wool and Irish flannel from Mrs. Bernard's Providence Technical Woolen Manufactory, Foxford.

## Lace, Embroidery and Needlework.

343. Work done by blind children.
344. Specimens of stitches worked at the Sister's House, Fairfield, near Manchester.
345. Specimens of lace from the Association for the Encouragement and Improvement of Handmade Pillow Lace for the

Exhibit  
No.

- counties of Northampton, Buckingham and Bedford.
346. Satin embroidery from Miss Ensor, Norwich.
347. Knitted hosiery from St. Chad's Home for Waifs and Strays, Leeds.
348. Patchwork quilt from Miss Fergusson's industrial classes, West Linton, Scotland.
349. Stockings from Miss Steer's Bridge of Hope, London.
350. Work from London Soho Club for Working Girls, banner by Agnes Robertson, a worker at Crosse & Blackwell's jam factory, samples of art needlework stitches by Harriet Alcock, a clerk; sent by the Honble. Maude Stanley.
351. Specimens of work from the Ragged School Union.

## Pictures and Photographs.

352. Photographs of Gordon Hall, Mildmay Boarding House, Deaconess House and Missionary Training Institute at Liverpool; sent by Mrs. Stephen Menzies.
353. Photograph of Mrs. Ponsonby and of her girls' class, Garry Hill.
354. Photographs of Halstead Industrial School; sent by Miss Greenwood.
355. Photograph of the Meath Home for Epileptics.
356. Photographs of Miss Steer's Bridge of Hope, East London.
357. Grants, doles and charities in the county of Norfolk, illustrated with engravings of churches, etc., from Miss Ensor, Norwich.
358. Sketch of a lace-maker in the village of Pitsford, Northamptonshire.
359. Sketches illustrating the work in India of the Marchioness of Dufferin and Ava.
360. Pictures by students of the Art Students' Home, Brunswick Square, London.
361. First Conviction under Martin's Acts ("The Animals Charter"); from the R. S. P. C. A.
- 361a. Three water-color pictures of Columbia market, London. (As. hall.)

## Maps.

362. Map of London, showing the districts in which common lodging houses are situated. From the Lodging House Mission.
363. Map of London, showing the dining-rooms supplying diners for poor children in connection with the Destitute Children's Dinner Society.

## Philanthropy, Ireland, Scotland.

## Books.

## Location in N. Y. Library.

Exhibit  
No.

364. Year Book (1892) of Church of England in the Diocese of Adelaide.
365. Aldershot, a record of Mrs. Daniell's work among the soldiers.
366. Associated Workers' League, 1892.
367. Biblewomen and Nurses, a record of the work of the London Bible and Domestic Female Mission.
368. Elizabeth Gilbert, and her work for the Blind, by Frances Martin.
369. Our Blue Jackets, a narrative of Miss Weston's life and work among our sailors, by Sophia G. Wintz.
370. Catholic Directory; Ecclesiastical Register and Almanac for 1892.
371. Church of England Year Book for 1892.
372. Countess of Huntingdon and her connection, by Rev. J. G. Figgis.
373. English Women and their work in Queen Victoria's reign, 1857-1887, by Miss Hubbard.
374. English Women's Year Book and Directory.
375. Extracts from Minutes of Proceedings of Yearly Meeting of Friends, 1891.
376. Friends' First Day School Association, 1891.
377. Friends' Foreign Mission Association, 1891.
378. Friends' Report of the Home Mission Committee to the Yearly Meeting, 1891, and Report of Addresses at Meeting at Devonshire House, 1891.
379. Friends' Syrian Mission, 1892.
380. Girls' Friendly Society; Associates' List, 1892.
381. What to do With Our Girls, by A.T. Vanderbilt.
382. Work of Private Persons and Societies, under the Neglected Children's Act, 1890, for the years 1890-1891, in Melbourne.
383. Moravian Church Book.
384. New South Wales Statistical Register for 1891 and previous years.
385. Nurses' Directory for 1892.
386. Poor Sisters of Nazareth, Hammer-smith, by Alice Meynell.
387. Ladies' Sanitary Association, six vols.
388. Mrs. Spurgeon's Book Fund and its Work, three vols., 1887, 1889, 1890.
389. Victoria Charitable Institution's Report of the Royal Commission 1891, Department for Neglected Children and Reformatory Schools, 1890, by the Secretary.
390. Papers read at a Conference convened by the Liverpool Ladies' Union of Workers among Women and Girls, 1891.

## IRELAND.

In Conjunction with the Irish Industries Association.

*President:* Countess of Aberdeen.Exhibit  
No.

391. Cappelquin, Miss Keane's Industry. Reticella and raised point lace.
392. Carrickmacross Industry. Bridal dress, veil, fan and handkerchief.
393. Clones Lace-making District. Crochet work.
394. Connermara Peasant Woman. Embroidered baby's robe.
395. Dublin, Cabra Convent Industry. Lace bridal set.
396. Dublin, Gold Bridge Convent Industry. Tambour lace alb.
397. Garryhill Cottage Industry. Embroidered tea-cloths.
398. Innishmacsaint Lace Industry. Raised needlepoint lace.
399. Irish Distressed Ladies' Fund. Embroidered vestments.
400. Kenmare, Convent of Poor Clares. Flouncing; embroidered vestments.
401. Kinsale, Convent of Mercy. Flouncing; bordering; handkerchiefs.
402. Limerick, Convent of Good Shepherd. Tambour lace alb.
403. Limerick Lace-making School. Lace scarfs.
404. Limerick, Mrs. Vere O'Brien's Industry. Tambour lace work.
405. Newry, Convent of Mercy. Tambour lace alb.
406. New Ross, Carmelite Convent. Flouncing, crochet and Jesuit-point.
407. Parsonstown, St. John's Industry. Point lace flounce, fan and handkerchief.
408. Royal School of Art Embroidery. Embroidered vestments.
409. Turbotstown Cottage Industry. Embroidered linen quilt.
410. Youghall, Presentation Convent. Needle-point flouncing.

## SCOTLAND.

In Conjunction with the Scottish Home Industries Association.

*President:* Countess of Aberdeen.*Secretaries:* Miss Munro Ferguson and Miss Meta Donald.

## Arts.

411. Anderson, Miss, Mauchlin. Beaten iron work mirror.

## Scotland, Wales.

- Exhibit No.**
412. Butcher, Mrs., Edinburgh. Inlaid box.
413. Dempster, Miss, Sterling. Inlaid blotter.
414. Ferguson, Mrs. Munro, Novar, N. B. Design for fan.
415. Gillan, Miss E., Ayr. Hand-painted tea set.
416. Graham, Miss, Crieff, N. B. Case of filigree work.
417. Hamilton, Mrs. Vereker, London. Bronze medallions.
418. Harvey, Misses, Tain, N. B. Carved table, clock case and bellows.
419. Perman, Miss, Glasgow. Draught screen.
420. School of Domestic Economy, Edinburgh. Specimen diploma, etc.
421. Thompson Anstruther, Miss, Colinsburgh, N. B. Arab frieze.
422. Traquair, Mrs., Edinburgh. Photographs of illuminated vellum manuscript of Tennyson's "In Memoriam," and two of Mrs. Browning's sonnets illuminated.
423. Tytler, Miss Fraser, Milton Bridge, N. B. Statuette, "A mud-lark;" tracings of ships' plans.
424. Warrack, Miss, London. Brass tray.

## Embroideries.

425. Gillan, Mrs., Ayr. Wall panel; table cover.
426. Gillan, Misses, Ayr. Drapery; bed-spread; cushion; cot cover; mantel border.
427. Haddo School of Needlework. Embroidered peacock.
428. Houston, Women of (Manageress, the Lady Anne Spiers, Houston House, Renfrewshire). Houston embroidery.
429. Royal Repository for Gentlewomen's Work, Edinburgh. Specimens of work.

## Old Embroideries.

430. Lent by the Countess of Aberdeen. Embroidery, worked by Anne, Countess of Aberdeen, 1740.
431. Lent by Mrs. Morrison Duncan, of Norton. Portion of ancient hanging in green velvet, embroidered with raised needlework design, a style specially used in Scotland during the latter Stuart reigns; specimens of old muslin curtain border embroidered by Mrs. Catherine Mackenzie, and old ruffle needlework, as worn on last century dresses; fragment of old Scottish drawing-room coverings embroidered early this century on homespun linen, with specimens of the woollen and flax threads used; ancient pocket-book,

- Exhibit No.**
- worked with green and gold threads on canvas in one of the old Scottish book-cover stitches; Scottish screen, embroidered early this century with the Nicholson arms; bags of Fair Isle knitting and two Spanish bags bought in Valencia market-place, to show similarity; scarf in Scottish needle lace, date early this century, and framed piece of old style embroidery executed in colored threads on linen.
432. Lent by the Countess of Strathmore, Glamis Castle, N. B. Embroidery from the bed of Patrick, Earl of Kinghorn, worked with his arms, about the year 1606.

## Home Industries.

433. Ayrshire School of Art and Women's Industries (Manageress, Hon. Mrs. Vernon, Ayr). Portiere; screens and embroidery.
434. Aberdeen, Women of. Knitted gloves.
435. Gairloch, Women of (Manageress, Lady Mackenzie, of Gairloch, N. B.). Hand-knitted stockings.
436. Harris, Women of (Manageress, Lady Scott, North Harris). Homespun and woven tweeds; spinning wheel.
437. Shetland, Women of (Manageress, Mrs. Lyell, Kinordy, Kirriemuir, N. B.). Specimens of knitting.
438. Stevenson, Miss. Knitted gloves; Victoria tartan.

## Lace.

439. Greig, Mrs., Aberdeen. Pitsligo lace handkerchief; lace.
- 439a. Collection of 33 engravings of famous women.

## WALES.

*President:* Lady Aberdare.

*Hon. Secretary:* Miss Adeane.

## Women's Industries from North Wales.

440. Adeane, Miss, Holyhead. Lay figure dressed in the national costume of North Wales, Welsh costume with high hat, Welsh aprons, various colors; Anglesey spinning wheels, specimens of homespun flax and wool and silk and wool fabrics.
441. Anglesey, Women of. Hand-knitted stockings.
442. Denbigh, School child of. Sample of marking as done in a Welsh school.

## Wales, Portraits of Eminent British Women.

Exhibit  
No.

443. Home Art Center, Holyhead. Bed coverlet by M. Elliott.
444. Curtain, reproduced from seventeenth century four-post bed, by C. Lewis.
445. Sampler of stitches used in old embroidery, sheet and pillow cases, by E. Elliott.
446. Mirror from original, Henry VIII's time, by K. Sharpe.
447. Silver-backed brush by P. Crosse.
448. Hand glass by A. M. Edwards.
449. Copper tray and leather blotting-book by E. Edwards.
450. Owen, E. Tycroes. Spinning wheel.
451. Parry, Catherine, Presadfed. Welsh wigs, as worn by old people in Wales.
452. Williams, Jane, Aberffraw. Baskets made of grass grown on Newborough Sands.

## Women's Industries from South Wales.

453. Hand-loom for flannel weaving as done by women in South Wales, lent by Parry and Rock.
454. Samples of Welsh flannels made by women.
455. Spinning wheel for wool, sent by Lady Llewelyn.
456. Dressed figure in costume of Swansea cockle woman, sent by Lady Llewelyn.
457. Welsh coverlids quilted by women in their own homes.
458. Hand-knitted stockings.
459. Machine-made stockings and Welsh flannels woven by women in Parry and Rock's woolen factories.

## PORTRAITS OF EMINENT BRITISH WOMEN.

## Hung in Assembly Room.

## In Medieval Period.

460. St. Eadgitha, or Edith, of Wilton. Daughter of King Edgar, died 984. Pen and ink drawing of effigy from seal of Wilton Abbey.
461. Devorguilla of Baliol. Founder of Baliol College, Oxford, died 1267. Pen and ink drawing of effigy from seal attached to the statues of the college.
462. Ela, Countess of Salisbury. Wife of William Longespée, lived 1188-1261; Abbess of Lacock, 1240-1258. Pen and ink drawing of effigy from seal used by her when filling office of High Sheriff of Wiltshire after husband's death.

Exhibit  
No.

463. Eva de Braose. Died 1246. Lithograph from monument in St. Mary's Church, Abergavenny.
464. Eva de Cantilupe, Baroness of Abergavenny. Died 1257. Lithograph from monument in St. Mary's Church, Abergavenny.
465. Elizabeth of Clare, Countess of Ulster. Founder of Clare College, Cambridge, died 1340. Engraving.
466. Mary de St. Paul, Countess of Pembroke. Founder of Pembroke College, died 1377. Pen and ink drawing after painting at Cambridge; also one after an old illumination.
467. Margaret of Anjou. Wife of Henry VI, founder of Queen's College, Cambridge, died 1482. Pen and ink drawing after an old illumination.
468. Margaret Beaufort, Countess of Richmond and Derby. Mother of Henry VIII, founder of Christ's College, Cambridge, lived 1441-1509. Engraving from picture in collection of the Earl of Derby.
469. Frances Sydney. Founder of Sydney College, Cambridge, died 1588. Engraving after a picture in the College.
470. Juliana Berners. Prioress of Sopwell, near St. Albans, elected about 1480. Engraving.
471. Elizabeth Hervey. Abbess of Elstow, Bedfordshire, elected about 1520. From monumental brass.
472. Agnes Jordan. Abbess of Syon, elected 1534. From monumental brass.
473. Esther Inglis. Flourished toward close of sixteenth century. From MS. of the Proverbs of Solomon, at the Bodleian Library, Oxford.
474. Dorothy Wadham. Founder of Wadham College, Oxford, died 1618, aged 84. Pen and ink sketch after prints in British Museum.

## In Tudor Period.

475. Queen Mary. Lived 1515-1558. Engraving after Sir Antonio More.
476. Queen Elizabeth. Lived 1533-1603. Engraving.
477. Mary, Queen of Scots. Engraving after picture in St. James' Palace.
478. Jane Seymour. Engraving after Holbein.
479. Anne Boleyn. Engraving after Holbein.
480. Catherine Parr. Engraving after Holbein.

## Portraits of Eminent British Women.

Exhibit

- No.  
**81. Margaret Roper.** Daughter of Sir Thomas More, the Chancellor, lived 1508-1544. Engraving.  
**82. Anne Askew.** Lived 1521-1546, burned at the stake in Smithfield, July 10, 1546. Photograph of picture in possession of Sir Richard Cholmondeley.  
**83. Jane Heddington (Mrs. Cecil).** Mother of the great Lord Burleigh. Photograph from picture in possession of the Marquis of Salisbury.  
**84. Mildred Coke (Lady Burleigh).** Daughter of Sir Anthony Coke, lived 1526-1589. Photograph from picture in possession of the Marquis of Salisbury.  
**85. Lady Jane Grey.** Lived 1537-1554. Engraving.  
**86. Mary Sidney.** Countess of Pembroke. Sister of Sir Philip Sidney, lived about 1550-1621. Engraving after picture of Mark Gerard's.  
**87. Lady Arabella Stuart.** Lived 1545-1615. Engraving after Van Somer.

## In Civil Wars.

- 88. Elizabeth Steward (Mrs. Cromwell).** Mother of Oliver Cromwell, died 1654. Engraving after an old picture.  
**89. Anne Clifford,** Countess of Dorset, Montgomery and Pembroke. Hereditary High Sheriff of Westminster, lived 1589-1675. Engraving from picture in collection of the Duke of Dorset.  
**90. Charlotte de la Tremouille.** Wife of Sir James Stanley, Earl of Derby, died 1663. Engraving after Vandyke of the Earl, the Countess and her son.  
**91. Jane Lane.** Afterward Lady Fisher, died September 9, 1640. Photograph from picture.  
**92. Flora Macdonald.** Died 1790. Engraving after portrait by Alan Ramsay.  
**93. Lady Fanshawe.** Lived 1625-1690. Photograph from picture by Sir Peter Lely.  
**94. Mrs. Lucy Hutchinson.** Wife of Colonel Hutchinson. Engraving.  
**95. Lady Rachael Wriothesley.** Wife of Lord William Russell, daughter of Sir Thomas Wriothesley, Earl of Southampton, lived 1636-1723. Engraving after picture at Woburn Abbey.

## In Early Half of Sixteenth Century.

- 496. Queen Mary.** Lived 1662-1694. Engraving after Sir Godfrey Kneller.  
**497. Queen Anne.** Lived 1665-1714. Engraving after Sir Godfrey Kneller.

Exhibit

- No.  
**498. Sarah Jennings, Duchess of Marlborough.** Lived 1660-1744. Engraving after Sir Godfrey Kneller.  
**499. Margaret Lucas, Duchess of Newcastle.** Died 1673. Daughter of Sir Charles Lucas. Engraving.  
**500. Mrs. Pope.** Mother of the poet. Etching from a drawing at Strawberry Hill.  
**501. Anne Donne (Mrs. Cowper).** Mother of the poet, died 1737. Etching by Blake.  
**502. Elizabeth Rowe.** Writer of religious works. Lived 1674-1735. Engraving.  
**503. Mrs. Wesley.** Mother of John and Charles Wesley.  
**504. Selina, Lady Huntingdon.** Lived 1707-1791. Engraving.  
**505. Elizabeth Carter.** Lived 1717-1806. Engraving after Sir Thomas Lawrence.  
**506. Lady Mary Wortley Montague.** Lived 1720-1800. Engraving.  
**507. Mrs. Montague.** Lived 1729-1800. Engraving.  
**508. Mrs. Chapone.** Lived 1727-1801. Engraving.  
**509. Hannah More.** Lived 1745-1833. Engraving.

## Pioneers in Philanthropy and General Advancement of Women.

- 510. Elizabeth Fry.** Lived 1780-1845. Photograph from picture by Richmond.  
**511. Hannah More.** Lived 1745-1833. Engraving from portrait by Pickersgill in National Portrait Gallery.  
**512. Mary Wolstonecraft Godwin.** Lived 1759-1797. Photograph after Opie.  
**513. Lydia Ernestine Becker.** Lived 1827-1890. Photograph.  
**514. Millicent Garrett Fawcett.** Photograph.  
**515. Mary Carpenter.** Lived 1807-1877. Pen and ink sketch from photograph.  
**516. Mrs. Nassau Senior.** Lived 1829-1877. Photograph from portrait by Watts.  
**517. Florence Nightingale.**  
**518. Sister Dora.** Lived 1832-1878. Photograph of statue at Walsall.  
**519. Dr. Elizabeth Blackwell.** Photograph.  
**520. Dr. Elizabeth Garrett-Anderson.** Photograph.  
**521. Caroline Chisholm.** Lived 1810-1877. Woodcut.  
**522. Miss Marsh.** Photograph.  
**523. Miss F. A. Robinson.** Photograph.  
**524. Miss Weston.** Photograph.  
**525. Mrs. Ranyard.** Photograph.  
**526. Mrs. Meredith.** Photograph.

## Portraits of Eminent British Women.

Exhibit  
No.

527. Mrs. Josephine Butler. Photograph.  
 528. Mrs. P. A. Taylor. Photograph.  
 529. Miss Rosamond Davenport Hill. Photograph.  
 530. Miss Florence Davenport Hill. Photograph.  
 531. Mrs. Ashworth Hallett. Photograph.  
 532. Miss Caroline Ashurst Biggs. Died 1889. Photograph.  
 533. Mrs. Pricilla Bright McLaren. Photograph.  
 534. Miss Isabella M. S. Tod. Photograph.  
 535. Mrs. Anna Haslam. Photograph.  
 536. Miss Flora Stevenson. Photograph.

## Pioneers in Education.

537. Lady Stanley of Alderley. Photograph.  
 538. Barbara Leigh Smith (Madam Bodichon). Died July 11, 1891. Photograph from painting by Miss Osborn, at Girton College.  
 539. Miss Emily Davies. Photograph from portrait at Girton College.  
 540. Miss Anne Jane Clough. First principal of Newnham College. Lived 1820-1892. Photograph from portrait by Shannon, at the college.  
 541. Eleanor Mildred Balfour (Mrs. Henry Sidgwick). Principal of Newnham College. Photograph from portrait by Shannon, at the college.  
 542. Mrs. Jellicoe. Founder and first principal of Alexandra College, Dublin. Died 1880. Photograph.  
 543. Mrs. Wm. Grey and Miss Shirreff. Founders of National Union for Education of Women. Photographs.  
 544. Miss Wordsworth. Principal of Lady Margaret Hall, Oxford. Photograph.  
 545. Miss Beale. Founder and principal of Cheltenham Ladies' College. Photograph.  
 546. Miss Buss. Founder and principal of North London Collegiate School. Photograph.  
 547. Mrs. Byers. Founder and principal of Victoria College, Belfast. Photograph.  
 548. Mrs. John Elder. Founder of Queen Margaret College, Glasgow. Woodcut.  
 549. Philippa Fawcett. "Above the Senior Wrangler," July, 1890. Photogravure.

## Central Group.

550. H. M. Queen Victoria. 1837.  
 551. H. M. Queen Victoria. 1837.

Exhibit  
No.

552. H. M. Queen Victoria as Princess Victoria. 1832.  
 553. H. M. Queen Victoria as Princess Victoria. 1829.  
 554. The Empress Frederick. Engraving after Winterbottom in 1858.  
 555. The Princess Alice. Engraving, 1860.  
 556. The Princess Christian. Engraving.

## In Science, History, Etc.

557. Anna Brownell Murphy (Mrs. Jameson). Lived 1794-1861. Photograph from bust by Gibson, in National Portrait Gallery.  
 558. Mary Fairfax (Mrs. Somerville). Lived 1780-1872. Engraving after portrait in National Portrait Gallery.  
 559. The Marchioness of Salisbury. Photograph.  
 560. The Marchioness of Dufferin and Ava. Photogravure.  
 561. Harriett Martineau. Lived 1802-1876. Engraving after portrait by Margaret Gillies.  
 562. Frances Power Cobbe. Photograph.  
 563. Anna Swanwick. Photograph.  
 564. Agnes Strickland. Lived 1897-1874. Engraving after portrait in National Portrait Gallery.  
 565. Catherine Winkworth. Died 1878. Photograph.  
 566. Susanna Winkworth. Died 1885. Photograph.  
 567. Amelia Blandford Edwards. Died 1892. Photograph.  
 568. Matilda Betham Edwards. Photograph.  
 569. Jane Harrison. Photograph.  
 570. Miss Ormerod. Photograph.

## In General Literature.

571. Mrs. Howitt. Lived 1805-1885. Engraving.  
 572. Mrs. Piozzi. Lived 1769-1852.  
 573. Joanna Baillie. Lived 1762-1851.  
 574. Anne Taylor (Mrs. Gilbert). Lived 1782-1866. Jane Taylor. Lived 1783-1852. Photograph.  
 575. Mary Lamb. Lived 1765-1847. Photograph.  
 576. Mary Granville (Mrs. Delaney). Lived 1700-1788. From painting at Hampton Court.  
 577. Mrs. Trimmer. Lived 1741-1810. Engraving.  
 578. Mrs. Barbauld. Lived 1743-1805. Engraving.  
 579. Mrs. Opie. Lived 1769-1853.

## Portraits of Eminent British Women.

Exhibit  
No.

80. Miss Mitford. Lived 1786-1854. Woodcut.  
81. Mrs. Holland. Lived 1770-1844. Engraving.  
82. Mrs. Grant of Laggan. Lived 1753-1838. Engraving.  
83. Jane Welsh (Mrs. Carlyle). Died 1866. Photogravure.

## In Poetry.

84. Elizabeth Barrett (Mrs. Browning). Lived 1809-1861. Photograph after picture by Mrs. Bridget Fox.  
85. Adelaide Anne Procter. Lived 1826-1864. Photograph.  
86. Christina Rossetti.  
87. Jean Ingelow. Woodcut.  
88. Felicia Browne (Mrs. Hemans). Lived 1794-1884. Engraving after miniature.  
89. Letitia Elizabeth Landon ("L. E. L."). Lived 1802-1839. Engraving after Maclise.  
90. Mrs. Tighe. Lived 1773-1810. Engraving after Bonney by Caroline Watson.

## In Fiction.

91. Maria Edgeworth. Lived 1767-1849. Engraving.  
92. Jane Austen. Lived 1775-1817. Engraving.  
93. Fanny Burney (Madam d'Arblay). Lived 1752-1840.  
94. Jane Porter. Lived 1770-1856. Engraving.  
95. Mrs. Gore. Lived 1769-1861. Engraving.  
96. Mrs. Trollope. Lived 1790-1862. Woodcut.  
97. Sidney Owenson, Lady Morgan. Lived 1788-1859. Photograph.  
98. The Honorable Mrs. Norton. Lived 1807-1877. Engraving.  
99. Elizabeth Hamilton. Died 1816. Engraving after Raeburn.  
100. Charlotte Brontë. Lived 1816-1855. Photograph from picture by Richmond.  
101. Mrs. Gaskell. Lived 1810-1865. Photograph from portrait by Richmond.  
102. "George Eliot." Lived 1819-1880. Photograph.  
103. Mrs. Oliphant. Photograph.  
104. Anne Thackeray (Mrs. Richmond Ritchie). Photograph.  
105. Charlotte Yonge. Photograph.  
106. Dinah Mulock (Mrs. Craik). Died 1887. Photograph.

Exhibit  
No.

607. Jessie Fothergill. Died 1891. Photograph.  
608. Mrs. Humphrey Ward. Photograph.  
609. Mrs. W. K. Clifford.  
610. "Edna Lyall."

## In Drama and Music.

611. Mrs. Siddons. Lived 1756-1811. Engraving after Sir Joshua Reynolds—as "Tragic Muse."  
612. Fanny Kemble (Mrs. Butler). Died 1893. Engraving after Sir Thomas Lawrence.  
613. Mrs. Kendall.  
614. Ellen Terry. Photograph.  
615. Rosalind Frances Ellicott. Photograph.  
616. Clara Augusta Macirone. Photograph.  
617. Mrs. Julian Marshall. Photograph.  
618. Oliveria Prescott, A. R. A. M. Photograph.  
619. Maude Valerie White. Photograph.

## In Art.

620. Mary Moser, R. A. (Mrs. Lloyd). Died 1819.  
621. Angelica Kauffmann, R. A. Lived 1740-1807. Engraving.  
622. Anne Linwood. Lived 1756-1845. Engraving.  
623. Mrs. Conway. Engraving.  
624. Mary Beale. Lived 1632-1697. Engraving.  
625. H. R. H. Princess Louise. Engraving.  
626. H. R. H. Princess Beatrice. Photograph.  
627. Louisa, Marchioness of Waterford. Died 1891.  
628. Mrs. Allingham.  
629. Lady Butler.  
630. Mrs. Julia Cameron.  
631. Mrs. Louise Stair Canziani.  
632. Miss A. Grant.  
633. Miss Mary Grant.  
634. Mrs. Marrable.  
635. Miss Moody.  
636. Mrs. Perugini.  
637. Mrs. Jopling Rowe.  
638. Mrs. Adrian Stokes.  
639. Mrs. Swynnerton.

# GUATEMALA.

LOCATION—South Wing, E, 9.

Manufactures, Liberal Arts.

## DEPT. H.—MANUFACTURES.

### GROUP 90.

Exhibit No.	Class'n No.
1. Rendon, Trinidad N. de, Guatemala.	
Blue satin bordered ornament for a parlor.	573

### GROUP 103.

2. Klee, Matilde, Guatemala.	Shawl.	642
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### GROUP 104.

3. Aragon & Arandi, Senioritas, Guatemala.	Ladies' hats.	655
4. Galicia, Ascension, Guatemala.	Straw hats.	654
5. Hernandez, Concepcion, Guatemala.	Short jacket used by natives.	653
6. Hicol, Rosario, Guatemala.	Shirt worn by Indian women.	653
7. Indiglua, Guatemala.	Indian woman's shirt and belt.	653
8. Klee, Matilde, Guatemala.	a Child's coat.	653
	b Stockings for children.	657
9. Nicolasa, Quiche.	Head gear used by natives.	655
10. Rac, Brania, Guatemala.	a Indian woman's embroidered shirt.	653
	b Undershirt worn by the Indians.	658
11. Sac, Rosa, Guatemala.	Indian pants.	652
12. Socop, Maria, Guatemala.	Indian head gear.	655

### GROUP 106.

13. Batz, Juana, Toboncapane.	Muslin embroidered with silk.	665
14. Coter, Manuela M., Guatemala.	a Embroidered silk handkerchief.	665
	b Silk cushion embroidered in gold.	669
15. Garcia Salas, Elena de, Guatemala.	Embroidered towel.	665

Exhibit No.	Class'n No.
16. Gorritz, Natalia, Guatemala. Embroidered paper stand and satin cushion.	659
17. Jeronimo, Manuela, Guatemala. Napkin and thread embroidery.	655
18. Klee, Matilde, Guatemala. Satin cushions covered with lace and other embroidery.	665
19. Penedo, Josefa F. de, Guatemala. Satin and plush cushions embroidered in gold and silk.	669
20. Vasquez, Francisca, Guatemala. Table covers, watch holders and handkerchiefs.	665

### GROUP 110.

21. Acena, Corina T. de, Sacatepequez.	Toys.	693
22. Aragon & Arandi, Senioritas, Guatemala.	Colored baskets.	685
23. Carillo, Basilio, Sacatepequez.	Toys.	693
24. Casa Central, Guatemala.	Fancy paper baskets, pen-wiper, pin-holder, etc.	695
25. Dumas, Dolores, Guatemala.	Bride's set made in wax.	697
26. Escuela de San Martin, Chimaltenango.	Paper baskets and watch holders.	695
27. Jeronimo, Manuela, Guatemala.	Small baskets.	695
28. Klee, Matilde, Guatemala.	Articles made of paper.	695

### GROUP 121.

29. Ramirez, Luciano, Guatemala.	Bottle with a cross.	
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## DEPT. L.—LIBERAL ARTS.

### GROUP 149.

30. School of Chimaltenango, Chimaltenango.	Kindergarten articles.	701
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## INDIA.

LOCATION—North Wing, E. 1.

Horticulture, Machinery, Manufactures.

## DEPT. B.—HORTICULTURE.

## GROUP 21.

Exhibit No.	Class'n No.
1. Ganguli, Mrs., London, England.	
a Models of almonds and cardamoms made by Bengali ladies.	137
b Models of fruit made by Bengali women.	138

## DEPT. F.—MACHINERY.

## GROUP 79.

2. Ganguli, Mrs., London, England. Clay and stone molds for making sweetmeats, made by Bengali ladies.	495
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## DEPT. H.—MANUFACTURES.

## GROUP 98.

3. Ganguli, Mrs., London, England. Model of a pearl and precious stone necklace, made by Bengali ladies.	615
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## GROUP 100.

4. Bayley, Lady, London, England. Red silk, woven by women for the Manipur Durbar, and given as presents on state occasions.	629
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## GROUP 102.

5. Bayley, Lady, London, England. Red tartan cloth, woven by the women of Upper Assam.	638
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## GROUP 104.

6. Ganguli, Mrs., London, England.	
a Assamese lady's dress, consisting of Nekhala skirt, Rheiha wrap and Artria shawl, woven by women.	653
b Scarf woven by Tipperah woman.	653

Exhibit No.	Class'n No.
7. Oliphant, Mrs. Arthur, London, Eng.	
a Parsee boy's dress made by the sister of Sir Jamsetjee Jeejeeboy, Bart.	653
b Mahommedan boys' dresses made by Padshah Begum.	653

## GROUP 106.

8. Bailey, Lady, London, England.	
a Suzanni embroidery made by Punjabi women.	665
b Silk embroidery on coarse cotton cloth, for domestic use, made by Manipur women.	665
9. Carmichael, Mrs. David, London, England.	
a Toda cloth and bag made by Toda women of the Nilagiris mountains.	665
b Handkerchief worked by two girls, aged seven or eight, in the Hobart School, Madras.	665
c Embroidery worked by H. H. the Princess of Wadywan.	669
d Wedding cloth made and worn by Jāt and Baishnava women of Bikarni.	669
e Cushion embroidered by Assif Bibi, a widow, aged fifteen, teacher at the Hobart school, Madras.	669
10. Constable, A., London, England.	

a Embroidered bourkha or wrapper, for street wear, made by a lady of Peshawar.	669
b Bodice, embroidered by Hindu woman of Sukhur.	669
c Women's slippers, embroidered on inside of soles by women of Peshawar.	669
d Embroidered Peshawar leather work.	669

11. Ganguli, Mrs., London, England.	
a Infant's quilt and handkerchief, worked by Katiany Biswas, of Santipus.	665
b Saree embroidered in gold Katiany Biswas.	
c Saree embroidered in silver Benares ladies.	

## Manufactures, Forestry.

- | Exhibit No. |   | Class'n No. |
|-------------|---|-------------|
| 12.         | Lyall, Lady, London, England. Two phulkaris, embroidered by Punjab women.                         | 669         |
| 13.         | Manning, Miss, London, England.   |             |
|             | a Phulkari made by Sarawati, a teacher at Lahore.   | 669         |
|             | b Indian silk embroidery done by Radhabae Stati, a pupil of the female training college at Poona. | 669         |
|             | c Silk embroidery by pupils of Hobart school for girls at Madras.                                 | 666         |
| 14.         | Rai Bahadar Bakshi Ram Singh, Kawalpindi, Punjab.   |             |
|             | a Phulkari worked by one of his attendants.   | 669         |
|             | b Tablecloth in gold embroidery worked by a lady of Bhera.  | 669         |

## GROUP 110.

- | Exhibit No. |   | Class'n No. |
|-------------|---|-------------|
| 15.         | Constable, A., London, England. Ear drops made of silk and tinsel, worn by the women in Peshawar. | 695         |
| 16.         | Ganguli, Mrs., London, England. Cut paper pictures made by a lady of Dacca.                       | 695         |

## DEPT. N.—FORESTRY.

## GROUP 19.

- | Exhibit No. |  | Class'n No. |
|-------------|--|-------------|
| 17.         | Ganguli, Mrs., London, Eng. Bamboo basket made by lower caste women of Calcutta. |             |

## ITALY.

LOCATION—South Wing, D-F, 2d.

## Manufactures, Liberal Arts.

## DEPT. H.—MANUFACTURES.

## GROUP 90.

- | Exhibit No. |   | Class'n No. |
|-------------|---|-------------|
| 1.          | Di Brazza, Countess Cora. Room furnished in style of fifteenth century. | 572         |

## GROUP 106.

- | Exhibit No. |   | Class'n No. |
|-------------|---|-------------|
| 2.          | Di Brazza, Countess Cora. Figure of lace-worker at work. Laces, including the personal lace of the Queen of Italy, consisting of bed-spread under which |             |

- | Exhibit No. |  | Class'n No. |
|-------------|--|-------------|
|             | Victor Emanuel was born, bridal veils of Burano, fans, sachets and Venetian point coupe, Genoese point and Sicilian laces. | 664         |

## DEPT. L.—LIBERAL ARTS.

## GROUP 150.

- | Exhibit No. |   | Class'n No. |
|-------------|---|-------------|
| 3.          | Di Brazza, Countess Cora. Book on lace and lace making. | 654         |

## JAPAN.

LOCATION—South Wing, D-F, 8-4.

Agriculture, Manufactures.

## DEPT. A.—AGRICULTURE.

## GROUP 9.

Exhibit No.	Class'n No.
1. Fujimoto, Mrs. Mastu, Nagano. Cocoons.	61
2. Japanese Ladies' Committee, Tokio. Book on rearing silk worms, loaned by the household of Her Imperial Majesty, the Empress Dowager.	61
3. Machida, Miss. Kiku, Gumma. Cocoons.	61
4. Mochizuki, Mrs. Kiku, Fukushima. Cocoons.	61
5. Tajima, Mrs. Mase, Gumma. Cocoons.	61
6. Tanaka, Mrs. Jiu, Nagano. Cocoons.	61

## DEPT. H.—MANUFACTURES.

## GROUP 89...

7. Japanese Ladies' Committee, Tokio. a Orimono paper articles made by the ladies of the Court.	557
b Lacquered inkstand case.	564

## GROUP 90.

7a. Japanese Ladies' Committee, Tokio. Japanese lady's library and boudoir.	572
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## GROUP 91.

8. Hattori, Mrs. Tsana, Tokio. Porcelain statues.	576
9. Kawamata, Miss Masa, Aichi. Porcelain flower vases.	576
10. Kimura, Miss Suzu, Ishikawa. Porcelain plate.	576
11. Nilsaidow, Mrs. Rei, Tokio. Porcelain flower vases.	576
12. Ninomiya, Miss Kastu, Miyo. Porcelain inlaid work vases.	576
13. Saiki, Miss Tatsu, Miyo. Porcelain flower vases.	576
14. Seifu, Mrs. Kuma, Tokio. Porcelain flower vases.	576
15. Tsuji, Miss Sode, Saga. Porcelain flower vases.	576
16. Yamamoto, Mrs. Yasu, Kanagawa. Porcelain flower vases.	576

## GROUP 93.

Exhibit No.	Class'n No.
17. Kaji, Mrs. Ima, Aichi. Cloisonne flower vase.	586
18. Nukii, Mrs. Yen, Kanagawa. Cloisonne flower vase.	586

## GROUP 96.

19. Kikuma, Mrs. Yaye, Tokio. Image of a child.	599
20. Murata, Mrs. Sumi, Tokio. Sculptured metal panel.	601

## GROUP 100.

21. Abe, Mrs. Kuni Tochigi. Figured silk fabric.	629
22. Akatsuka, Miss Sute, Hokkaido. Figured silk fabric for sash.	629
23. Asano, Mrs. Hidenō, Gifu. Figured crepe.	630
24. Date, Mrs. Ino, Kioto. Silk damask.	629
25. Fujiu, Mrs. Taka Gumma. Figured damask.	629
26. Hirata, Miss Shika, Kioto. Crinkled silk fabric.	629
27. Inouye, Mrs. Nobu, Kioto. Crinkled silk cloth.	629
29. Iwamoto, Miss Hatsu, Tochigi. Figured silk fabric.	629
30. Japanese Ladies' Committee, Tokio. Figured silk fabrics, loaned by the Household of Her Majesty, the Empress Dowager.	629
31. Kawasaki, Mrs. Masu, Gumma. Raw silk.	625
32. Moriyama, Mrs. Masa, Gumma. Figured damask.	629
33. Nakagawa, Miss Koma, Shiga. Figured crepe.	630
34. Nishimura, Mrs. Shina, Kioto. Silk panel.	629
35. Okamoto, Mrs. Uno, Kioto. Silk panel.	629
36. Sasaki, Mrs. Yuki, Kioto. Figured damask chair cover.	629
37. Takayama, Mrs. Soye, Nagano. silk.	629

## Manufactures, Fine Arts, Liberal Arts.

Exhibit No.	Class'n No.
38. Takeda, Mrs. Take, Aomori. White figured silk.	629
39. Takeda, Miss Tomi, Aichi. Crinkled silk fabric.	629
40. Tokuye, Mrs. Sawa, Gumma. Raw silk.	625
40a. Yoshizawa, Mrs. Iyono, Nagano. Raw silk.	625

## GROUP 101.

41. Takayesu, Mrs. Matsuo, Okinawa. Spun silk cloth.	634
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## GROUP 102.

42. Higoanna, Mrs. Oto, Okinawa. Cotton fabric.	638
43. Nagasuye, Mrs. Ito, Fukuoka. Crinkled cotton.	638

## GROUP 106.

44. Akashi, Mrs. Masa, Ishikawa. Embroidered panel.	669
45. Horiguchi, Mrs. Chiyo, Tokio. Artificial flowers of cloth.	666
46. Iida, Mrs. Uta, Kioto. Embroidered panel.	669
47. Kageyama, Miss Fusako, Tokio. Embroidered panel.	669
48. Katow, Miss Toku, Tokio. Handkerchief.	664
49. Kumai, Mrs. Yone, Osaka. Artificial flowers of feathers.	666
50. Matsuoku, Miss Tsute, Tokio. Artificial flowers.	666
51. Mimura, Miss Yayoi, Kioto. Fan.	667
52. Mitsui, Mrs. Tsuta, Kioto. Artificial flowers of cloth.	666
52a. Nakabayashi, Mrs. Haru, Tokio. Lace handkerchief.	664
53. Orihara, Miss Uta, Tokushima. Embroidered table cover.	669
54. Takahashi, Miss Teiru, Tokio. Embroidered hanging decorations.	669
55. Tsuruda, Miss Nao, Tokio. Embroidered panel.	669
55a. Yasuda, Miss Suye, Tokio. Embroidered panel.	

## GROUP 110.

56. Hoshiai, Mrs. Shizu, Nagano. Relief picture.	695
57. Suda, Miss Roku, Tokio. Relief picture.	695
58. Yeguchi, Mrs. Yaso, Kioto. Relief picture.	695

## DEPT. K.—FINE ARTS.

## GROUP 140.

Takahashi, Miss Masu, Tokio.	
59. A Young Lady.	

Exhibit No.	Class'n No.
Tsukahara, Miss Ritsuko, Tokio.	
60. Seishonagon, the Ancient Poetess. Watanabe, Mrs. Yu, Tokio.	
61. A Child Grasping a Dragon Fly.	

## GROUP 141.

H. I. H. the Princess Kotohito.	
61a. Painted fan.	
Atomi, Miss Katsu, Tokio.	
62. Pheasant and Cherries.	
Atomi, Miss Kwakei, Tokio.	
63. Weeds and Flowers.	
Hashimoto, Mrs. Yei, Osaka.	
64. Flowers.	
Iwai, Mrs. Naka, Kioto.	
65. Mount Arasi in Four Seasons.	
Kanow, Mrs. Hisako, Tokio.	
66. Ancient Dancing.	
Mayeda, Mrs. Riye, Tokio.	
67. Bird and Chrysanthemums.	
Morizumi, Miss Tai, Osaka.	
68. Insect Hunting.	
Noguchi, Miss Chika, Tokio.	
69. Ikko's Scenery.	
Sakuma, Miss Yone, Tokio.	
70. Butterflies and Peonies.	
Takabayashi, Mrs. Tetsu, Tokio.	
71. Car and Flowers.	
Yuemura, Miss Tsune, Kioto.	
72. Young Ladies.	

## DEPT. L.—LIBERAL ARTS.

## GROUP 150.

73. Japanese Ladies' Committee, Tokio. Poem composed and written by Her Majesty the Empress and manuscripts in handwriting of court ladies and the committee. Book on Japanese women.	254
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## GROUP 155.

74. Collective Exhibit of the Princess Mori. Sword, dagger, furnished with cabinet, purse, hair pin sack, incense box with censor, etc., boxes for paper, Japanese harp, banjo and viola, reading and writing stands, books, clothes racks and trays with complete set of lady's costume and underclothing, gaming shells and cases, fire pots, mirrors and stands, ebony stand and flower basket, silk cushions, etc.	91
75. Hachisuka, Collection of the Marchioness, Tokio. Painted paper hangings; writing stand and inkstone case.	91
76. Mayeda, Collection of the Marchioness, Tokio. Painted paper hangings, book cabinets with books and albums, incense frame with censor, etc., lacquered table, inkstone and stationery cases and draught chess and dice boards.	91

## MEXICO.

LOCATION—South Wing, A-C, 2, unless otherwise specified.

Agriculture, Horticulture, Mines and Mining, Transportation, Manufactures.

## DEPT. A.—AGRICULTURE.

## GROUP 8.

Exhibit No.	Class'n No.
1. Cicero, Ana, Campeche. Cigars wrapped in corn leaves.	52
2. Pugibet, Ernesta, Mexico. Cigars.	52
3. Sucesores, Noriega, Mexico. Cigars.	52

## GROUP 9.

4. Orphan Asylum of Guadalajara, Jalisco. Samples of products of silk.	61
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## GROUP 18.

5. Ceballos, Luisa, Colima. White wax.	97
6. Valle, Rosario, Campeche. Wax candles.	97

## DEPT. B.—HORTICULTURE.

## GROUP 21.

7. Acha, Pomposa de, Michoacan. Quince confection.	141
8. Aldaz, Maria Luisa, Mexico. Dish with wax fruit.	138
9. Asylum of Guadalajara. Wax fruit.	138
10. Mexican Government, Michoacan. Wax fruit.	138
11. Mexican Government, Oaxaca. Wax fruit.	138

## DEPT. E.—MINES AND MINING.

## GROUP 67.

3. Christina Ramirez, Guanajuato. Figures of miners working in a mine.	410
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## DEPT. G.—TRANSPORTATION.

## GROUP 83.

4. Arroya, Felipa, Tepic. Woolen driving reins.	523
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## DEPT. H.—MANUFACTURES.

## GROUP 89.

Exhibit No.	Class'n No.
15. Rezas, Antonia, Jalisco. Writing case.	564
16. Zazati, Maria, Zacatecas. Paper holder.	564

## GROUP 90.

17. Garcia, Granado, Ursula, Oaxaca. Prayer stool painted in oil.	572
17a. Mexican Government. Presidential chair of Mexico.	N. gal. 565
18. Mexican Government, Michoacan. Painted table tops varnished with "axe."	566

## GROUP 91.

19. Schmitlein, Gertrudis, Mexico. Painted coffee set.	577
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## GROUP 96.

20. Aldrete, Señorita, Jalisco. Carved wooden box.	598
21. Pupils of the School of Arts and Industries, Mexico. Carved walnut frame.	598

## GROUP 100.

22. Asylum of Guadalajara. Three pieces of silk.	628
23. Cenicero, Carmen, Durango. Silk garters, old style.	630
24. Coriente, Isabel de la, Coahuila. Embroidered silk handkerchief.	630
25. Fagu de Patino, Maria, Michoacan. Silk handkerchief.	630
26. Mexican Government, Michoacan. Silk handkerchief.	630
27. Mexican Government, Oaxaca. a Samples of silk.	628
b Woven silk bands and garters.	630
28. Talamon, Maria, Jalisco. Silk handkerchief.	
29. Tenorio, Luis, San Luis Potosi. belt.	

## Manufactures.

## GROUP 101.

Exhibit No.	Class'n No.
30. Garcia, Victoria, Mexico. Pine apple handkerchief.	634
31. Mexican Government, Oaxaca. Hemp towel.	634
32. Sotomayos, Dolores, Sinaloa. Pine-apple handkerchief.	634

## GROUP 102.

23. Arce, Luz N. de, Guerrero.	
a Bags for carrying provisions, cotton coverlet, cloth in Apache design and napkins.	638
b Woven linen table cloth, skirts in shaded colors, and linen chemises.	639
34. Campuzano, Jinforiana, Guerrero.	
Woven pillow case.	639
35. Commercial and Industrial Museum, Jalisco. Cloth woven by the pupils and napkin hand woven by Indian women.	638
36. Garza, Antonia, Coahuila. Hand woven towel.	638
37. Hall de Miroles, Isabel, Mexico. Napkin.	639
38. Hernandez, Lorenza, Mexico. Napkin.	639
39. Iniestra de Romon, Maria, Mexico. Pillow cover.	639
40. Labastida, Maria, Yucatan. Cotton towel.	638
41. Lanz, Carolina, Campeche. Household towel.	638
42. Lobo, Clotilde, Coahuila. Linen pillow-case.	639
43. Martinez, Benita, Guerrero. Cloth for skirts and bags.	638
44. Mexican Government. Linen pillow cover.	639
45. Mexican Government, Chiapas. Cotton coverlets, handkerchiefs and table cloths.	638
46. Mexican Government, Michoacan. Linen towels and pillow case.	639
47. Mexican Government, Morelos. Piece of the cloth used by the natives.	638
48. Mexican Government, Oaxaca. Cotton hand, belt, hand woven handkerchief and woven coverlet.	638
49. Mexican Government, Puebla. Cotton hands and coverlet.	638
50. Mexican Government, Queretaro. Colored linen bags.	639
51. Partida, Dolores, Tepic. Napkins woven on Indian loom.	639
52. Pereira, Manuela, Yucatan. Cotton table-cloth and towels.	638

Exhibit No.	Class'n No.
53. Pereira, Maria, Yucatan. Cotton coverlet.	638
54. Pliego, G. M. de, Mexico. Napkins woven in native loom.	639
55. Reyes, Maria de, Michoacan. Linen aprons.	639

## GROUP 103.

56. Ancona, Adolfin, Yucatan. Woolen table cover.	642
57. Cenicero, Carmen, Durango. Wool rug.	644
58. Fuentes, Magdalena G. de, Tepic. Woolen rug.	649
59. Garcia, Maria H. de, Mexico. Woolen belt.	647
60. Gonzalez, Luz, Mexico. Embroidered wool blanket.	642
61. Indian Woman of Alica, Tepic. Belts.	647
62. Indian Woman of Toluca, Mexico. Embroidered wool blanket.	642
63. Iniestra, Coleta G. de, Mexico. Embroidered wool blanket.	642
64. Mexican Government, Michoacan. Garters and belts, with apparatus for making.	647
65. Mexican Government, Oaxaca. Woolen belt.	647
66. Morano, Camila E., Campeche. Woolen carpet.	647
67. Pliego, G. M. de, Mexico. Woolen blankets with Indian embroidery.	647
68. Quejano, Joaquina, Campeche. Woolen rug.	647
69. Serna, Francisca, Coahuila. Blanket.	647
70. Villavicencio, Concepcion, Puebla. Woolen piano cover.	647
71. Woman's Board of the Federal District, Mexico. Blankets and shawls.	647

## GROUP 104.

72. Acuna, Luz, Coahuila. Child's dress crocheted in silk.	647
73. Amabilis, Flavia, Yucatan. Embroidered chemise.	647
74. Ancola, Carlota, Colima. Chemise trimmed with ruffling and lace.	647
75. An Indian Woman of Sinacantan, Mexico. Man's shirt and shirt front.	647
76. An Indian Woman, San Luis Potosi. Indian garments. (Quisquemetls.)	647
77. Arce, Luz N. de, Guerrero. Costume of Acatlan and shawl for Indian women.	647
78. Archbishop of Oaxaca. Doll in antique costume of Tehuantepec.	647

## Manufactures.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
79. Arzojo, Ricarda, Tap'c. Knitted garters.	657	104. Jaques, Dolores, Durango. Indian woolen mantle (sarape).	653
80. Asylum of Guadalupe, Zacatecas. Embroidered night shirt.	658	105. Jimenez, Rosa, Campeche. Indian embroidered chemise.	653
81. Auxiliary Women's Board, Durango. a Shirts with crocheted collar and cuffs.	653	106. Lopez, Juana, Yucatan. Embroidered night shirt.	658
b Set of collars and cuffs.	658	107. Lugo, Cornelia, Yucatan. National costume.	653
82. Avendanò, Cefernia, Sinaloa. Stockings.	657	108. Madrid, Eulalia, Hidalgo. Child's shirt.	653
83. Arzapalo, Manuecia, Sinaloa. Child's shirt.	658	109. Manzanilla, Cancionila, Yucatan. Embroidered night shirt.	658
84. Baca, Jovita, Hidalgo. Child's shirt.	658	110. Martinez, Herlinda, Puebla. a Buck-skin waistcoats with gold and silver embroidery, gray cloth pantaloons and buck-skin jackets.	652
85. Barrios, Dolores C. de, Mexico. Child's shirt.	658	b Felt hats with gold and silver trimmings.	654
86. Bermon, Adelaide, Yucatan. Indian shirt embroidered with silk.	658	111. Mendoza, Inocencia, Yucatan. Indian embroidered shirt (huipil).	658
87. Berrones, Guadalupe, San Luis Potosi. Indian woolen mantle (sarape).	653	112. Mexican Government. Indian shirts ("huipiles") of cotton in native designs.	658
88. Bishop of Tamaulipas. a Silver embroidered velvet mantle.	652	113. Mexican Government, Chiapas. a Cotton cloth garment.	652
b Gold embroidered velvet slippers.	656	b Indian chemises and satip waist with ribbons.	653
89. Canul, Nicolosa, Yucatan. Indian shirt embroidered with silk.	658	c Indian shirts ("huipiles"), bands and belts.	658
90. Cenicero, Carmen, Durango. Bags knit in old style.	657	114. Mexican Government, Chihuahua. Shawls (Rebozos.)	653
91. Coblenitz, Silvano, Mexico. Shirts, handkerchiefs and cravats.	658	115. Mexican Government, Coahuila. Water-proof cotton Indian mantle.	653
92. Corro, Manuela R. de, Oaxaca. Hand woven cuffs.	658	116. Mexican Government, Michoacan. Indian woman's cotton and wool mantle ("Sarape") and huanengo and girl's garment.	653
93. Cortes, Clemencia, Sinaloa. Child's embroidered dress.	653	117. Mexican Government, Morelos. Embroidered woolen huipil and other native garments.	658
94. Escoledo, Dolores, Hidalgo. Chemise.	653	118. Mexican Government, Oaxaca. a Costume of Tehuantepec woman and chemises.	653
95. Espejel y Ciel, Dolores, Hidalgo. Figure in native costume made of century-plant fibre.	653	b Indian shirts (huipiles) and children's shirts.	658
96. Esquerro, Ascension R. de, Tep'c. Silk embroidered mantle.	653	119. Mexican Government, Puebla. Woolen quisquemetl (Indian garment).	653
97. Eucso, Jesus, Sonora. Infant's wardrobe.	653	120. Mexican Government, Queretaro. Children's shirts.	658
98. Ferry de Cano, Antonia, Campeche. Indian shirt (huipil) embroidered in colors.	658	121. Mexican Government, San Luis Potosi. Indian embroidered garment (quisquemettl).	653
99. Flores, Ramona, Sinaloa. Stockings.	657	122. Mexican Government, Zacatecas. Indian woolen mantle (sarape).	653
100. Gil y Gil, Candelaria, Yucatan. Indian silk embroidered shirt (huipil).	658	123. Moguel, Juana, Yucatan. Embroidered night shirt.	658
101. Gomez, Sofia, Puebla. Complete national costume.	653	124. Moguel, Sofia, Yucatan. Embroidered apron.	653
102. Gonzalez, Maria, Coahuila. Children's embroidered dresses.	653		
103. Guerrero y Saenz, Concepcion, Durango. Rapon (loose overgarment of Inech).	652		

## Manufactures.

Exhibit No.	Class'n No.
125. Olivares, Aurelia O. de, Mexico.	658
Shirt sleeves.	
126. Partida, Dolores, Tepic.	Knitted
garters.	657
127. Pena, Antonia de la, Sinaloa.	Indian
woolen mantle (sarape).	653
128. Polanco, Marina, Yucatan.	Indian
silk embroidered shirt (huipil).	658
129. Ramos, Maria, Yucatan.	National
costume.	653
130. Rangel, Maria, Guanajuato.	Child's
dress.	653
131. Rosenzweig, Eudoxia, Mexico.	
Children's shirts.	658
132. Ruiz, Josefa, Yucatan.	National
costume.	653
133. Saldana, Amalia, Mexico.	Child's
shirt.	658
134. Saltillo, Misses del, Coahuila.	Child's
dress.	653
135. Stheger, Antonia, Campeche.	Child-
ren's stockings.	657
136. Villarrelle de Henkel, Concepcion,	
Mexico. Shirt made by an Indian woman.	658
137. Woman's Auxiliary Board, Mexico.	
English lace and silk embroidered	
chemises.	653
138. Woman's Auxiliary Board, Nuevo	
Leon. Indian water proof mantle	
("sarape").	653
139. Woman's Board of the Federal Dis-	
trict, Mexico. Indian mantles ("sarape").	653
140. Women's Society of San Ignacio,	
Sinaloa.	
a White skirts.	653
b Antique shirt and shirt sleeves.	658
141. Ybarra, Guadalupe, Tepic.	Knitted
garters.	657
142. Zaapedro, Inderina, Campeche.	
Child's stockings.	657

## GROUP 106.

143. Acosta, Pomposa, Sinaloa.	Em-
broidered handkerchief.	665
144. Alcalá, Eutimia, Vera-Cruz.	Crochet
work.	665
145. Alcalde, Francisca, Sinaloa.	Em-
broidered scarf.	665
146. Aldaiturriaga, Dolores, Michoacan.	
Drawn work cushion cover.	665
147. Aldana, Paulina, Puebla.	Open
work handkerchief.	665
148. Alday, Leonor, Guerrero.	Open
work sleeves.	665
149. Aldrete, Josefa, Jalisco.	Linen
embroidery.	665

Exhibit No.	Class'n No.
150. Aldrete, Maria, Jalisco.	Linen
embroidery.	665
151. Alvarez, Dolores, Michoacan.	Em-
broidery and drawn work pillow cover.	665
152. Alvarez, Luz, Zacatecas.	Embroid-
ered handkerchief.	665
153. Amapalis, Maria, Yucatan.	Em-
broidered handkerchiefs and scarf.	665
154. Amante, Maria de Jesus, Michoacan.	
Silk embroidered handkerchief.	665
155. Andrade, Maria L., Sinaloa.	Em-
broidered handkerchief.	665
156. Arce, Eulogia, Yucatan.	Lace.
664	
157. Arce, Luz N. de, Guerrero.	
a Embroidered linen and silk hand-	
kerchiefs, table cloth, chemise,	
skirts, bands and borders, netted	
cushion cover, skirts trimmed with	
lace and drawn work pillow case,	
cushion cover and linen skirts.	665
b Embroidered banners.	665
158. Archbishop of Mexico. Altar linen	
crimped in designs.	665
159. Archbishop of Michoacan. Antique	
dress for Virgin, curtain for sacristy and	
embroidered sleeve.	665
160. Archbishop of Oaxaca, Oaxaca.	Ant-
ique embroidery.	665
161. Argueller, Aurelia, Mexico.	Cushion
cover with lace.	664
162. Arias, Crisofora P. de, Queretero.	
Drawn work and lace house sacque.	665
163. Arzapalo, Manuela, Sinaloa.	Drawn
work scarf.	665
164. Asylum of Guadalajara.	
a Drawn work.	664
b Embroidered pine-apple cushion	
cover.	665
165. Asylum of Guadalupe. Open work	
napkins and cushions.	665
166. Auschondi, Micaela, Chihuahua.	Silk
drawn work.	665
167. Auxiliary Women's Board, Durango.	
a Baby's crocheted bib and pillow	
cases.	665
b Altar cloth with old embroidery.	665
168. Avila, Inocencia, Zacatecas.	Em-
broidered handkerchief.	665
169. Avila, Lucinda, Yucatan.	Embroid-
ered chemise yoke.	665
170. Avila, Tomaso, Yucatan.	Embroid-
ered handkerchief.	665
171. Aviles, Maria, Sinaloa.	Embroidered
scarf.	665
172. Ayala, Andrea, Nuevo Leon.	Satin
pin cushion with crocheted cover, cro-	
cheted collar and embroidered silk hand-	
kerchief.	665

## Manufactures.

Exhibit No.	Class No.	Exhibit No.	Class No.
173. Baca, Miroa C. de, Chihuahua.		197. Cardenas, Dolores, Campeche.	Cro-
Drawn work.	665	cheted curtain.	665
174. Barrera, Guillerma F. de, Guerrero.		198. Cardenas, Elena, Mexico. Embroidery	8 9
Macramé lace trimming.	664	in gold.	
175. Bastarrachea, Remedio, Yucatan.		199. Cardenas, Eulalia, Durango. Ruffles	665
Embroidered chemise yoke.	665	for pillow cases.	
176. Bayardo, Candelaria, Sinaloa. Open		200. Carpio, Dolores, Campeche. Em-	669
work scarf.	665	broidered paper holder.	
177. Ballico de Ruiz, Domitila, Campeche.		201. Carpizo, Rosario, Campeche. Em-	669
Artificial flowers made of isinglass and		broidered paper holder and hanger.	
fish scales.	666	202. Carranco, Catalina, Zacatecas. Open	665
178. Bello, Guadalupe, Campeche. Arti-		work towel.	
ficial flowers made of copal.	666	203. Carrjedo, Jesus, Mexico. Embroid-	669
179. Beltran, Carmen, Chihuahua. Drawn		broidery.	
work apron.	665	204. Casanova, Rosa, Yucatan. Fan of	667
180. Binari, Teresa, Jalisco. Embroid-		tortoise shell and ribbons.	
ered pine-apple shawl.	669	205. Castaneda, Alberta, Jalisco. Pillow	665
181. Bishop of Colima, Colima. Embroid-		covers.	
ered amice.	669	206. Castella, Amalia, Colima. Em-	669
182. Bishop of Nuevo Leon. Mitre of		broidered scarf.	
cloth of gold embroidered with gold and		207. Castellano, Lucrecia, Yucatan. Table	669
precious stones, chalice cover, chasuble,		cover embroidered with silk.	
maniples and bands of silver cloth em-		208. Castellanas, Rosanna, Sinaloa. Em-	665
broidered with gold, and embroidered		broidered handkerchief.	
napkin case and linen vestment.	669	209. Castellanos, Guadalupe, Vera Cruz.	669
183. Bishop of Tamaulipas.		Embroidered scarf and handkerchief bag.	
a Linen embroidered handkerchiefs	665	210. Castillo, Beatriz R. de, Guerrero.	665
and amice.		Small shirt in drawn work and tatting.	
b Vestment of silver, cloth and piece		211. Castor, Luz, Durango. Handkerchief	669
of satin embroidered with gold and		embroidered with portrait of President	
silver, chenille embroidered table	669	Diaz.	
cloth.		212. Castro, Maria Trinidad, Queretere.	665
184. Blanco, Adelaida, Sinaloa. Open		Embroidered handkerchief.	
work handkerchief.	665	213. Cazares, Carlota, Sinaloa. Silk	669
185. Bocardo, Juana, San Luis Potosi.		embroidery.	
Embroidered cushion cover.	665	214. Cepeda, Herlinda, Jalisco. Crocheted	665
186. Bonzalez, Pomposa, Mexico. Silk		pillow covers.	
drawn work.	665	215. Cervantes, Amparo, Jalisco. Em-	669
187. Borrego, Herlinda, Zacatecas. Open		broidery.	
work towel.	665	216. Chavarri, Trinidad G. de, Nuevo Leon.	665
188. Bravo, Maria de Jesus, Michoacan.		a Embroidered and drawn work	665
Samples of lace.	664	handkerchiefs.	
189. Buenaf Venancia G. de, Tepic. Open		b Napkin in antique embroidery.	669
work table cloth.	665	217. Chavez, Amada O. de, Guerrero.	664
190. Burgos, Amanda, Yucatan. Lace.		Netted lace.	
664		218. Chavez, Concepcion de, Jalisco, Silk	665
191. Burgos, Leonor, Yucatan. Em-		embroidery on cambric.	
broidered handkerchief.	665	219. Clara, Melchora, Coahuila.	665
192. Caceres, Maria, Campeche. Crochet		a Drawn work.	
work.	665	b Colored silk embroidery.	669
193. Canasco, Albina, Sinaloa. Crocheted		220. Colegio de la Providencia, Puebla.	669
coverlet.	665	Frame with gold embroidery.	
194. Capmany, Josefa, Campeche. Em-		221. Colegio Ferisiana, Puebla.	664
broidered napkin.	665	a Pillow lace handkerchief.	
195. Capmany, Maria, Campeche. Cro-		b Linen embroidery.	665
cheted napkin.	665	222. College of Mary, Mexico. Silver	669
196. Caraza, Carolina, Vera Cruz. Art		altar cloth embroidered in gold and em-	
embroidery.	669	broidered amice.	

## Manufactures.

Exhibit No.	Class No.	Exhibit No.	Class No.
223.	Cordero, Rosa, Méico. Pillow lace.	251.	Fayardo, Leonor, Colima. Crocheted wrap.
224.	Corónia, Buemaventura, Michoacan. Embroidered linen shawl.	252.	Fayardo, Maria, Colima. Knotted shawl.
225.	Cortez, Juana, Mexico.	253.	Fayardo, Rafaela, Colima. Embroidered lawn handkerchief.
	a English lace work.	254.	Fenovio, Julia, Puebla. Chemises with colored embroidery.
	b Embroidered flowers.	255.	Feran, Victoria, Hidalgo. Embroidered linen handkerchiefs.
226.	Cosio, Maria G. de, Queretero. Embroidered handkerchief.	256.	Fernandez de Balmonte, Soledad, Michoacan. Embroidered cushion cover.
227.	Cruz, Dolores, Hidalgo. Ayate cloth embroidered in colored wool.	257.	Ferrazas, Dominga, Chihuahua.
228.	Cueva, Esther, Colima. Embroidered picture—"The Landing of Columbus."		a Embroidered handkerchiefs.
229.	Curiel, Maria, Colima. Embroidered silk handkerchief.		b White silk embroidery.
230.	Davila, Dolores, Oaxaca. Silk embroidery on paper.	258.	Ferrazas, Maria Dolores, Chihuahua. Drawn work napkins and silk table cover, embroidered with chenille.
231.	Diaz, Candelaria, Michoacan. Linen embroidered handkerchief.	259.	Figuerola, Juana, Oaxaca. Gold lace.
232.	Diaz, Manuela, Puebla. Knitted cover.	260.	Flores, Clotilde, Zacatecas. Art embroidery.
233.	Diaz, Mamuel, Yucatan. Crocheted coverlet.	261.	Flores, Josefa, Coahuila. Drawn work.
234.	Diaz, Remedio, Mexico. Embroidered apron.	262.	Flores, Maria, Colima. Crocheted wool wrap.
235.	Duarte, Isabel, Yucatan. Embroidered table cloth.	263.	Fonseca, Poibiana, Mexico. Open work and embroidery.
236.	Dublan, Maria, Mexico. Drawn work and open work.	264.	Freyo, Isaura, Colima. Child's embroidered dress.
237.	Duran, Manuela, Mexico. Silk embroidery.	265.	Frillanes, Maria, Morelos. Drawn work towel.
238.	Duval de Villalon, Juana, Mexico. Embroidery and drawn work.	266.	Gálindo, Juana and Lucia, Nuevo Leon. Drawn work scarfs.
239.	Eliás, Juana, Morelos. Infant's netted cap.	267.	Galindo, Librada G. de, Nuevo Leon.
240.	Escarza, Francisca, Morelos. English lace handkerchief.		a English lace handkerchiefs.
241.	Escarzaga, Remedio, Durango. Embroidered handkerchiefs.		b Antique drawn work napkins.
242.	Escofie, Cecilia, Campeche. Crocheted coverlets.	268.	Galindo, Luisa, Nuevo Leon. Netted work.
243.	Escudero, Elvira, Tepic. Embroidered altar linen.	269.	Gallegos, Angela C. de, Mexico.
244.	Espinoza, Guadalupe, Coahuila. Silk drawn work and embroidery.		a Embroidered handkerchiefs and crocheted work.
245.	Espinoza, Sahara, Mexico. Silk embroidery.		b Silk embroidered cloth cover.
246.	Esquerro, Ascension R. de, Tepic. Embroidered cushion.	270.	Gamboa, Regina, Yucatan. Lace.
247.	Estrada, Guadalupe, Guerrero. Linen towel in drawn work with border.	271.	Garcia, Ana G., San Luis Potosi. Lace napkins.
248.	Estrada, Leocadia, Guerrero. Crocheted-pillow case.	272.	Garcia, Maria, Coahuila. Silk drawn work.
249.	Estrada, Ursula, Guerrero. Crocheted pillow case.	273.	Garcia, Maria de Jesus, Coahuila. Art embroidery.
250.	Fayardo, Francisco, Colima. Scarf embroidered in relief.	274.	Garcia, Reducindo, Tepic. Lace napkin.
		275.	Garduno, Concepcion. Crochet work.
		276.	Garduno, Guadalupe G. de, Mexico. Linen embroidery.

## Manufactured.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
277. Garrido, Guadalupe, Campeche.	Colored silk embroidery. 669	301. Hernández, Soledad, Mexico.	Embroidered handkerchief. 665
278. Garza, Carmen de la, Durango.	Embroidered cushion cover 669	302. Herrera, Emeterio, Michoacan.	Embroidered picture. 669
279. Geronica, Virginia, Yucatan.	Crocheted square. 665	303. Hidalgo, Ester, Mexico.	Embroidered handkerchief. 665
280. Gomer, Luz, Guanajuato.	Embroidered cushion. 669	304. Hilar, Juana, Jalisco.	Embroidered napkin of pine-apple fibre and silk scarf. 669
281. Gomes. Flores, Francisca, Sinaloa.	Netted silk curtains, embroidered coverlet and silk embroidered pillow covers. 665	305. Hilar, Rosa, Sinaloa.	Embroidered silk handkerchief. 665
282. Gomes, Llano, Reynalda, Sinaloa.	Embroidered scarf. 665	306. Hilar, Rosa F. de, Coahuila.	Linen embroidery and drawn work. 665
283. Gomez, Gabina, Puebla.	Embroidered towels. 665	307. Hinojosa, Petra, Colima.	Tlachiual napkin. 665
284. Gomez, Josefa de, Mexico.	a Lace. 664 b Drawn work. 665	308. Hoffman, Emilia, Guerrero.	Linen handkerchief in drawn work and embroidery. 665
285. Gomez, Modesta, Michoacan.	Drawn work pillow cover. 665	309. Huerta, Dolores, Coahuila.	Silk embroidered handkerchief. 665
286. Gomez, Josefa, Puebla.	Crochet work. 665	310. Illanes, Dolores, Mexico.	Linen thread and filigrée handkerchief. 665
287. Gonzalez, M., Michoacan.	Drawn work napkin. 665	311. Iniestra, Rosario, Mexico.	a Lace handkerchief. 664 b Embroidered table cloth. 665
288. Gonzalez, Maria, Mexico.	Linen embroidered handkerchief. 665	312. Iturbide, Maria J. de, Michoacan.	Embroidered linen apron. 665
289. Gonzales, Rafaela, Sinaloa.	Drawn work scarf. 665	313. Izaguirre, Angela D., Sinaloa.	Drawn work handkerchief. 665
290. Gonzales, Teresa, Mexico.	a Embroidered and drawn work handkerchief. 665 b Silk embroidered picture. 669	314. Lacana, Emilia, Sonora.	Embroidered handkerchief. 665
291. Gonzalez, Trinidad, Guanajuato.	a Brazilian point lace handkerchief. 664 b Drawn work handkerchief. 665	315. Laguna, Salome, Jalisco.	Embroidered silk scarf. 669
292. Graf, Rosa O. de, Mexico.	a Point lace handkerchief. 664 b Embroidered handkerchief and netted cushion cover. 665	316. Larranaga, Angela, Yucatan.	Art embroidery. 669
293. Guerara, Rafaela, Guerrero.	Netted yoke of chemise. 665	317. Lazo, Carlota M. de, Chihuahua.	Netted work. 665
294. Gutierrez, Josefa, Sinaloa.	Open work cushion. 665	318. Leon, Antonia, Sinaloa.	Embroidered scarfs. 665
295. Gutierrez, Refugio, Sinaloa.	Sample of embroidery, tatting, open work and drawn work; embroidered handkerchief. 665	319. Leon, Josefina, Sinaloa.	Embroidered scarf. 665
296. Hemkel, Rosa B. de, Mexico.	Silk embroidered handkerchief. 665	320. Leon, Maria, Coahuila.	Linen drawn work. 665
297. Hernandez, Luz, Morelos.	Coverlet of satin and netted work. 665	321. Leon, Victoria, Mexico.	Embroidered handkerchief. 665
298. Hernandez, Otila, Sinaloa.	Embroidered handkerchief. 665	322. Lazo, Martelina, Chihuahua.	Embroidered handkerchief case. 669
299. Hernandez, Pilar, Colima.	Embroidered cambric handkerchief. 665	323. Leon de Arechiza, Apolona, Zacatecas.	a Knitted towel. 665 b Art embroidery. 669
300. Hernandez, Rosario, Campeche.	a Crochet work for chemise. 665 b Silk embroidery. 669	324. Loeza, Maria, Sinaloa.	Open work embroidery. 665
		325. Lopez, Batriz, Mexico.	Artificial flowers made of medula de higuera and yesca. 666
		326. Lopez, Beatriz, Campeche.	Artificial flowers made of copal. 66

## Manufactures.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
327. Lopez, Beatriz, Mexico.	Drawn work handkerchief.	665	
328. Lopez, Consuelo S. de, Mexico.	Antique band of silk and gold thread.	669	
329. Lozarraga, Dolores, Sinaloa.	Open work handkerchiefs.	665	
330. Luciana de la, Coahuila.	Linen embroidery and drawn work.	665	
331. Macias, Carmen, Sinaloa.	Silk embroidery.	665	
332. Madrid, Josefa, Sinaloa.	Embroidered satin cushion.	669	
333. Majorga, Julia, Hidalgo.	Embroidered arnice.	669	
334. Maldonado, Gregoria B., Guerrero.	a Lace shirt.	664	
	b Child's dress in open work.	665	
335. Mall, Francisca, Vera Cruz.	Drawn work.	665	
336. Mancera, Margarita G. de, Mexico.	Embroidery.	669	
337. Manon, Elena, Mexico.	Fancy bureau cover.	669	
338. Manzanilla, Pascuala, Yucatan.	Embroidered bib.	665	
339. Marengo, Margarita, Hidalgo.	Samples of drawn work.	665	
340. Marengo, Raguel, Hidalgo.	Samples of drawn work.	665	
341. Marentes, Leonor, Campeche.	Embroidered handkerchief.	665	
342. Marin, Juana, Puebla.	Infant's wardrobe.	665	
343. Martinez, Candelaria, Durango.	Netted altar cloth.	665	
344. Martinez, Carlota, Nuevo Leon.	Crochet work.	665	
345. Martinez, Dolores, Nuevo Leon.	Embroidered and drawn work scarf.	665	
346. Martinez, Guadalupe, Mexico.	Embroidered cushion.	669	
347. Martinez, Manuela, Mexico.	Silk drawn work.	665	
348. Martinez, Maxima, Tepic.	a Needle point lace for napkin.	664	
	b Embroidered scarf.	665	
349. Martino, Virginia, Queretero.	Linen embroidery and silk embroidered handkerchief.	665	
350. Mendez, Margarita, Puebla.	Embroidered handkerchiefs.	665	
351. Mexican Government, Chiapas.	a Lace pillow case.	664	
	b Woven rug.	670	
352. Mexican Government, Colima.	a Embroidered handkerchief, chemise with open work, crocheted yoke of chemise and napkin with open work and tatting.	665	
	b Feather table cover and watch case embroidered in gold.	668	
353. Mexican Government, Michoacan.	a Lace squares, pillow lace yoke and English lace handkerchief.	664	
	b Drawn work napkin, towel, etc., embroidered handkerchiefs, crocheted and lawn yoke for chemises, crocheted, knitted and embroidered pillow, table and bureau covers, infant's knitted cap, embroidered cotton coverlet, knitted napkin, crocheted cushions and pin cushion cover.	665	
	c Embroidered satin coverlet and velvet cushion and handkerchief embroidered in relief.	669	
354. Mexican Government, Oaxaca.	a English lace work and lace handkerchiefs.	664	
	b Drawn work shirts, napkins, towel and yoke for chemise, embroidered cushion, shirt, handkerchiefs and pillow, crocheted work and embroidery on paper.	665	
	c Pictures embroidered in gold silk, embroidered alb and table covers and mitre embroidered with gold and pearls.	669	
355. Mexican Government, Queretero.	a Embroidered linen handkerchiefs.	665	
	b Embroidered cushion cover.	669	
356. Mexican Government, Tamaulipas.	Silk and velvet crazy quilt.	665	
357. Mexican Government, Vera Cruz.	a Embroidered and drawn work handkerchiefs.	665	
	b Basket of artificial flowers made of feathers.	669	
358. Mier y Romero, Carlota, Mexico.	Samples of lace, with articles for making.	664	
359. Miranda, Soledad, Puebla.	Antique embroidered belt and altar cloths.	669	
360. Mitie, Gertrudis, Mexico.	Tatting and drawn work.	665	
361. Moguel, Casiana, Yucatan.	Embroidered scarf.	665	
362. Molina y Vazgue, Isabel, Vera Cruz.	Embroidered handkerchief.	665	
363. Monroy, Emilia, Mexico.	Child's shirt in drawn work.	665	
364. Monroy, Julia, Mexico.	Child's shirt and pillow cover in drawn work.	665	
365. Montero, Rita, Campeche.	Embroidered satin portfolio.	669	

## Manufactures.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
366. Monter y Luz, Cornelia, Hidalgo. Cambric handkerchief in drawn work and embroidery.	665	394. Ortega, Maria, Mexico. Silk drawn work.	665
367. Morales, Isolina D., Sonora. Embroidered handkerchief.	665	395. Osano, Josefa, Yucatan. Embroidered handkerchief.	665
368. Morales, Martina, Sinaloa. Embroidered pineapple handkerchief and scarfs.	665	396. Pacheco, Adela, Campeche. Crocheted curtain.	665
369. Morano, Josefa, Campeche. Embroidery.	669	397. Pacheco, Ana, Campeche. Silk embroidery on paper.	669
370. Morano, Camila, Campeche. Silk embroidery.	669	398. Pacheco, Maria, Campeche. Flowers made of wood shavings.	666
371. Moreira, Elena, Coahuila. Cambric drawn work.	665	399. Paez, Maria, Jalisco. Embroidered pineapple handkerchiefs.	665
372. Muguerza, Julia G., Nuevo Leon. Netted cushion cover and drawn work scarf.	665	400. Pamaga, Filomena. English lace handkerchief.	664
373. Munoz, Isabel, Jalisco. Embroidered scarf.	669	401. Pantoja, Maria de la Luz, Mexico. Embroidered picture of butterflies and other insects.	669
374. Munoz, Juventina, Mexico. Artificial flowers made of papatla.	666	402. Parras, Sabela, Mexico. Silk embroidered handkerchief.	665
375. Murguia, Aurelia, Mexico. Silk embroidered scarf.	669	403. Partido, Paula G. de, Tepic. Needle point lace for napkin.	664
376. Napoles, Maria, Morelos. Drawn work.	665	404. Patino, Guadalupe, Puebla. Embroidered coverlet.	665
377. Narbona, Mercedes, Senora. Embroidered pillow cover.	665	405. Pena, Guadalupe de la, Coahuila. Netted pillow cover.	665
378. Navarro, Feodora, Tamaulipas. Embroidered scarfs.	665	406. Pena, Refugio, Sinaloa. Embroidered scarf.	665
379. Navarro Guadalupe, Sonora. Embroidered cushion.	665	407. Pena, Romona, Sinaloa. Embroidered scarfs.	665
380. Nunez, Matilda, Hidalgo. Crocheted napkins.	665	408. Pena, Rosa, Coahuila. Embroidered linen curtain for sacristy.	665
381. Nunez de Dehesa, Teresa, Vera Cruz. Lace handkerchief.	664	409. Peraza, Bernarda, Yucatan. Artificial flowers made of wood shavings.	666
382. Ochoa, Refugio, Mexico. Embroidered handkerchief case.	669	410. Pereira, Trinidad, Yucatan. Crocheted napkin and embroidered handkerchief.	665
383. Ojeda Giron, Maria, Michoacan. Basket of artificial flowers.	666	411. Perez de Laguave, Matilde, Campeche. Crocheted napkin.	665
384. Ojida, Adela, Yucatan. Embroidered handkerchief.	665	412. Pichardo, Guadalupe, Mexico. English lace handkerchief.	664
385. Olivella, Leonor, Campeche. Shell flowers.	666	413. Pichardo, Matilde, Mexico. a Pillow lace cushion cover. b Embroidered yoke.	664 665
386. Olivera, Hugeta, Puebla. Embroidered scarf.	669	414. Pliego, G. M. de, Mexico. Tattin and drawn work.	665
387. Ornelas, M., Coahuila. Silk embroidery and drawn work.	665	415. Portuguez, Dolores, Mexico. Embroidered gauze lamp shade.	669
388. Oropeza, Maria, Mexico. Embroidered handkerchiefs.	665	416. Powell, Soledad, Vera Cruz. Feather flowers.	666
389. Orozeo, Senoritas, Vera Cruz. Lace handkerchief.	664	417. Pozos, Angela, Mexico. Embroidery.	669
390. Orphan Asylum of Guadalajara, Jalisco. Specimens of needle work.	665	418. Prince, Susana, Coahuila. Silk drawn work.	665
391. Ortega, Adelaida, Sinaloa. Landscape.		419. Prison of Vera Cruz, Vera Cruz. Knitted table cover.	665
392. Ortega, Las Francisca, Yucatan. Wool embroidery.	665	420. Ramirez, Antonia, Puebla. Pillow cover woven by hand and embroidered.	665
393. Ortiz, Virginia, Sinaloa. Linen thread cushion covers.	665		

## Manufactures.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
421. Ramirez, Carmen, Chihuahua. Drawn work handkerchief.	665	447. Rosa, Celestina, Zacatecas. Open work pillow cover.	665
422. Ramirez, Maria T., Chihuahua. Drawn-work yoke.	665	448. Rosas, Josefa, Morelos. English lace collar.	665
423. Rangel, Carmen B., Hidalgo. Netted cushion cover.	665	449. Rosas, Juana, Sinaloa. Embroidered scarf.	665
424. Retes, Ascension, Sinaloa. Embroidered towel.	665	450. Rosas, Loreto, Morelos. Child's sacque and table cover in drawn work.	665
425. Reyer, Maria de, Michoacan. Ruffles for pillow case.	665	451. Rosell, Guadalupe, Mexico. Embroidered table cover.	665
426. Reyes, Aurelia O. de, Nuevo Leon. a English lace handkerchief.	664	452. Rubalcaba, Francisca, Tepic. Embroidered handkerchief.	665
b White silk embroidery and embroidered handkerchief.	665	453. Rubio, Elvira, Campeche. Crocheted pillow case.	665
427. Reyes, Maria de, Michoacan. Embroidered handkerchief and scarf.	665	454. Ruiz, Florencia, Guanajuato. Frame of cloth flowers.	665
428. Rio, Adela, Campeche. Cambric drawn work.	665	455. Ruiz, Loreto, Yucatan. Open work towel.	665
429. Rio, Manuelo, Campeche. Shell flowers.	666	456. Sabido, Alberta, Yucatan. Embroidered handkerchief.	665
430. Rios, Enriqueta de los, Tepic. Embroidered handkerchief and pillow case.	665	457. Sada, Klena, Coahuila. Embroidered slippers.	665
431. Rivas, Antonia, Coahuila. Netted collar for woman.	665	458. Salas, Dorotea, Sinaloa. Drawn work scarfs.	665
432. Rivas, Aurora, Campeche. Crocheted tidy.	665	459. Salas, Ignacia, Sinaloa. Embroidered cushion.	665
433. Rivera, Consuelo Juarez de, Guerrero. Embroidered handkerchief and infant's cap crocheted with beads.	665	460. Salas, Victoria, Sinaloa. Embroidered scarf.	665
434. Robles, Juana, Tepic. Embroidered scarf.	665	461. Salazar, Carolina, Zacatecas. Art embroidery.	665
435. Rocha, Maria, Guanajuato. Drawn work napkins.	665	462. Salazar, Cruz, Michoacan. Embroidered amice.	665
436. Rodriguez, Aurelia, Zacatecas. Open work pillow covers.	665	463. Salazar, Dolores, Zacatecas. Embroidered handkerchief and netted coverlet.	665
437. Rodriguez, Febronia, Campeche. Open work napkins and crocheted tidy.	665	464. Salazar de Gauchano Maria Josfa. Campeche. Embroidered picture frame.	665
438. Rodriguez, Maria, Guanajuato. Embroidered handkerchief.	665	465. Salome, F. de Castell, Colima. Patch work quilt.	665
439. Rodriguez, Paula, Campeche. Embroidered slippers, etc.	669	466. Satillo, Misses del, Coahuila. Embroidered coverlets and curtains.	665
440. Rojas, Ana Maria, Puebla. Flowers made of charcoal.	666	467. Sanchez, Concepcion, Queretero. Embroidered and netted cover.	665
441. Rojas, Maria, Mexico. Embroidery.	669	468. Sanchez, Guadalupe, Coahuila. a English lace.	665
442. Roman, Angela, Michoacan. Embroidered bed foot cover.	665	b Drawn netted and crocheted.	665
443. Romero, Mariana, Michoacan. Artificial flowers in imitation of porcelain.	666	469. Sanchez, Maria, Zacatecas. Embroidered cushion.	665
444. Romero, Soledad, Colima. Embroidered table cover.	669	470. Sandobal, Angela, Mexico. Crocheted work.	665
445. Romero, Trinidad, Michoacan. Embroidered linen handkerchief.	665	471. Sansores, Paula, Yucatan. Lace.	665
446. Romero de Gomez, Guadalupe, Vera Cruz. Embroidered scarfs.	665	472. Sepulveda, Amelia, Jalisco. Embroidery.	665
		473. Serrano, Trinidad, Morelos. Drawn work yoke.	665

## Manufactures.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
474. Siqueiros, Maria, Chihuahua.	Drawn	500. Vargas, Refugio, Tepic.	Art em-
work handkerchief.	665	broidery.	665
475. Silva, Adelaida, Guanajuato.	Netted	501. Vega, Augustina, Sinaloa.	Em-
coverlet.	665	broidered scarf and handkerchief.	665
476. Society of Public Employes, Zaca-		502. Vega, Concepcion, Morelos.	Drawn
tecas. Embroidered banner.	669	work towel.	665
477. Solares, Enriqueta, Mexico.		503. Vega, Delfina, Sinaloa.	Silk em-
a Lace apron.	664	broidery.	669
b Samples of netting.	665	504. Vega, Misses, Mexico.	Drawn
c Embroidered chair and music port-		work.	665
folio.	669	505. Vega, Trinidad, Sinaloa.	Em-
478. Solis, Jesus, Yucatan.	Embroidered	broidered scarf and handkerchief.	665
handkerchief.	665	506. Vega de Jener, Leonor, Campeche.	
479. State of Yucatan. Linen embroidery.		Wax flowers and wreath of fish scales.	666
	665		
480. Suastegui, Elena de, Sonora.	Satin	507. Villagran, Clemencia, Mexico.	Cam-
and velvet bed coverlet.	669	bric pillow cover with point lace.	664
481. Suastegui, Otilia, Morelos.	Cro-	508. Villalao, Ignacia, Chihuahua.	Em-
cheted yoke.	665	broidered velvet cushion.	669
482. Surricalday, Brigida, Michoacan.		509. Villarrelle de Henkel, Concepcion,	
a Samples of macrame lace and lace		Mexico. Embroidered, sheet, shirt yoke,	
work.	664	drawn work cushion, embroidered cushion	
b Embroidered apron and samples		and set of table linen.	665
of netting and insertion.	665	510. Villasenor, Maria, Michoacan.	Em-
483. Tapia, Delfina L., Guerrero.	Linen	broidered silk handkerchief.	665
sacque with drawn work.	665	511. Villegas, Monica, Mexico.	Drawn
484. Tapia, Maria, Mexico.	Silk drawn	work.	665
work.	665	512. Violante, Oaxaca.	Antique ecclesi-
485. Teran y Socias, Esther, Jalisco.		astical embroideries.	669
Guipure lace over silk netting.	664	513. Vizcarra, Guadalupe, Colima.	
486. Tintor, Josefa, Mexico.	Cambric	a Embroidered handkerchief.	665
cushion with pillow lace.	664	b Silk and bead work.	669
487. Torres, Luz, Guanajuato.	Handker-	514. Woman's Auxiliary Board, Mexico.	
chief in drawn work and embroidery.	665	a Pillow lace.	664
488. Torres, Rafaela, Michoacan.	Em-	b Embroidered and drawn work hand-	
broidered handkerchief.	665	kerchiefs, drawn work children's	
489. Traconis, Maria, Yucatan.	Lace.	garments, bibs, pillow case, sheets,	
664		cushions, coverlet and napkins, and	
490. Urbina, Romana, Mexico.	Lace.	embroidered napkins.	665
664		c Jardiniere with artificial flowers.	666
491. Urena, Maclovio, Jalisco.	Em-	d Sofa pillow embroidered in silk, and	
broidery.	669	embroidered scarf.	669
492. Ursua, Juana, Jalisco.		515. Woman's Auxiliary Board, Nuevo	
a Drawn work and needle work.	665	Leon.	
b Art embroidery.	669	a Netted napkins, etc., embroidered	
493. Valdez, Alejandra, Sinaloa.	Em-	cotton bags, pillow covers and cov-	
broidered silk shawl.	669	erlet, and drawn work handker-	
494. Valdez, Josefa, Nuevo Leon.	Em-	chiefs, bed flounce, pillow cover,	
broidered handkerchiefs.	665	napkins, night shirt, scarfs, etc.	665
495. Valdez, Juana, San Luis Potosi.	Gold	b Small pieces of tapestry in imita-	
embroidered altar curtain.	669	tion of the antique.	670
496. Vallado, Consuelo S. del, Mexico.		516. Women's Auxiliary Board, Tepic.	
Crochet and drawn work handkerchief.	665	a Drawn work and embroidered hand-	
		kerchiefs, open work pillow cover	
497. Valle, Rosario, Campeche.	Artificial	and embroidered scarf.	665
flowers.	666	b Velvet paper holder embroidered	
498. Vallote, Amelia, Durango.	Em-	with gold.	669
broidered handkerchiefs and scarfs.	665	517. Woman's Board, Mexico.	Cambric
499. Vallote, Louisa, Durango.	Em-	needlework.	665
broidered silk cushion.	669		

## Manufactures.

Exhibit No.	Class'n No.
518. Woman's Board of the Federal District, Mexico. Embroidered handkerchiefs.	665
519. Women's Society of San Ignacio, Sinaloa.	
<i>a</i> Lace.	664
<i>b</i> Drawn work trimming for skirts, crocheted towel, and embroidered handkerchief and cushion cover.	665
520. Yarto, Maria de, Coahuila. Pillow cover and linen embroidery.	665
521. Ubana, Clotilde, Sonora. Embroidered handkerchief with English lace.	665
522. Zamora, Carmen, Nuevo Leon. Child's embroidered ljb.	665
523. Zamora, Maria, Colima. Embroidered scarf.	669
524. Zarzuela, Matilde, Sinaloa. Gold embroidered altar cloth.	669
525. Zarzuela, Sahara, Sinaloa. Open work cushion.	665
526. Zatarano, Dolores, Durango. Plush table cover with fancy decoration.	669
527. Zoyatzin, Maria A., Tlaxcala.	
<i>a</i> Lace handkerchief.	664
<i>b</i> Embroidered scarf.	665
528. Zuloaga, Marianna, Chihuahua. Embroidered wreath of flowers and piece of embroidered velvet.	669

## GROUP 107.

529. Cortez, Juana, Mexico. Hair work.	672
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## GROUP 108.

530. Alduenda, Dolores, Sinaloa. Handkerchief bag.	680
531. An Indian woman, San Luis Potosi. Purses and cigar holders of pineapple fibre.	680
532. Berlanga, Luz, Coahuila. Embroidered handkerchief bag.	680
533. Bosque de Lopez, Dolores, Coahuila. Bag.	680
534. Escarza, Francisca, Morelos. Handkerchief bag.	680
535. Escudero, Sodia, Sinaloa. Painted handkerchief bag.	680
536. Galera, Dominga, Yucatan. Hammock.	676
537. Galera, Pastora, Yucatan. Hammock.	676
538. Gallegos, Angela C. de, Mexico. Satin purse with bead work.	680
539. Garcia, Ana G., San Luis Potosi. Bags.	680

Exhibit No.	Class'n No.
540. Gonzalez, Acelia, Zacatecas. Lace trimmed handkerchief bags.	680
541. Graf, Rosa O. de, Mexico. Plush handkerchief case.	680
542. Indian Woman, Zacatecas. Bag.	680
543. Lopez, Berta, Durango. Woolen bags.	680
544. Mexican Government, Chiapas. Cigar holders.	680
545. Mexican Government, Oaxaca. Box with gold and silver decorations.	680
546. Peyro, Teofila, Sinaloa. Fancy basket.	680
547. Quinones, Narcisa, Yucatan. Box made of corn-husk.	680
548. Reyes, Aurelia de, Michoacan. Handkerchief case.	680
549. Rodriguez, Petronila, Yucatan. Hammock.	676
550. Rojas, N., San Luis Potosi. Bags.	680
551. Sigona, Maria, Coahuila. Knitted silk purse.	680
552. Tagle, Refugio, Mexico. Ribbon sachet bag.	680
553. Talamon, Maria, Jalisco. Handkerchief case.	680
554. Woman's Auxiliary Board, Mexico. Painted sachet bag.	680
555. Zaapedro Inderina, Campeche. Hammock.	676

## GROUP 110.

556. Arce, Luz N. de, Guerrero.	
<i>a</i> Painted toys varnished with "axe" with "axe."	680
<i>b</i> Painted wooden boxes varnished with "axe."	680
557. Avalos, Domitila, Puebla. Egg shell decorated with gold.	680
558. Castell, Amalia, Colima. Satin basket.	680
559. Delgado, Dolores A. de, Durango. Frame with fancy paper work.	680
560. Del Rio, Maria, Campeche. Cross of shells.	680
561. Esteves, Rafaela. Pith pictures.	680
562. Fernandez, Natividad, Zacatecas. Decorated egg shells.	680
563. Figuerra de Esperon, Trinidad, Mexico. Four figures in camalota.	680
564. Galvan, Concepcion, San Luis Potosi. Horse hair sketches.	680
565. Gutierrez, Amalia, Mexico. Moss, pith and yesca pictures.	680
566. Hall de Miroles, Isabel, Mexico. Wooden heart a toy.	680
567. Herrera, Misses Hidalgo de, Mexico. Wax work vegetables.	680

## Manufactures, Fine Arts.

Exhibit No.	Class'n No.
568. Lanz de Castello, Josefa, Campeche.	
Fish scale work.	695
569. Licea, Maria, Mexico. Picture in bead work.	695
570. Luna, Luisa, Mexico. Plush box with six little pieces of furniture.	693
571. Martinez, Paz, Mexico. Pith picture.	695
572. Mexican Government, Chiapas. Rattle box toys.	693
573. Mexican Government, Colima. Figures modeled in "chikle."	695
574. Mexican Government, Mexico. Cards with feather work.	695
575. Mexican Government, Michoacan. Figures made of camalote and paper work pictures.	695
576. Mexican Government, Oaxaca.	
a Pottery toys.	693
b Figures made of camalote, pictures made of papotillo and pith and cloth and linen vestments ironed in designs.	695
577. Pavon, Tomasa, Campeche. Card case in shell work.	695
578. Perez, Maria, Campeche. Shell work.	695
579. Ramos, Elodia, Yucatan. Silk dolls.	693
600. Rios de Morales, Carmela, Campeche. Shell work.	695
601. Rodriguez, Brigida, Sinaloa. Clay figures.	695
602. Rosaco, Antonia, Campeche. Watch case and picture frame made of wood shavings.	695
603. Teachers of the Normal School, Mexico. Three pictures in moss and feathers.	695
604. Valle, Rosario, Campeche. Shell work.	695
605. Woman's Committee, Campeche. Box made of shells.	695
606. Zendejas, Adela, Mexico. Picture made of paper cut with scissors.	695

## GROUP 111.

607. Woman's Auxiliary Board, Mexico. Table cover with leather decoration.	705
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## GROUP 121.

607a. Gonzalez, Matilde, Colima. Shell work.	
608. Lopez, Beatriz, Mexico. Picture made of yesca.	
609. Martinez, Leonor, Mexico. Fruit dishes with wax work.	

Exhibit No.	Class'n No.
610. Ocevedo, Refugio, Mexico. Moss picture.	
611. Romero, Maria, Mexico. Picture made of moss.	

## DEPT. K.—FINE ARTS.

## GROUP 139.

Gonzalez de Olasagarre, Ines, Jalisco.	
612. Twelve plaster busts.	820

## GROUP 140.

Acosta, Eloisa, Jalisco.	
613. Views in Guadalajara.	
614. Fruit piece.	
615. Interior of a house in Guadalajara.	
Aguilar, Manuela, Zacatecas.	
616. Two oil paintings.	
Almazan, Guadalupe, Puebla.	
617. Mt. Ixtaccihuatl.	
618. A juggler.	
Bolado de Diaz, Angela, Aguascalientes.	
619. Oil painting.	
Camacho, Carlota, Mexico.	
620. Oil painting.	
Casteneda, Herminia, Tlcala,	
621. Oil painting.	
Colombes, Esther D., Puebla.	
622. Landscape.	
Cosio, Ana Q. de, Queretero.	
623. Landscape.	
Cosio, Dolores G. de, Queretero.	
624. The Holy Family.	
625. Study from Indian Life.	
626. Landscape.	
Cueto, M. de Jesus, Durango.	
627. Two Chair Sellers.	
628. The Discovery of Pulque.	
629. The Interior of a Chapel.	
Escalante, Julia, Mexico.	
630. Three oil paintings.	
Fuentes, Muniz I., Mexico.	
631. Two oil paintings.	
Garcia, Guadalupe, Durango.	
632. Oil painting.	
Garcia Vorres, Matilda, Mexico.	
633. Three oil paintings.	
Lamadrid, Guadalupe, Puebla.	
634. Interior of a Convent.	
Little Ruiz, Josefina, Mexico.	
635. Oil painting.	
Lopez, Carmen, Yucatan.	
636. Oil painting.	

## Fine Arts, Liberal Arts.

Exhibit  
No.

- Lucio de Hernandez, Eulalia,  
Mexico.
637. Oil painting.  
Mallet Prevost, Maria, Yucatan.
638. Two oil paintings.  
Mexican Government, Oaxaca.
639. Picture representing Indian types.  
Rebeel, Maria, Mexico.
640. Two oil paintings.  
Sanchez, Leonor, Mexico.
641. Mexican type.  
Secena, Clara, Puebla.
642. Landscape.  
Suarez, Maria, Mexico.
643. Four oil paintings.  
Toscano, Isabel, Jalisco.
644. Marine view.  
Usandizaga, H. de, Mexico.
645. Two oil paintings.  
Valdez, Esequia, Coahuila.
646. Landscape.  
Valles, Eulalia, Durango.
647. Three oil paintings.  
Velarde Guadalupe, Puebla.
648. Landscape.  
Vieytez, Rebeca, Queretero.
649. Landscape.

## GROUP 141.

- Arechiza, Maria, Zacatecas.  
Three water colors.
650. Cosio, Ana Q. de, Queretero.
651. Landscape.  
Cosio, Marta Q. de, Queretero.
652. Landscape.  
Guintero, Eugenia, Colima.
653. Flowers.  
Herrera, Teresa, Queretero.
654. Landscape.

## GROUP 142.

655. Chavero, Sahara, Mexico.  
Oil painting on satin.
656. Falamon, Maria, Oaxaca.  
Painted scarf.
657. Guintero, Eugenia, Colima.  
Satin cushion painted in oil.
658. Maldonado, Angela de, Sonora.  
Oil painting on velvet.
659. Mendoza, Jesus, Chihuahua.  
Painted cushion cover.
660. Mexican Government, Oaxaca.  
Painted satin bag and oil painting on glass.
661. Pliego, Maria, Mexico.  
Painted handkerchief.
662. Schmitlein, Gertrudis, Mexico.  
Paintings on onyx.

## GROUP 144.

Exhibit  
No.

663. Canedo, Maria, Mexico.  
A drawing.
664. Davila, Dolores, Oaxaca.  
Pencil portrait of President Diaz
665. Duran, Manuela, Mexico.  
Table cover with pen sketches.
666. Escarzaga, Remedio, Durango.  
Pencil portrait of Moreles.
667. Gutierrez, Ana, Campeche.  
Pencil drawings.
668. Mexican Government.  
Portrait in pencil drawing.
669. Perrusquia, Rosa, Queretero.  
Drawing—"Hunting Scene."
670. Prindis, Dolores, Durango.  
Pencil portrait of Juarez.
671. Rosado, Dolores, Yucatan.  
Pencil portrait.
672. Santa Maria, Dolores, Durango.  
Pencil portrait of Hidalgo.
673. Solana, Isabel, Mexico.  
Pen and ink sketch. "Pansies."
674. Zarzuela, Matilde, Sinaloa.  
Handkerchiefs with ink sketches.

## DEPT. K.—LIBERAL ARTS.

## GROUP 147.

675. Ursula, Juana, Jalisco.  
Report of the asylum of Guadalajara

## GROUP 149.

676. Art School of Toluca. Caravel Santa  
Maria, made of artificial flowers.
677. City School of Ocampo, Zacatecas.  
Driving reins.
678. City School, San Luis Potosi. Cot-  
ton stockings.
679. College of "La Purisima," Vera  
Cruz. Silk embroidered cushion.
680. Elementary School No. 3, Vera Cruz.  
English lace handkerchief.
681. High School for Girls, Orizaba, Vera  
Cruz. Embroidered handkerchiefs, fox  
stool and table cover, and child's shirt and  
belt.
682. Girls' School, Sonora. English lace  
and silk embroidered pineapple handker-  
chiefs.
683. High School for Girls, Vera Cruz.  
English lace handkerchief.
684. Infant Department of Normal School,  
Mexico. Sepia drawings on white satin.

## Liberal Arts, Forestry.

Exhibit No.	Class'n No.
685. Lyceum for Girls No. 1, Vera Cruz. Lace handkerchiefs.	843
686. Normal School, Oaxaca. Embroidered coverlet and silk dress.	852
687. Normal School of Toluca. Linen and silk embroidery, fruit dish of silver filagree, infant's wardrobe, samples of plain sewing and cutting.	852
688. Normal School for the Blind, Mexico. Crochet work.	849
689. Pupils of the School of Arts and Industries, Mexico. Easel with velvet frame and flowers in application.	846
690. Teachers of the Normal School, Puebla. Woolen mantle (sarape).	852

## GROUP 150.

691. Agraz, Maria Ignacia, Jalisco. Poems.	854
692. Aniola, Adela, Sonora. Poems.	854
693. Arriaga, Maria, Mexico. Essay read at the College of Mary and poem.	854
694. Barragan de Toscano, Refugio, Jalisco. Poems and drama.	854
695. Calleja, Soledad, Jalisco. Poem.	854
696. Carrasco, Mercedes, Mexico. Poem.	854
697. Castillo, Concepcion, Mexico. Poem.	854
698. Diaz, Salvador, Jalisco. Poems.	854
699. Ferrochio, Consuelo, Oaxaca. Poems.	854
700. Guerrero, Dolores, Durango. Poems.	854
701. Larranzar, Enriqueta and Ernestina, Mexico. Books.	854
702. Leon, Cecilia G. de, Nuevo Leon. File of paper—"The Voilet."	854
703. Matute, Margarita, Jalisco. Essay.	854
704. Orozcoy, Guadalupe, Oaxaca. Poems.	854
705. Santaella, Maria, Oaxaca. Poems.	854

Exhibit No.	Class'n No.
706. Tapia de Castellanos, Esther, Jalisco. Poems and children's songs.	854
707. Tenorio y Zetina, Senioritas, Yucatan. Poems.	854
708. Valle, Sofia del, Oaxaca. Poems.	854
709. Villegas, Teresa, Sinaloa. Paper published by the "Independence College."	854

## GROUP 151.

710. Asylum of Guadalajara. Photographs.	871
711. Herrera, Maria, Queretero. Colored photographs.	871
712. Laguna, Francisca, Sonora. Photographs.	871

## GROUP 158.

713. Flores Moreno, Isabel, Mexico. Piece of music.	926
714. Gonzalez, Augustina, Mexico. Piece of music.	926
715. Gonzalez, Luz, Mexico. Piece of music.	926
716. Rodriguez, Adela, Durango. Piece of music for piano.	926
717. Traconis, Luisa, Yucatan. Guitar.	928

## DEPT. N.—FORESTRY.

## GROUP 19.

718. Mexican Government, Chiapas. a Painted gourds and bowls.	107
b Straw vase.	111
719. Pugibet, Ernesta, Mexico. Cigar boxes.	110
720. Rodriguez, Maria, Campeche. Basket of corn leaves.	111
721. Saltillo, Misses del, Coahuila. Basket for baptism.	111
722. Sucesores, Noriega, Mexico. Cigar boxes.	110

# NEW SOUTH WALES.

LOCATION—North Wing, D-F, 2.

Agriculture, Horticulture, Live Stock, Manufactures.

## DEPT. A.—AGRICULTURE.

### GROUP 18.

Exhibit No.		Class'n No.
1.	Parrott, Mrs. Beef candles.	97

## DEPT. B.—HORTICULTURE.

### GROUP 21.

2.	Fischer, Miss G. F. C., Sydney. Jams and jellies.	141
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### GROUP 23.

3.	Williams, Mrs. T. R., Brown's Creek. Sauces.	177
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## DEPT. C.—LIVE STOCK.

### GROUP 34.

4.	New South Wales Committee. a Lyre bird's tails.	229
	b Stuffed birds; mounted swans.	230

### GROUP 35.

5.	New South Wales Committee. Butterflies.	235
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### GROUP 36.

6.	New South Wales Committee. Stuffed and mounted animals.	236
7.	Rohu, Mrs. Ada J., Sydney. Apteryx.	236

## DEPT. H.—MANUFACTURES.

### GROUP 90.

8.	New South Wales Commission. Hand-painted screen.	568
9.	Paterson, Mrs. J. Hand-painted screen.	568
10.	Windeyer, Lady. Fire screen, na- tive companion.	572

### GROUP 91.

11.	Deane, Miss M. E. Plaques.	574
12.	Stephen, Miss. Terra cotta plaque.	574

### GROUP 101.

Exhibit No.		Class'n No.
13.	Fischer, Mrs. Carl. Grass mats, baskets and hammock; aboriginal work.	635
14.	New South Wales Commission. Grass basket and aboriginal bag.	635

### GROUP 102.

15.	Punch, Mrs. Handkerchief.	639
16.	Twynam, Miss. Counterpane.	639

### GROUP 104.

17.	Clarke, Miss Mabel. Underwear.	657
18.	Dadley, Mrs. Robes.	657
19.	Davenport, Miss. Underclothing.	657
20.	Ellis, Mrs. Child's frock, smocked.	657
21.	Garrett, Mrs. Knitted socks and stockings.	657
22.	Harris, Mrs. Matthew. Knitted lace shawl.	657
23.	Head, Miss Georgina. Underwear.	657
24.	Maher, Mrs. Child's frock, smocked.	657
25.	Maund, Miss L. Child's pinafore.	657
26.	New South Wales Commission. a Baby's robe, fur trimmed costume, tweed gown and vest.	657
	b Cabbage tree hats.	657
	c Hoods.	657
	d Knitted shawl.	657
27.	Orr, Mrs. F. Tea gown, smocked.	657
28.	Scott, Miss. Underclothing.	657
29.	Scott, Miss J. Underclothing.	657
30.	Terry, Miss. Child's blouse.	657
31.	Windeyer, Lady, Sydney. a Underwear and knitted shawl.	657
	b Collars and cuffs.	657

### GROUP 105.

32.	McCarthy, Miss. Dingo skin mat with head.	661
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## Manufactures, Fine Arts.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
33. New South Wales Commission.		60. Scott, Mrs. Point lace collarette.	664
a Rugs of skins and furs.	660	61. Sheldon, Mrs. Crochet petticoat.	665
b Mats of opossum tails and emu skins; foot-warmer.	661	62. Stack, Miss. Drawn silk work.	665
c Fur collars, cuffs, muffs and collarettes.	662	63. Steffanoni, Miss. Bullion embroidery.	669
34. See, Mrs. John. Rug of 456 opossum tails.	661	64. St. Vincent Hospital. Embroidered curtains.	670
35. Windeyer, Lady, Sydney.		65. Vincent, Miss. Modern point lace.	664
a Opossum rug.	661	66. Waddy, Mrs. Pillow covers.	665
b Cap of golden-breast water rat.	662	67. Watkins, Mrs. J. Specimens of netting.	665
GROUP 106.		68. Windeyer, Lady, Sydney.	
36. Alderton, Miss. Chemise.	665	a Lace	664
37. Allwood, Miss. Mantle border.	669	b Embroidery; drape for shelf.	665
38. Belisario, Miss. Hand-painted fan.	667	69. Wisby, Mrs. Lace handkerchief.	664
39. Bruton, Miss M. A. Gold embroidered stole.	669	GROUP 108.	
40. Burns, Mrs. J. F. Drawn thread and lace handkerchiefs.	664	70. Mullins, Mrs. Albums.	680
40a. Butler, Louisa C. V.. Sydney. Gutta percha wild flowers.	666	71. New South Wales Committee. Shark's back walking stick.	681
41. Collins, Mrs. Crochet lace.	665	72. Stephen, Miss F. E. C. Work bag.	680
42. Dadley, Mrs. Needle work.	665	GROUP 110.	
43. Daunt, Mrs. Specimens of knitting.	665	73. Marsh, Miss Sybil. Doll.	693
44. Davenport, Miss. Darning.	665	74. New South Wales Committee. Dressed doll.	693
45. Donnelly, Mrs. Crochet.	665	GROUP 111.	
46. Fischer, Mrs. Carl. Balma: girls' point lace bibs; guipure handkerchief; lace.	664	75. Singleton, Miss. Heraldic embossing.	705
47. Freeman, Miss A. Modern point and case lace.	664	76. Wensley, Miss. Heraldic embossing.	705
48. Guille, Mrs. Old lace.	664	GROUP 121.	
49. Hall, Mrs. J. Samples of darning.	665	78. Cohen, Mrs. Animals, modeled.	
50. Harris, Mrs. M. Fancy netting.	655	79. Fischer, Mrs. Carl. Jardiniere in imitation mosaic.	
51. Hayley, Mrs. Samples of darning.	665	80. Gilmour, Miss. Doll's outfit.	
52. Kendall, Mrs. T. Mailer. Lace handkerchief.	664	81. Harris, Mrs. Animals, modeled.	
53. McCarthy, Miss, Sydney.		82. McMyles, Mrs. Picture of flowers in feather work.	
a Lace scarf.	664	83. New South Wales Committee. Imitation Roman mosaic.	
b Leather bracket flowers.	666	84. Whyte, Miss Marion. Camicole.	
54. Maund, Miss L. Swiss darning.	665	DEPT. K.—FINE ARTS.	
55. Moorhouse, Mrs. Tatting.	665	GROUP 139.	
56. Nesbitt, Miss. Samples of darning.	664	85. New South Wales Committee. bust.	
57. New South Wales Committee.			
a Drawn linen tea cloth.	665		
b Fish scale flowers.	666		
c Embroidered fire screen and book cover.	669		
58. Overman, Miss. Roumanian work.	665		
59. Palmer & Green, M'mes. Bullion flowers.	666		

## Fine Arts, Liberal Arts, Ethnology, Forestry.

## GROUP 140.

Exhibit No.	Class'n No.
86. McIlwaine, Mrs. Landscape.	
87. Mosley, Miss E. Oil painting.	
88. Overman, Miss. "Quiet Nook."	
89. Saxby, Miss. Landscape.	
90. Williamson, Mrs. Weldon. Panel, wild flowers.	

## GROUP 141.

91. Alford, Miss. Water color pictures.	
92. Clarke, Miss. Water color.	
93. Halligan, Mrs. Water color.	
94. Paterson, Mrs. J. Water colors of wild flowers.	
95. Seton, Mrs. Water color miniature.	
96. Willis, Miss. Group of Flowers.	

## GROUP 142.

97. New South Wales Commission. Painting on opal points; miniature.	
98. Seton, Mrs. Miniature on ivory—Sir W. and Lady Windeyer.	

## DEPT. L.—LIBERAL ARTS.

## GROUP 147.

100. Sick Children's Hospital. Dolls in uniform; invalid doll in cot.	832
101. St. Vincent Hospital. Dolls in uniform.	832

## GROUP 150.

102. Felton, Miss Myra. Books.	854
103. Fitzgerald, Miss M. A. Books.	854

Exhibit No.

104. Wilson, Miss F. A., Dubbo. Illustrated ode.	Class'n No. 84
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## GROUP 151.

105. New South Wales Commission. Photographs of Federation Convention.	87
106. Pedley, Miss E. C. Photographs.	87
107. Praeger, Madame. Photographs.	87

## GROUP 158.

108. Charbonnet-Kellerman, Mme., Sydney. Music.	93
109. Paige, Miss Minnie. Music.	93
110. Summerbell, Miss A. M. Music.	93

## DEPT. M.—ETHNOLOGY.

## GROUP 172.

111. Fischer, Mrs. Carl, Sydney. Statistics of woman's industries, 1888.	
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## DEPT. N.—FORESTRY.

## GROUP 19.

112. Abbott, Lady, North Sydney. Collection of woods.	Col- 89
113. Kelly, Mrs. T. H., Sydney. Collection of woods.	90

## NORWAY.

LOCATION—Rotunda, S. W., Case 23, unless otherwise specified.

## Manufactures, Liberal Arts.

## DEPT. H.—MANUFACTURES.

## GROUP 90.

Exhibit No.	Class'n No.
1. Schartvedt, Miss Inga, Christiania. Sample of curtains.	568
2. Weneg, Johanne and Ragna, Christiania. Curtains. E. gal., Sec. M	568

## GROUP 96.

3. Borchgrevink, Miss, Christiania. Carved wood calendar staff and paper cutters.	598
4. Raeder, Kirsten, Christiania. Carved wood portfolio and plate.	598
5. Soborg, Miss, Grorud. Carved wood models of Borgund's church, built in 110 and the Vikingship, excavated at Gostad.	

## GROUP 103.

6. Djonne, Gundbor, Hardanger. a Samples of homespun yarn. b Samples of vadmél, woolen woven by hand.	
7. Djonne, Ingeborg, Hardanger. Samples of vadmél, woolen cloth by hand.	

## GROUP 104.

8. Bing, Helga, Baerum.	
9. Kroshangen, Thora, Borge. Mittens.	

## GROUP 109.

10. Berg, Kaja, Christiania. Brodered underwear.	
11. Bergwitz, Nleidam. Samples of lace.	
12. Bruenech, Miss E.	
13. Eide, Mrs., Sovde. Small pieces of tapestry.	
14. Hansen, Mrs. Tapestry.	
15. Hjelmeland, Mrs. Shirt and apron.	

Exhibit No.	Class'n No.
16. Hornemann, Fredrikke, Christiania. Artificial flowers.	666
17. Jamsgaard, Tjodvor, Christiania. Tapestry portiere. E. gal., Sec. M	670
18. Petersen, Petrine, Christiania. Night shirt.	665
19. Stabel, Helene, Christiania. Gold and silver embroidered chatelaine.	669
20. Thams, Elsa, Christiania. a Lace for chemise. b Rococo embroidered cushion.	664 665

## GROUP 111.

21. Barth, Marie, Christiania. Purse, scissors case and other leather work.	705
Barth, Olea, Christiania. Portfolio of leather.	705
Barth, Christiania. Gilded	705

## LIBERAL ARTS.

Exhibit No.	Class'n No.
1. Caldwell, Miss Hattie. Lace made from Faya fibres.	
2. Hancy, Mrs. Regina. silk, representing an Andalusian Holy Family, embroidered in the 18th century, in colored silks, by the	
3. L.—LIBERAL ARTS. a Hancy, Mrs. Regina. silk, representing an Andalusian Holy Family, embroidered in the 18th century, in colored silks, by the	
4. Educational text-books in Siamese	
5. Photographs.	

## GROUP 150.

## GROUP 151.

## SPAIN.

LOCATION—South Wing, B-D, 5-6, unless otherwise specified.

Agriculture, Fish and Fisheries, Machinery, Manufactures.

## DEPT. A. AGRICULTURE.

## GROUP 2.

Exhibit No.	Class'n No.
1. Ginea y Ortiz, Adela, Madrid. Samples of wheat starch.	16

## GROUP 8.

2. Operatives of the Tobacco Factory of the Compania Arrendataria de Tabacos, Madrid.	
a Cut tobacco of all grades.	51
b Cigars and cigarettes (Canary Islands).	52

## GROUP 9.

3. Cortes, Baroness de, Valencia.	
a Hemp, with objects showing manner of working it.	59
b Silk cocoons.	61
4. Llobregat, Countess de, San Sebastian. Cocoons.	61
5. Woman's Committee, Zaragoza. Samples of hemp and silk.	59

## DEPT. B. FISH &amp; FISHERIES

## GROUP 28.

6. Cortes, Baroness de, Valencia. Nets used in the Bay of La Alfranca.	537
7. Llobregat, Countess de, San Sebastian. Nets used in the Bay of La Alfranca.	537

## DEPT. F. MACHINERY.

## GROUP 72.

8. Llobregat, Countess de, San Sebastian. Sewing machine.	47
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## DEPT. H. MANUFACTURES.

## GROUP 99.

9. Lator, Maria, Barcelona. Paper.	575
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Exhibit No.	Class'n No.
10. Superunda, Countess de, Madrid. Box of perforated paper.	575

## GROUP 91.

12. Cortes, Baroness de, Valencia. Jardinieres and jars of Manises pottery.	575
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## GROUP 92.

13. Gonzalez, Pilar and Dolores, Barcelona. Flowers made of iron.	585
14. Llobregat, Countess de, San Sebastian. Gold and silver inlaid articles of iron from Eibar.	590

## GROUP 100.

16. Cortes, Baroness de, Valencia. Silk.	625
17. Woman's Committee, Orense. Handkerchief of silk and wool.	630

## GROUP 101.

18. Gonzalez Gragera, Juliana, Villafra de las Barros. Pineapple fibre handkerchief.	634
19. Woman's Committee, Zaragoza. Handkerchief of pineapple fibre.	634

## GROUP 102.

20. Gonzalez Gragera, Juliana, Villafra de las Barros. Holland linen handkerchief.	637
21. V. del Prado, Teresa, Jaen. Knives made of wood and bone.	639
22. Woman's Committee, Orense. Linen handkerchief.	639

## GROUP 103.

23. Mera Bastida, Madrid. Knotted rug.	647
24. Woman's Committee, Orense. Fur vest made of wool and women.	641

## GROUP 104.

25. Aguado, Marchioness de, Madrid. Lace made of cotton and silk.	653
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Manufactures.

Exhibit No.	Class'n No.
6. Bailen, Duchess de, Madrid. Life-size figure in native costume of Lagarterana. E gal., Sec. M	653
7. Comillas, Marchioness de, Madrid. Life-size figure in the costume of a child's nurse from the Santander Mountain. E gal., Sec. M	653
8. Cortes, Baroness de, Valencia.	
a Mantles.	653
b Men's caps.	654
c Hemp slippers.	656
d Woolen shirts.	657
9. Font, Maria, Palma de Mallorca. Stockings.	657
10. Llobregat, Countess de, San Sebastian.	
a Two dolls dressed in male and female costumes of Guipuzcoa, and children's clothing.	653
b Leather shoes.	656
11. Monterron, Countess de, Madrid. Life-size figure in costume of a peasant of the province of Salamanca. E gal., Sec. M	653
12. Operatives of the Shoe Factory of Pedro Lain, Zaragoza. Shoe uppers ready for soling.	656
13. Superunda, Countess de, Madrid.	
a Complete Mozanaga costume and life-size figures in the costumes of Gallego, Galicia and the valley of the Ambles. E gal., Sec. M	653
b Straw hats, such as are worn by peasant women of Solana.	654
14. Traversi, Teresa, Madrid. Life-size figure in the costume of woman of Alicante. E gal., Sec. M	653
V. del Prado, Teresa, Jaen.	
a Mantilla and apron such as are worn by the women of Jaen; embroidered amice and scapulary.	653
b Hand-knitted stockings.	657
Women's Committee, Barcelona. Life-size figure in the Catalanion costume. E gal., Sec. M	653
Women's Committee, Orense.	
a Surplice	653
b Samples of stocking knitting.	657
Woman's Committee, Santander. Doll dressed in typical mountain costume.	653
Woman's Committee, Zaragoza.	
a Corsets.	653
b Hemp soles and sandals.	656

Exhibit No.	Class'n No.
broidered on satin by the pupils of the Casa de Benificencia in Valencia; embroidered portraits of H. M. Queen Isabel II, and H. M. King D. Francisco de Asis.	669
41. H. R. H. the Infanta Dona Isabel, Madrid. Embroidered satin cushion.	669
42. Adoring Sisters, Barcelona. Table cover and mat embroidered in gold.	669
43. Alba, Duchess de, Madrid. Embroidered cushion.	669
45. Alcaniz, Crescencia, Madrid. Lace yoke for chemise.	664
46. Alquibla, Marchioness de, Madrid. Embroidered picture of the Court of the Bath of the Alhambra in Grenada, by Adela Garran; netted and embroidered handkerchiefs and coverlet and ecclesiastical embroideries.	669
47. Andrada, Maria, Casar. Handkerchief embroidered in silk.	665
48. Aragon, Amparo, Barcelona. Picture embroidered in silk.	669
49. Aran, Buenaventura, Palma de Mallorca.	
a Embroidered handkerchiefs.	665
b Table cover embroidered in silk.	669
50. Arostegui, Dolores, Madrid. Art embroidery.	669
51. Azcano, Ascension, Madrid. Embroidered screen.	669
52. Bello, Clara, Madrid. Embroidered lamp mat.	669
53. Calamita, Maria, Madrid. Embroidered reticule.	669
54. Calopa, Matilde, Barcelona. Catalan laces.	664
55. Chamizo, Evangelina, Madrid. Embroidered handkerchief box.	665
56. Cirer, Margarita, Palma de Mallorca. Embroidered handkerchiefs.	665
57. Community of the Adoring Women, Madrid. Drawn work.	665
58. Cortes, Baroness de, Valencia.	
a Gold and silver lace.	664
b Embroideries.	665
c Fans.	667
59. Crespi y Ximenis, Palma de Mallorca. Embroidered handkerchiefs.	665
60. Criado, Juana, Caceres. Embroidery.	665
61. Cusach, Rosa, Palma de Mallorca. Embroidered handkerchief.	665
61a. Dabney, Mrs. Drawn work by poor women in the Canary Islands.	665
62. Delgado, Eustaquia, Madrid. broidered piano stool.	
63. Duran, Catalina, Palma de Mallorca. Embroidery.	

GROUP 106.

H. M., the Queen Regent of Spain, Dona Maria Cristina, Madrid. Portrait of His Majesty, King Alfonso XII, em-

## Manufactures.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
64.		87.	
Empleyes of the House of Antolin Sunol, Barcelona. Fine linen sheets and pillow cases, embroidered in relief.	669	Mazon, Concepcion, Madrid.	665
65.		a Embroidery.	665
Feliu, Isabel, Palma de Mallorca. Handkerchief embroidered in relief and drawn work towels.	665	b Embroidered chasuble and banner.	669
66.		88.	
Fernandez, Ramona, Madrid. Embroidered glove box.	669	Menchaca, Enriqueta, Barcelona. Linen embroidery.	665
67.		89.	
Fiter, Widow & Sons of Jose, Barcelona. Laces.	664	Mendez, Adelina, Madrid. Embroidered handkerchief bag.	669
68.		90.	
Garcia Agundez, Angela, Caceres. Drawn work handkerchief.	665	Mendez, Elvira, Madrid. Embroidered glove box.	668
69.		91.	
Garcia de la Cruz, Rafaela, Madrid. Tapestry representing the discovery of America.	670	Mitjavile, Clotilde, Madrid. Towel, handkerchief and specimens of darning.	665
70.		92.	
Garcia Diez, Pilar, Madrid. Art embroidery.	669	Monlau, Senora de, Palma de Mallorca. Gold and silver embroidery.	669
71.		93.	
Garcia Lorenzo, Mercedes Micaela, Guadalajara. Embroidered sheet, pillow and shield.	669	Moreno, Mercedes, Palma de Mallorca. Scarf, dress for the Virgin and chair, embroidered with pearls and coral.	669
72.		94.	
Gimenez, Alberta, Palma de Mallorca. Embroidered pictures and coats of arms.	669	Novalles, Teresa, Madrid. Embroidered handkerchief bag.	669
73.		95.	
Gonzalez, Dona Carmen, Madrid. Shield embroidered in gold, silver and silk.	669	Nuns of the College of the Divine Savior, Barcelona. Embroidered pictures and relief embroidery.	669
74.		96.	
Gonzalez Gragera, Juliana, Villafranca de las Barros. Embroidered sheets.	665	Nuns of the Convent of Our Lady and Divine Teacher, Barcelona. Chasuble and other articles used in celebrating mass, embroidered in silk and gold.	669
75.		97.	
Gonzalez, Herrera, Justina, Madrid. Embroidered chair.	669	Ochoa, Pilar, Madrid. Embroidered cushions.	669
76.		98.	
Gonzalez Sanchez, Exuperancia, Rodrigo City. Pineapple handkerchief embroidered in relief.	669	Oliver, Francisca, Palma de Mallorca. Embroidered pillow case.	669
77.		99.	
Gutierrez, Maria, Bilbao. Artistic embroidery on pineapple fabric.	669	Pardo Bazan, Emilia, Madrid. Lace.	664
78.		100.	
Lascoiti, Countess de, Madrid. Embroidery from the Almshouse and the College of San Jose de Burgos.	665	Picazo, Victoria, Madrid. Drawn work and piece of antique knitting with specimens of unfinished work, showing process.	665
79.		101.	
Lezcano y Ablanado, Lucila, Madrid. Embroidered handkerchief.	665	Piera, Antonia, Madrid. Embroidered handkerchief box.	665
80.		102.	
Llobregat, Countess de, San Sebastian.		Pina, Josefa, Palma de Mallorca. Embroidered towel and handkerchief.	665
a Lace.	664	103.	
b Handkerchiefs.	665	Pineiro, Concepcion, Madrid. Embroidered picture.	669
c Art embroidery, including a surplice and portrait of their Majesties.	669	104.	
81.		Prieto, Polonia, Madrid. Embroidered sheet trimmed with Almagro lace and perfume case with crape handkerchief.	665
Lopez Lleo, Purificacion, Madrid.		105.	
a Lace handkerchief.	664	Robert, Luisa, Alicante. Scotch linen sheet embroidered in relief.	665
b Embroidered pillow.	665	106.	
82.		Robuster, Dolores, Madrid. Silk embroidery.	669
Manzanos, Trinidad, Miranda de Ebro. Embroidered linen handkerchief.	665	107.	
83.		Roca, Juana, Palma de Mallorca. Embroidered sheet and pillow cases.	665
Marcos, Sabina, Madrid. Embroidered pillow.	669	108.	
84.		Rodriguez, Sampedro, Virginia, Gijon. Embroidered bed linen, handkerchief of fifteenth century style, towels, etc.	665
Martin, Matilde Julia, Guadalajara. Embroidered handkerchiefs.	665		
85.			
Mas, Sancha, Palma de Mallorca. Crocheted shirt and towels.	665		
86.			
Mayayo, Candelaria, Madrid. Embroidered cushion.	669		

**Manufactures, Fine Arts,**

<b>Exhibit No.</b>	<b>Class'n No.</b>	<b>Exhibit No.</b>	<b>Class'n No.</b>
109.		127.	
<b>Rojo, Carmen, Madrid.</b> Embroidered copy of an ancient document, pillow and head of angel. 669		<b>Vilarcell, Carmen, Barcelona.</b> Artificial flowers. 668	
110.		128.	
<b>Romero, Melitona, Palma de Mallorca.</b> Velvet portiere embroidered with coat of arms and dress of the child Jesus embroidered in gold. 669		<b>Vilaro, Maria, Barcelona.</b> Catalanian pillow lace, with pillow attached. 664	
111.		129.	
<b>Rosa, Florencia de la, Madrid.</b> Breton lace made with a sewing needle. 664		<b>Villalonga, Catalina, Palma de Mallorca.</b> Silk embroidery. 669	
112.		130.	
<b>Royal College of St. Isabel, Madrid.</b> <i>a</i> English lace handkerchief. 664 <i>b</i> Shawl embroidered in gold and embroidered picture. 669		<b>Vives, Widow of Jaime, Barcelona.</b> Laces. 664	
113.		130a.	
<b>Royal Monastery of the Huelgas, Burgos.</b> Chasuble and altar front embroidered in gold by the girls of the San Jose workshop. 669		<b>Woman's Committee, Canary Islands.</b> <i>a</i> Drawn work and embroidery. 665 <i>b</i> Artificial flowers. 666	
114.		131.	
<b>Sagaz, Soledad, Palma de Mallorca.</b> Embroidered shirts. 665		<b>Woman's Committee, Orense.</b> Garters. 668	
115.		132.	
<b>San Segundo, Agueda, Salamanca.</b> Embroidered sheet. 665		<b>Woman's Committee, Zaragoza.</b> Crochet work. 665	
116.			
<b>Saz, Rosa, Madrid.</b> Embroidered table cover. 669		<b>GROUP 107.</b>	
117.		133.	
<b>Sensat, Rosa, Madrid.</b> <i>a</i> Almagro lace. 664 <i>b</i> Embroidered album cover, etc. 669		<b>Mondejar, Marchioness de, Madrid.</b> Tortoise shell combs. 676	
117a.		134.	
<b>Sivilla, Dolores, Barcelona.</b> Embroidery. 669		<b>Pellicer, Maria de los Dolores, Palma de Mallorca.</b> Hair work. 672	
118.			
<b>Superunda, Countess de, Madrid.</b> <i>a</i> English lace handkerchiefs. 664 <i>b</i> Embroidered cushion, sachet bag, pictures, etc. 669		<b>GROUP 108.</b>	
119.		135.	
<b>Suribar, Francisca, Madrid.</b> Pictures of gondolas embroidered by a new system. 669		<b>Cortes, Baroness de, Valencia.</b> Traveling bag. 678	
120.		136.	
<b>Tarifa, Duchess de, Madrid.</b> <i>a</i> Pillow lace. 664 <i>b</i> Embroidered cambric handkerchiefs. 665 <i>c</i> Embroidered black satin sofa pillow and Chinese embroidery. 669		<b>Woman's Committee, Zaragoza.</b> Handkerchief case. 680	
121.			
<b>Umbert, Antonia, Palma de Mallorca.</b> Handkerchiefs. 665		<b>GROUP 118.</b>	
122.		136a.	
<b>Umbert, Matilde, Palma de Mallorca.</b> Cambric handkerchiefs embroidered in relief. 669		<b>Royal Commission.</b> Fac-simile of the sword of Queen Isabella of Spain. 717	
123.			
<b>Uya, Carmen, Barcelona.</b> Embroidered pillow and handkerchief. 669		<b>GROUP 114.</b>	
124.		137.	
<b>Vallejo, Trinidad, Madrid.</b> Embroidered paper case. 669		<b>Garcia Alsina, Maria, Barcelona.</b> Crape lamp shades painted in water colors. 719	
125.			
<b>V. del Prado, Teresa, Jaen.</b> <i>a</i> Pillow with unfinished lace, showing method of making bobbin lace; lace handkerchief and bobbin lace. 664 <i>b</i> Knitted purse, linen embroidered sheet, towel, etc. 665		<b>GROUP 121.</b>	
126.		138.	
<b>Vernet, Dolores, Barcelona.</b> Embroidered sofa pillow. 669		<b>Tarifa, Countess de, Madrid.</b> Matches.	

## DEPT. K.—FINE ARTS.

### GROUP 140.

Exhibits in this Group are installed in S. E. and S. W. Rot. and Stairways.

H. M., the Queen Regent of Spain,  
Dona Maria Cristina, Madrid.

139. The Waking of the Child, by Senora de Banuelos.  
H. R. H., the Infanta Dona Isabel,  
Madrid.

140. Group of Children by Dona Aurora de Pedro.

## Fine Arts, Liberal Arts.

Exhibit  
No.

141. Monkey Sculptors by Dona Joaquina Serrano.  
 142. Plate of Fruit by Dona Adela Gines.  
 143. A Florist, by Dona Maria Luisa de la Riva.  
 144. A Bunch of Flowers by Maria Luisa de la Riva.  
 Alberti, Rosa, Palma de Mallorca.  
 144a. Painting.  
 Alcayde, Julia, Madrid.  
 145. A Lunch.  
 Alquibla, Marchioness de, Madrid.  
 146. Landscape.  
 147. Festival in a Hamlet of Albaicin.  
 Baquero, Eliza, Madrid.  
 147a. Portrait.  
 147b. Study of a Head.  
 147c. Magdalena.  
 Beruete de Moret, Maria, Madrid.  
 148. An Italian Village Girl by Dona Carlota Rosales.  
 Brokmann y Llanos, Elisa, Madrid.  
 148a. A Procession in the Cloister of San Juan de los Reyes in Toledo.  
 Canovas, Maria, Madrid.  
 149. View of the Casa de Campo at Madrid.  
 Coranty, Emilia, Barcelona.  
 149a. Collection of copies from old tapestries.  
 Cortes, Baroness de, Valencia.  
 150. Jesus Carrying the Cross.  
 151. Dolorosa.  
 152. Landscape.  
 Florez, Ines, Madrid.  
 153. Study of a Head, from Life.  
 Frances, Fernanda, Madrid.  
 154. On the Garden Bench.  
 155. Roses.  
 155a. Cangrajos (shell fish).  
 155b. Wild Flowers.  
 Gines y Ortiz, Adela, Madrid.  
 156. For a Grain of Wheat.  
 Gonzolez, Moro, Amparo, Palma de Mallorca.  
 157. View of Granada.  
 Llobregat, Countess de, San Sebastian.  
 158. Two landscapes.  
 159. Copy of a Head.  
 160. A Portrait.  
 161. Rural View.  
 O'Neill, Maria Antonia, Palma de Mallorca.  
 162. Marine View.  
 Pirala, Maria, Madrid.  
 162a. Shell Fish.  
 162b. Autumn Flowers.

Exhibit  
No.

- Rodriguez de Rivera, Maria, Madrid.  
 162c. Peaches and Grapes.  
 162d. Pansies and Geraniums.  
 Rodriguez Vereda, Enriqueta, Algorta.  
 163. Allegorical picture of the Royal Family.  
 Salazar, Madrid.  
 164. A Head.  
 School of Santa Isabela, Madrid.  
 164a. Copy of one of Murillo's Paintings.  
 Sonto, Concepcion, Coruna.  
 165. Peasant Girl of Galicia.  
 166. Good Friends.

## GROUP 141.

- H. M., the Queen Regent of Spain,  
 Dona Maria Cristina, Madrid.  
 166a. Flowers.  
 H. R. H., Infanta Dona Paz.  
 166b. Landscape.  
 166c. Portrait.  
 Calopa, Matilde, Barcelona.  
 167. Two water color sketches.  
 Houghten, Carrie, Madrid.  
 167a. Columbus received by the Catholic King and Queen.

## GROUP 142.

- Amarante, Countess de, Madrid.  
 168. Two painted miniatures.  
 Cortes, Baroness de, Valencia.  
 169. Landscape on porcelain and painted chasuble.  
 Melgar, Gloria, Madrid.  
 170. Five porcelain paintings.  
 Royal College of St. Isabel, Madrid.  
 171. Hand painted objects for sacred use illuminations on parchment and picture frames with portraits.

## GROUP 144.

- Llobregat, Countess de, San Sebastian.  
 172. Two pencil drawings.  
 Tarifa, Duchess de, Madrid.  
 173. Geographical and other drawings.

## DEPT. L.—LIBERAL ARTS.

## GROUP 147.

174. Maternity House, Barcelona. Incubator for children. 834  
 175. Orphan Asylum of the Sacred Heart of Jesus, Madrid. History of the founder. Dona Ernestina Manuel de Villena, and views of the establishment. 831

Liberal Arts.

GROUP 149.

Exhibit No.	Class No.
176. Administration of the Royal House, Madrid. Specimens of work and a box, embroidered in gold, containing a handkerchief and the portrait of H. M. the King, all executed by the girls of the School of Mines of Riotinto.	852
177. Coranty, Emilia, Barcelona. Design for a table cover for the presidential table of the provisional government of Barcelona.	852
178. Cordoba, Justa, Plasencia. Pen and ink map of the world, done at the age of 18, when teacher in high school.	851
179. Coromina, Encarnacion, Barcelona. Method of cutting and fitting garments.	848
180. Cortes, Baroness de, Valencia. a Photographs of college for deaf mutes and group of students, also objects used in instruction. b Copy books by pupils of the school.	849 850
181. Gimenez y Pena, Filomena, Madrid. System of dress cutting.	843
182. National College for Deaf Mutes and the Blind, Madrid. Various specimens of pupils' handiwork.	849
183. Normal School for Teachers, Guadajajara. Laces, drawn work, embroidery, samples of mending and stitches, drawing and penmanship and woven stuff.	852
184. Pasarans, Elisea, Barcelona. Book on cutting and making linen.	843
185. Tarifa, Duchess de, Madrid. Sketches by the pupils of the normal school.	846
186. Union College, Madrid. Album of views of the college, embroidered altar cloths, table covers, etc., picture in hair and piece of music.	843
187. Uya, Carmen, Barcelona. Specimens of penmanship.	852

GROUP 150.

188. H. R. H., the Infanta Dona Isabel, Madrid. Eleven volumes written by women.	854
189. Aleu, Dolores, Barcelona. Pamphlet. Thesis of doctor's degree.	854
190. Alquibla, Marchioness de, Madrid. a Books written by women. b Geographical maps of Spain.	854 854
191. Alvear y Ward, Sabina, Madrid. History of Don Diego de Alvear y Ponce de Leon.	854
192. Andrau, Maria, Palma de Mallorca. Poetry.	854

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195. Ballester, Antonio, Barcelona. Books.	854
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201. Cocina, Amalia, Palma de Mallorca. Poems.	854
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205. Ferrer, Micaela, Madrid. Book and manuscripts.	854
206. Garcia del Real, Matilde, Madrid. Books.	854
207. Herreros, Manuela de los, Palma de Mallorca. Poems.	854
208. Llobregat, Countess de, San Sebastian. Treatises in manuscript. a Map.	854 854
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211. Montoliu, Maria del Pilar, Barcelona. Poems.	854
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214. Opisso, Antonia, Barcelona. Books.	854
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Exhibit No.	Class'n No.
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223. Sevilla, Dolores, Barcelona.	Treatise on linen embroidery. 854
224. Soto, Carolina de Palmade, Mallorca.	Poems, etc. 854
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## GROUP 151.

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## GROUP 158.

Exhibit No.	Class'n No.
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## SWEDEN.

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4. Friends of Handiwork, Stockholm.	Portieres of national texture and design. 36
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GROUP 139.

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GROUP 140.

26. Lindgren, Miss Hilda, Gothenburg. Portrait of H. R. M. The Queen of Sweden.	
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GROUP 158.

33. Committee of Swedish Ladies, Stockholm. History and biography of women artists and musicians, works of women composers and portraits.	926
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GROUP 172.

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b Portfolio of statistics on women's work at the universities of Sweden, in schools, public service, trade and industry, hygiene and attendance on the sick, philanthropic work and work for national defense of the country.	

1. The first section of the journal is devoted to the study of the history of the English language. It includes articles on the development of the language from Old English to Modern English, and on the influence of other languages on English.

2. The second section is devoted to the study of the English language in its various dialects and registers. It includes articles on the differences between British and American English, and on the differences between formal and informal English.

3. The third section is devoted to the study of the English language in its various contexts. It includes articles on the use of English in different cultures, and on the use of English in different social settings.

4. The fourth section is devoted to the study of the English language in its various functions. It includes articles on the use of English as a means of communication, and on the use of English as a means of education.

5. The fifth section is devoted to the study of the English language in its various forms. It includes articles on the use of English in different genres, and on the use of English in different media.

6. The sixth section is devoted to the study of the English language in its various aspects. It includes articles on the use of English in different fields, and on the use of English in different professions.

7. The seventh section is devoted to the study of the English language in its various uses. It includes articles on the use of English in different situations, and on the use of English in different contexts.

8. The eighth section is devoted to the study of the English language in its various forms. It includes articles on the use of English in different genres, and on the use of English in different media.

9. The ninth section is devoted to the study of the English language in its various aspects. It includes articles on the use of English in different fields, and on the use of English in different professions.

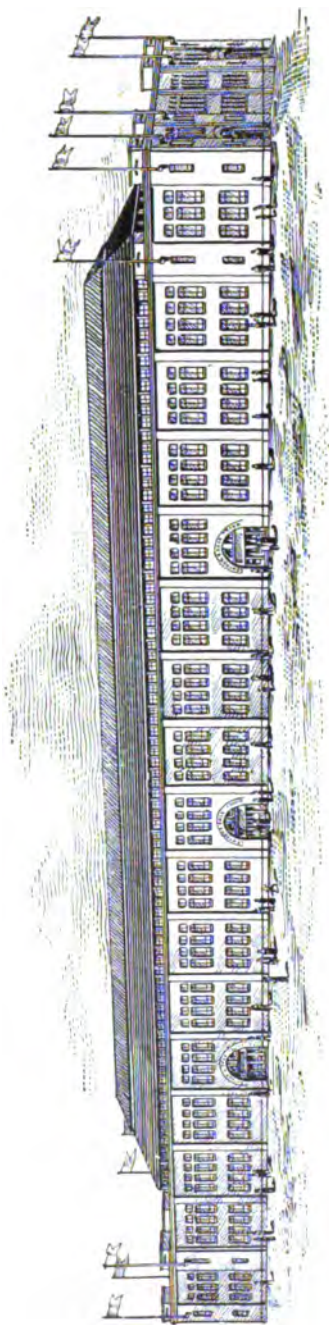
10. The tenth section is devoted to the study of the English language in its various uses. It includes articles on the use of English in different situations, and on the use of English in different contexts.

11. The eleventh section is devoted to the study of the English language in its various forms. It includes articles on the use of English in different genres, and on the use of English in different media.

12. The twelfth section is devoted to the study of the English language in its various aspects. It includes articles on the use of English in different fields, and on the use of English in different professions.

13. The thirteenth section is devoted to the study of the English language in its various uses. It includes articles on the use of English in different situations, and on the use of English in different contexts.

14. The fourteenth section is devoted to the study of the English language in its various forms. It includes articles on the use of English in different genres, and on the use of English in different media.



LEATHER AND SHOE TRADES BUILDING.



# World's Columbian Exposition 1893

## OFFICIAL CATALOGUE

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### PART XV.

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## LEATHER ~~AND~~ SHOE TRADES BUILDING

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### DEPARTMENT H--MANUFACTURES

JAMES ALLYSON, CHIEF

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## Leather and Shoe Trades Division

CLINTON COLLIER, SUPERINTENDENT

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EDITED BY

DEPARTMENT OF PUBLICITY AND PROMOTION

M. P. HANDY, Chief

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CHICAGO

W. B. CONKEY COMPANY

PUBLISHERS TO THE WORLD'S COLUMBIAN EXPOSITION.

1893

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# LEATHER AND SHOE TRADES BUILDING.

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It became evident to a number of prominent men identified with the Leather and Shoe Trades industries of the United States, that a Leather Exhibit Building, in which to display their manufactures at the World's Columbian Exposition, was a necessity; more particularly when it became known that such excessive demands had been made for exhibition space upon the Departments of Manufactures and Liberal Arts. Seeing the necessity of securing much more space than could possibly be allotted to them in the Manufactures and Liberal Arts Building, an organization called the Leather and Shoe Trades Association was formed to raise a fund to carry out a plan to exhibit the products of the leather and accessory trades in their own building. Through this Association, consisting of over two hundred names, a fund to the amount of \$110,000 was raised. The Executive Committee of this Association, the men to whom the chief credit the building is due, is as follows: H. J. Macfarland, chairman, Chicago; J. W. Oakley, Chicago; J. E. Mooney, Cincinnati; E. S. Converse, Boston; J. W. Brooks, Boston; J. R. Benson, Boston; W. B. Rice, Boston; A. G. Webster, secretary, Boston.

This building (575 feet long by 150 feet wide) was commenced December 5, 1892, and completed and ready for the reception of exhibits on April 1, 1893. It contains all domestic exhibits of leather, boots and shoes, rubber boots and shoe and of the allied trades, also the exhibit of leather in all forms, from all the foreign countries at the World's Columbian Exposition.

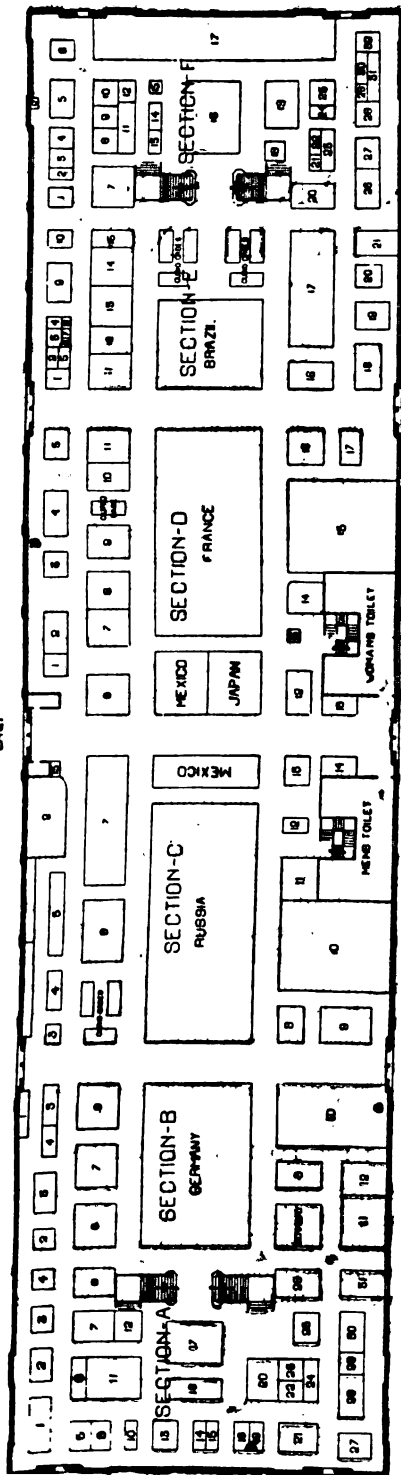
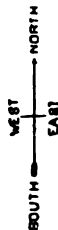
Fine exhibits have been prepared by the following countries: France, Germany, Russia, Uruguay, Japan, Mexico, Brazil.

There are also shown here leather curios from the different countries of the earth; also native foot gear, clothing, harness, saddles and such articles from museums and private collections as have been made famous by age or association.

Also it is expected that the manufacturing exhibit, located on the second or gallery floor of this building, will manufacture fully one thousand pairs of shoes daily, when in operation. The entire second floor will be devoted to machinery, which will include manufacturing exhibit and shoe and leather working machinery, as well as "Dead Exts" made by the representative manufacturers of shoe machinery throughout the United States.

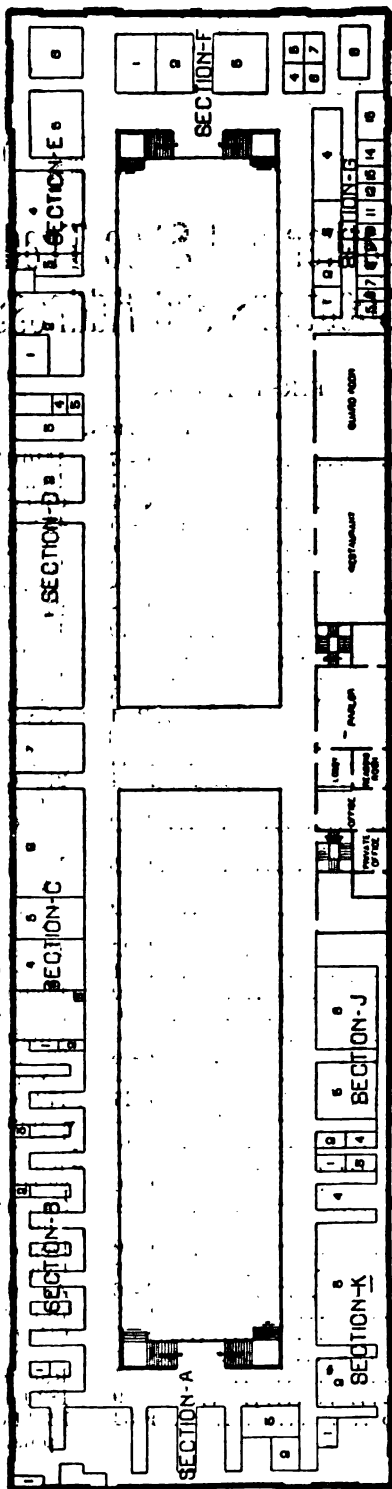
## KEY TO INSTALLATION.

For the purpose of the installation of exhibits the Leather and Shoes Trades Building is divided into sections, lettered from A to F on the first floor, and from A to K on the second floor. Each section is numbered from 1 up, according to the number of the exhibits, each exhibit space being given one number. The foreign countries occupy the central portion of the building, and their location is fully shown on accompanying diagrams.



FIRST FLOOR.  
LEATHER & SHOE TRADES BUILDING,  
WORLD'S COLUMBIAN EXPOSITION.

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WORLDS COLUMBIAN EXPOSITION

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# Exhibitors in Leather and Shoe Trades Building, Their Locations and Addresses.

## FIRST FLOOR.

FIRM.	LOCATION.	ADDRESS.
Avery Leather Goods Co.....	E- 7	1510 Champa St., Denver, Col.
Ash, William T.....	F-17	Lynn, Mass.
American Oak Leather Co.....	C- 7	Cincinnati.
American Porpoise Lace Co.....	E- 5	42 Summer St., Newark, N. J.
Aborn, C. H. & Co.....	F-17	Lynn, Mass.
American Rubber Co.....	C-10	Boston, Mass.
Amesbury Shoe Co.....	E- 8	Amesbury, Mass.
American Leather Waterproofing Co.....	E-18	21 Quincy St., R. 305, Chicago
Bridgeport Elastic Web Co.....	F-19	Bridgeport, Conn.
Bridgeport & Hub Gore Makers.....	F-19	Bridgeport, Conn., & Boston
Brown & Balcom.....	E-17	115 Oxford St., Lynn, Mass.
Burk Brothers.....	A- 5	409 Arch St., Philadelphia
Bechtel, John A. & Son.....	B- 1	Newport, Pa.
Barnet, J. S. & Bro.....	C-13	27 Spruce St., New York City.
Bartlett, John S. & Co.....	F-17	25 Exchange St., Lynn, Mass.
Barbour Brothers Co.....	D-14	218 Church St., New York City.
Boston Rubber Shoe Co.....	B-10	245 Causeway St., Boston, Mass.
Bachelor, E. & A. H. Co.....	D- 6	106 Summer St., Boston, Mass.
Banister, Jas. A. Co.....	D- 9	185 Washington St., Newark, N. J.
Blake, Harold F.....	E-17	Haverhill, Mass.
Burt, Edwin C. & Co.....	E- 1	92 Centre St., New York City
Boston Blacking Co.....	E-20	Boston, Mass.
Bicycle Step-ladder Co.....	F-30	184 Clarke St., Chicago
Callery, James & Co.....	A-16	Pittsburgh, Pa.
Charlie & Curtiss.....	E- 6	36 Exchange Place, New York City.
Consolidated Adjustable Shoe Co.....	F-17	178 Commercial St., Lynn, Mass.
Cameron, Donald.....	F-18	155 Calyer St., Brooklyn, N. Y.
Copeland & Ryder Co.....	E-10	Jefferson, Wis.
Coburn, Geo. M. & Co.....	F-10	22 High St., Boston, Mass.
Deford & Co.....	C- 1	Calvert & Lombard, Baltimore, Md.
Dolge, Alfred.....	F-20	Dolgeville, N. Y.
Davis, Geo. C.....	F-17	Lynn, Mass.
Devlin, Thomas.....	A- 6	Arcata, Cal.
Dean, Chase & Co.....	F-19	78 Lincoln St., Boston, Mass.
D'Ippolito, G. B.....	F- 0	615 Quince St., Vineland, N. J.
England & Bryan.....	C- 4	258 N. 3d St., Philadelphia
Eisendrath, B. D. & Co.....	C-14	Racine, Wis.
Eisendrath, W. N. & Co.....	C- 9	183 Lake St., Chicago
Eclipse Cement & Blacking Co.....	F-82	1238 Belmont Ave., Philadelphia.

FIRM.	LOCATION.	ADDRESS.
Frank, S. H. & Co.	A-4	San Francisco, Cal.
Fayerweather & Ladew	C-2	28 Spruce St., New York City.
Flaccus, Wm. & Son	A-7	Pittsburgh, Pa.
Finlayson, Bousfield & Co.	D-12	North Grafton, Mass.
Faunce & Spinney	F-17	Lynn, Mass.
Foerderer, Robert H.	B-7	Penn. R. R. & Frankfort Ck., Philadelphia.
Freiburg-Wolfstein Oak Tanning Co.	A-3	24 N. Providence St., Cin- cinnati.
Ford, C. P. & Co.	F-8	Rochester, N. Y.
Fowler, George	F-17	Lynn, Mass.
Fargo, C. H. & Co.	D-8	166-200 Market St., Chicago.
Fox, Chas. K.	E-17	Haverhill, Mass.
Forsheim & Co.	D-4	195 So. Canal St., Chicago.
Forsman, J., Shoe Manufacturing Co.	E-18	Bloomfield, N. J.
Fordyear Metallic Rubber Shoe Co.	C-10	Naugatuck, Conn.
Fordon, S. J.	E-19	224 Fremont St., Boston, Mass.
Foster's, J. J., Sons	F-17	Lynn, Mass.
Grand Rapids Felt Boot Co.	E-6	Grand Rapids, Mich.
Indolo Tannen Co.	A-2	Boston, Mass.
Jetzinger, J. & Co.	B-3	317 River Ave., Allegheny City, Pa.
Jetzinger, A. & Son	B-5	Allegheny City, Pa.
Jetzinger's, G. Sons	A-24	Lancaster, Pa.
Jenman, Chas. E.	E-17	Haverhill, Mass.
Jordan, John C.	F-2	244 South First St., Brooklyn, N. Y.
Jordrich, Hazen, B. & Co.	E-17	Haverhill, Mass.
Jordan Traveling Ladder Co.	F-31	67 E. Main St., Lexington, Ky.
Jopple, William Howard	F-22	50 Ferry St., New York City.
Well, T. P. & Co.	A-14	Newark, N. J.
Robert & Rapp Co.	F-19	91 Bedford St., Boston, Mass.
Isley, Samuel & Son	A-29	Newark, N. J.
Il, S. W.	F-25	155 State St., Chicago.
Jordan, J. W. & A. P. Co.	C-8	Correy, Pa.
Isley, J. H. & Smith	A-20	Newark, N. J.
Jordan, R. E.	F-17	Lynn, Mass.
Jordan, Arthur S.	F-18	128 Chambers St., New York City.
Jordan, C. M. & Co.	F-16	Adams and Market Sts., Chi- cago.
Jordan, Chas. E. Co.	E-17	Lynn, Mass.
Jordan, Chas.	A-30	29 Spruce St., New York City.
Jordan, Amos	A-22	Lancaster, Pa.
Jordan-Brown Shoe Co.	D-7	St. Louis, Mo.
Jordan, G. W. & Co.	F-17	Lynn, Mass.
Jordan & Son	D-10	Centre and White Sts., New York City.
Jordan Brothers	F-17	Lynn, Mass.
Jordan, M. L. & Sons	F-9	29 Spruce St., New York City.
Jordan-Knowlton & Co.	D-13	276 Franklin St., Chicago.
Jordan, Gore Makers	F-19	Boston, Mass.
Jordan & Heath	F-17	159 Commercial St., Lynn, Mass.
Jordan, F. E.	E-17	Haverhill, Mass.
Jordan & Smith	F-17	Lynn, Mass.
Jordan & Co.	A-13	48 Gardner St., Newark, N. J.
Jordan, C. P. & Co.	A-11	Michigan Ave. & Harmon Ct., Chicago.
Jordan, Lesh & Co.	C-3	97 South St., Boston, Mass.

FIRM.	LOCATION.	ADDRESS.
Leas & McVitty.....	B- 4	303 N. Third St., Philadelphia.
Lavor, G.....	A-10	Gloversville, N. Y.
Lambeau Leather Co.....	B- 9	105 Elston Ave., Chicago.
Lattemann, J. J. Shoe Manufacturing Co.....	F-12	87 S. Fifth Av., New York City.
Ludlow, George W. & Co.....	F-5	Elgin, Ill.
Leonard-Atkinson Co.....	F-15	155 Franklin St., Chicago.
Laird, Schober & Mitchell.....	D-11	19th and Buttonwood Sts. Philadelphia.
Leeson, J. R. & Co.....	D-12	Boston, Mass.
Morley Brothers.....	F-23	East Saginaw, Mich.
Moffat, David & Co.....	B- 6	5 Jacob St., New York City.
Miller, The Frank, Co.....	F-11	349 W. Twenty-Sixth St., New York City.
Murphey Brothers.....	F-17	443 Union St., Lynn, Mass.
Mousek, V. J.....	E- 2	474 W. Van Buren St. Chicago.
Morse Bros. & Co.....	E-17	Haverhill, Mass.
McNulty, P. F.....	F- 1	222 Post St., San Francisco.
Mooney, W. W. & Sons.....	B-11	Columbus, Ind.
National Shoe Color Co.....	E-18	St. Joseph, Mo.
New York Shoe Manufacturing Co.....	F-17	Lynn, Mass.
Oblinger, Benjamin F.....	E-15	219 N. Fourth St., Philadelphia.
Osborn, H. F.....	A-23	44 Hill St., Newark, N. J.
Pfister & Vogel Leather Co.....	C- 8	Milwaukee, Wis.
Plant, Thomas G.....	F-17	Lynn, Mass.
Pingree & Smith.....	E-12	Detroit, Mich.
Price & Wolff.....	D- 2	195 S. Canal St., Chicago.
Phelps, Dodge & Palmer.....	E-16	Adams and Fifth Ave., Chicago.
Renton, J. B.....	F-17	Lynn, Mass.
Rippman, C. A.....	B- 2	Millertown, Pa.
Rumsey Brothers.....	F-17	Lynn, Mass.
Rice & Hutchins.....	E-11	Boston, Mass.
Reilly, Patrick & Son.....	A-28	Newark, N. J.
Sankey, John.....	F-29	Mifflinburg, Pa.
Smith, A. F.....	F-17	Lynn, Mass.
Swift and Company.....	A-17	Union Stock Yards, Chicago.
Smith's, Lyman Sons Co.....	A-19	Norwood, Mass.
• Selz, Schwab & Co.....	E-13	Monroe & Market Sts., Chicago.
Smith, R. P., Son's Co.....	D- 5	Franklin & Quincy Sts., Chicago.
Scroggy, J. E., Manufacturing Co.....	F-24	Frankfort, Ind.
Swain, J. F., & Co.....	F-17	215 Market St., Lynn, Mass.
Shillaber & Co.....	F-17	48 Oxford St., Lynn, Mass.
Sharp, Clarke & Co.....	B- 8	North Avenue Bridge, Chicago.
Shaw Leather Co.....	A-26	159 Summer St., Boston, Mass.
Smoot, C. C., & Sons.....	A-12	Alexandria, Va.
Smith, Hugh.....	A-27	25 Hoyte St., Newark, N. J.
Scarinci, Benjamin.....	F- 3	118 Catherine St., Philadelphia.
Sutherland, D. A. & Co.....	F-17	30 W. Wellen St., Lynn, Mass.
St. John Manufacturing Co.....	E- 4	Jackson & Claremont St. Jersey City.
Turner, J. S.....	E-14	Rockland, Mass.
Trostel, Albert, & Sons.....	A-25	Milwaukee, Wis.
Tilt, J. E., Shoe Co.....	F- 7	3-17 Huron St., Chicago.
Woodman & Howes.....	E-17	Haverhill, Mass.
White, S. A.....	F-26	85 High St., Boston, Mass.

FIRM.	LOCATION.	ADDRESS.
Woodside Patent Calf Manufacturing Co.....	A-15	Newark, N. J.
Wood, Geo. H., Co.....	F-28	Boston, Mass.
Walker-Oakley Co.....	C-11	LaSalle Ave. and Michigan St., Chicago.
Woonsocket Rubber Co.....	D-15	Providence, R. I.
Western Tannery and Glove Works.....	A-8	43 Coventry St., Chicago.
Whitmore Bros. & Co.....	F-27	237 Albany St., Boston, Mass.
Wells, M. D., & Co.....	D-16	Fifth Ave. and Monroe St., Chicago.
Wright & Richards.....	F-4	Rockland, Mass.
Veed, James B., & Co.....	C-12	Binghamton, N. Y.
Viley, Wm. H., & Son.....	F-24	P. O. 1023, Hartford, Conn.
Velch & Landregan.....	F-17	Lynn, Mass.
Williams, Clark & Co.....	F-17	Lynn, Mass.
Wade & Co.....	A-6	120 Battery St., San Francisco.
Wilder & Co.....	A-31	212 Lake St., Chicago.
Webert, Chas. L.....	E-9	609 Chestnut Street, St. Louis, Mo.
Whirlant, Herman, Leather Co.....	B-12	Milwaukee, Wis.
Winn, William, Leather Co.....	A-9	Newark, N. J.

## SECOND FLOOR.

FIRM.	LOCATION.	ADDRESS.
Auburn Crimping Machine Co.....	G-9	Auburn, Me.
Atna Boot & Shoe Hardware Co.....	G-6	Unionville, Conn.
American Heeling Machine Co.....	G-8	Brockton, Mass.
Best Trimmer Co.....	D-4	110 Lincoln St., Boston, Mass.
Bstrand Lockstitch Sewing Machine Co.....	D-2	53 Lincoln St., Boston, Mass.
Bot & Shoe Sole Laying Co.....	G-5	54 Lincoln St., Boston, Mass.
Brown's Shoe Co.....	A-1	Brockton, Mass.
Brett, Henry W.....	F-8	83 South St., Boston, Mass.
Broth Brothers.....	J-3	Rochester, N. Y.
Brown, Maurice V., & Co.....	B-1	307 Washington St., Lynn, Mass.
Buse Lasting Machine Co.....	A-2	108 Summer St., Boston, Mass.
Bunn, Alfred A.....	F-8	South Hingham, Mass.
Burphell Machine Co.....	G-12	Pawtucket, R. I.
Burgated Rivet Co.....	F-8	128 First St., San Francisco, Cal.
Consolidated Hand Method Machine Co.....	A-3	63 Lincoln St., Boston, Mass.
Cridson, Geo. J.....	G-9	Richmond Va.
Cott Button Fastener Co.....	F-7	Grand Rapids, Mich.
Cotton, S. A., & Son Co.....	G-14	Manchester, N. H.
Cold, C. S., & Co.....	G-5	53 High St., Boston, Mass.
Cole Buffer Co.....	E-2	110 Lincoln St., Boston, Mass.
Cole Button Hole Machinery Co.....	J-2	40 Water St., Boston, Mass.
Coleman Shoe Machinery Co.....	F & K-3	158 Summer St., Boston, Mass.
Cofford Bros.....	E-1	102 South St., Boston, Mass.
Coringway Bros.....	G-15	Lynn, Mass.
Coppley Manufacturing Co.....	F-8	Towanda, Pa.
Crow, S. W.....	D-3	155 State St., Chicago.
Croft Fastening Co.....	D-3	New York City.
Croft, E. A.....	F-8	Lynn, Mass.
Crow, Chas. F., & Co.....	F-8	364 Atlantic Ave., Boston, Mass.
Crow, J. S., & Co.....	C-3	17 South St., Boston, Mass.
Crow, S. W., Boot & Shoe Crimping Machine Co.....	G-11	100 High St., Boston, Mass.
Crow, J. R., & Co.....	C-6	226 Devonshire St., Boston, Mass.
Crow, S. M.....	F-8	Brockton, Mass.

FIRM.	LOCATION.	ADDRESS.
Lacing Stud Co.....	D- 2	55 Lincoln St., Boston, Mass.
Lufkin, R. H.....	F- 8	38 Chardon St., Boston, Mass.
Lightning Beader Co.....	F- 8	Springfield, N. Y.
Morley Button Sewing Machine Co.....	J- 1	205 Congress St., Boston, Mass.
Miller, O. A.....	C- 7	Brockton, Mass.
McKay Metallic Fastening Association.....	F- 4	108 Summer St., Boston, Mass.
Marshall, H. F.....	F- 8	Boston, Mass.
Merrick Sewing Machine Co.....	F- 8	100 Lincoln St., Boston, Mass.
McKay & Bigelow Heeling Machine Association....	E- 4	108 Summer St., Boston, Mass.
Norris, T. A., Machine Co.....	B- 2	Brockton, Mass.
Naumkeag Buffing Machine Co.....	E- 3	Beverly, Mass.
Philadelphia Barring Machine Co.....	J- 4	409 Arch St., Philadelphia.
Power Eyeletting Machine Co.....	F- 8	100 Lincoln St., Boston, Mass.
Rockingham Machine Co.....	G- 3	Exeter, N. H.
Reece Button Hole Machine Co.....	K- 4	458 Harrison Ave., Boston.
Ross-Moyer Manufacturing Co.....	F- 2	P. O. Box 625, Cincinnati.
Steam Heated Horn Co.....	F- 4	90 Lincoln St., Boston, Mass.
Standard Rivet Co.....	G- 1	105 Summer St., Boston, Mass.
Swain-Fuller Manufacturing Co.....	G- 4	54 South St., Boston, Mass.
Sawyer Leather Machinery Co.....	G- 2	54 South St., Boston, Mass.
Stoddard Crimping Machine Co.....	G-10	106 Summer St., Boston, Mass.
Staple Heeling Machine Co.....	F- 8	Room 46, 28 State St., Boston.
Singer Manufacturing Co.....	D- 2	34 Union St., New York City.
Stanley Manufacturing Co.....	K- 6	108 Summer St., Boston, Mass.
Tracy Sewing Machine Co.....	F- 8	New Brighton, Staten Island, N. Y.
Tripp Giant Leveller Co.....	F- 8	493 Union St., Lynn, Mass.
Tubular Rivet Co.....	F- 6	55 Lincoln St., Boston, Mass.
Thomson, Judson L., Manufacturing Co.....	F- 1	Waltham, Mass.
Union Leather Measuring Machine Co.....	F- 8	Peabody, Mass.
Union Heel Trimmer Co.....	D- 5	114 Lincoln St., Boston, Mass.
Union Special Sewing Machine Co.....	J- 6	60 Michigan St., Chicago.
Vaughn Machine Co.....	E- 5	Salem, Mass.
Wire Grip Fastening Co.....	F- 5	96 Lincoln St., Boston, Mass.
Worcester, A., & Sons.....	F- 8	27 Exchange St., Boston, Mass.

## CLASSIFICATION.

Groups and classes in Department H.—Manufactures, which appear in Leather and the Trades exhibits.

### GROUP 87.

#### CHEMICAL AND PHARMACEUTICAL PRODUCTS—DRUGGISTS' SUPPLIES.

547. Drugs and pharmaceutical preparations and compounds.

### GROUP 88.

#### PAINTS, COLORS, DYES AND VARNISHES.

See also Group 48.

552. Colors and pigments—natural and artificial, dry and ground in oil. Printing inks, writing inks, blacking, cochineal, etc.

### GROUP 100.

#### SILK AND SILK FABRICS.

626. Thrown or twisted silks, boiled off or dyed, in hanks, skeins or on spools; machine twist and sewing-silk.

### GROUP 102.

#### YARNS AND WOVEN GOODS OF COTTON, LINEN AND OTHER VEGETABLE FIBRES

639. Linen fabrics—linen thread, cloths and drills, plain and mixed; napkins, tablecloths, sheetings, shirtings, etc.; cambrics, handkerchiefs and other manufactures of linen.

### GROUP 103.

#### WOVEN AND FELTED GOODS OF WOOL AND MIXTURES OF WOOL.

648. Felt goods, felt cloths, trimming and lining felt, felt skirts and skirting, table and piano covers, felts for ladies' hats, saddle felts, druggets, endless belts for printing machines, rubber shoe-linings and other footwear, hair feltings.

### GROUP 104.

#### CLOTHING AND COSTUMES.

656. Boots and shoes.

### GROUP 109.

#### RUBBER GOODS, CAOUTCHOUC, GUTTA PERCHA, CELLULOID AND ZYLONITE.

683. Clothing, mackintoshes, capes, coats, boots, shoes, hats, etc.

### GROUP 111.

#### LEATHER AND MANUFACTURES OF LEATHER.

696. Hides and skins.

697. Tanned leathers—belting, grain and harness leather. Sole leather—calf, kip and goat skins; sheep skins.

698. Curried leathers.

699. Patent and enameled leathers; morocco.

700. Alligator, porpoise, walrus and kangaroo leather.

701. Russia leathers.

702. Oil leathers, wash leather, and all other varieties of leather not before named.

703. Parchment for commissions, patents, deeds, diplomas, etc. Vellum for similar purposes, and for books and book-binding; for drums and tambourines; for gold-beaters' use, etc.

704. Leather belting.

705. Embossed leather for furniture, wall decoration, etc.

# How to Find Exhibitors and Their Exhibits.

The list of exhibitors from the United States will be found in the first portion of this catalogue, the foreign countries with their exhibits installed in the Leather and Shoe Trades Building following in alphabetical order. Each country has its exhibits numbered consecutively, and as far as practicable each exhibit has a card attached to it bearing the name of the country and the words "Official Catalogue Number," and that number corresponds with the number in this Catalogue. For example, if a card is found with the following matter thereon:

Department H.                      Leather and Shoe Trades.

United States.

Official Catalogue Number 118

the visitor will turn to 118 in the United States portion of the Catalogue where will be found the following entry:

**118. Mooney, W. W. & Sons, Columbus, Ind.**

Harness and saddlery leather. B-11    697

It may be that the visitor's attention is first directed to the Catalogue and he may be desirous of finding this exhibit. The first thing he should do is to see what the location is. That being B-11 he will refer to the Key to Installation, which states that the Leather and Shoe Trades Building is divided into sections, lettered from A to F on the first floor, and from A to K on the second floor. On looking at the diagrams it will be seen that each section is numbered from 1 up, according to the number of exhibit spaces which the section contains. The exhibit, therefore, of W. W. Mooney & Sons will be found in Section B, and in the exhibit space numbered 11.

The class number 697 serves many purposes, and one especially. A visitor, for instance, would like to see all the exhibits of harness and saddlery leather in the Leather and Shoe Trades Building. He immediately turns to the classification grouping, where he will read in group 111, class 697, the following: Tanned leathers—belting, grain and harness leather, sole leather—calf and goat skins, sheep skins. He immediately turns to the list of exhibitors under group 111, and by glancing down the right hand side for 697 finds all exhibitors alphabetically arranged who are exhibiting harness and saddlery leather and other articles enumerated in that class.

This rule applies to every exhibit in the Leather and Shoe Trades Building, whatever its character may be, and by following the above plan the visitor will experience no difficulty in locating the exhibitor or his exhibit.

No attention should be paid to any numbers which may be affixed to exhibits except those appearing on cards in the form given above.

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# LEATHER AND SHOE TRADES

## EXHIBIT.

In this special division of exhibits in the Department of Manufactures are included exhibits in Group 87, Class 547; Group 88, Class 552 (colors, blacking, etc.); Group 102, Class 639 (linen thread, etc.); Group 103, Class 688 (felt footwear, linings, etc.); Group 104, Class 656 (boots and shoes); Group 109, Class 683 (rubber boots, shoes, etc.); and all of Group 111 (leather and manufactures of leather), except leather belting; and exhibits in Group 121; also Classes 445 and 446, in Group 72, department of machinery (machines for cutting and working leather and for making boots and shoes).

### GROUP 87.

	Class'n No.	
Loyt, Arthur S., New York.	Cold	
er glue.	F-18	547

### GROUP 88.

American Leather Waterproofing		
Bloomfield, N. J. Waterproofing for	E-18	552
shoes.		
Boston Blacking Co., Boston. Black-		
ressing, patching cement etc.	E-20	552
meron, Donald, Brooklyn, N. Y.		
dressings.	F-18	552
clipse Cement & Blacking Co.,		
delphia. Cements, shoe dressings,		
ss inks and dressings.	F-32	552
ndolo Tannen Co., Boston. Oak-		
and chestnut tanning extracts.	A-2	552
Her, The Frank, Co., New York.		
er dressings and blackings.	F-11	552
cturers of inks, dressings and		
lackings, crown dressing for ladies'		
ldren's boots and shoes, both for		
and export use. The oldest and		
manufacturers of this class of goods		
orld.		
chell Stain M'fg Co., Lynn, Mass.		
er finishing stains for boots and	D-1	552
ional Shoe Color Co., St. Joseph,		
Dye for coloring sateen and leather.	F-18	552
key, John, Millinburg, Pa. Shoe		
rnness dressing.	F-29	552
ite, S. A., Boston. Blackings,		
gs and stains.	F-26	552

### Exhibit No.

### Class'n No.

4. Whittemore Bros. & Co., Boston.		
Harness dressings; boot and shoe black-	F-27	552
ing.		
5. Wood, George H., Company, Boston.		
Cements, inks, wax and dressings.	F-28	552

### GROUP 100.

5a. Hammond, Knowlton & Co., Chicago.		
Spool silk and machine twist.	D-13	626

### GROUP 102.

6. Barbour Bros. Company, Paterson,		
N. J. Sewing threads, threads for boots,		
shoes and saddlers' use.	D-14	639
7. Finlayson, Bonsfield & Co., Grafton,		
Mass. Thread for shoes and leather.	D-12	639
7a. Leeson, J. R. & Co., Boston, Mass.		
Thread for shoes and leather	D-12	639

### GROUP 103.

8. Dolge, Alfred, Dolgeville, N. Y. Felt		
goods; boots, shoes and slippers made of		
same.	F-20	648
9. Grand Rapid Felt Boot Company,		
Grand Rapids, Mich. Felt and knit boots.	E-4	648

### GROUP 104.

10. Aborn, C. H., Lynn, Mass. Ladies'		
boots and shoes.	F-17	656
11. American Porpoise Lace Company,		
Newark, N. J. Shoe laces.	E-5	656
12. Amesbury Shoe Company, Amesbury,		
Mass. Shoes and slippers.	E-8	656
13. Ash, Wm. T., Lynn, Mass. Shoes		
and slippers.	F-17	656

## Leather and Shoe Trades Exhibit.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
14. Banister, James A., Company, Newark, N. J. Boots, shoes and slippers. D-9 656		30. Fox, Charles K., Haverhill, Mass. Shoes and slippers. E-17 656	
Men's and boys' fine boots, shoes and slippers, specially for the retail trade. Received highest medal at Vienna, 1873, Philadelphia, 1876, and New Orleans, 1884.		30a. Freeman, J. Shoe M'fg Co., Bloomfield, N. J. Men's waterproof shoes. E-18 656	
15. Bartlett, John, & Co., Lynn, Mass. Boots and shoes. F-17 656		31. Fuller, George, & Co., Lynn, Mass. Welts, turns, boots and shoes. F-17 656	
16. Batcheller, E. & A. H., Co., Boston. Boots and shoes. D-6 656		32. Gardner, John C., Brooklyn, N. Y. Misses', children's and infants' shoes and slippers. F-2 656	
17. Blake, Harold F., Haverhill, Mass. Shoe tips. E-17 656		33. Goodrich, Hazen B., Haverhill, Mass. Boots, shoes and slippers. E-17 656	
18. Bridgeport & Hub Gore Makers, Boston. Elastic for shoes. F-19 656		34. Greenman, Chas. E., Haverhill, Mass. Soles and leather. E-17 656	
19. Bridgeport Elastic Web Company, Bridgeport, Conn. Elastic goring and webbing. F-19 656		35. Grover's Sons, J. J., Lynn, Mass. Boots and shoes. F-17 656	
Manufacturers of Bridgeport goring. Fully warranted for two years. Shoes regored free and expressage paid in case of failure. Largest and best equipped plant for weaving shoe elastic in the world. Best grades only. References: Fine shoe manufacturers all over the United States.		36. Hall, S. W., Chicago. Overgaiters and leggins. F-25 656	
19a. Brown & Balcolm, Lynn, Mass. Misses' and children's boots and shoes. F-17 656		36a. Hamilton-Brown Shoe Co., St. Louis. Ladies' and men's fine shoes and workmen's shoes. D-7 656	
20. Burt, Edwin C., & Co., New York. Boots, shoes and slippers. E-1 656		37. Hanan & Son, New York. Boots, shoes and slippers. D-10 656	
21. Charlie & Curtiss, New York. Shoes, gaiters and boots. E-3 656		38. Harney Bros., Lynn, Mass. Boots and shoes. F-17 656	
21a. Coburn, Geo. M., & Co., Boston. Shoes and slippers. F-9 656		38a. Harvey Fastening Co., New York. Overgaiter fasteners. O-3 656	
22. Consolidated Adjustable Shoe Company, Lynn, Mass. Ladies' boots and shoes. F-17 656		39. Heller, M. L., & Son. Shoe goods and trimmings. F-9 656	
23. Copeland & Ryder Co., Jefferson, Wis. Shoes. E-1 656		40. Henderson, C. M., & Co., Chicago. Boots and shoes. F-16 656	
24. Davis, George C., Lynn, Mass. Ladies' boots and shoes. F-17 656		42. Herrick, G. W., & Co., Lynn, Mass. Boots and shoes. F-17 656	
25. Dean, Chase & Co., Boston. Shoe goring. F-19 656		44. Hoag & Heath, Lynn, Mass. Boots and shoes. F-17 656	
25a. D'Ippolito, G. B., Vineland, N. J. Ladies' fine shoes. F-0 656		45. Hub Gore Makers (Incorporated), Boston. Elastic for shoes. F-19 656	
26. Fargo, C. H., & Co., Chicago. Boots and shoes. D-8 656		Sales largest in the world. Twice that of any other concern in America. Originators in 1888 of shoe elastic with incontestable insurance.	
27. Faunce & Spinney, Lynn, Mass. Boots and shoes. F-17 656		46. Hutchinson, F. E., Haverhill, Mass. Ladies' shoes and slippers. E-17 656	
Make more pairs of shoes than any other manufacturer in the United States, making women's fine shoes exclusively. Production throughout the year averages two pairs every minute. Prices, \$2.00 and upward; nothing cheaper. Send for catalogue.		47. Laird, Schober & Mitchell, Philadelphia. Boots and slippers. D-11 656	
28. Florsheim & Co., Chicago. Boots and shoes. D-4 656		48. Lattemann, J. J., Shoe Manufacturing Company, New York. Boots, ties and slippers. F-12 656	
29. Ford, C. P., & Co., Rochester, N. Y. Ladies', misses' and children's fine shoes. F-8 656		49. Leonard-Atkinson Company, Chicago. Boots and shoes. F-15 656	
		49a. Ludlow, Geo. W. & Co., Chicago. Ladies', misses', children's fine shoes and slippers. F-5 656	
		50. McNulty, P. F., San Francisco, Cal. Boots, shoes and gaiters. F-1 656	
		51. Morse Bros. & Co., Haverhill, Mass. Shoes and slippers. E-17 656	
		52. Mousek, V. J., Chicago. Hand-made theatrical shoes. E-2 656	

## Leather and Shoe Trades Exhibit.

Exhibit No.	Class'n No.	Exhibit No.	Class'n No.
54. Murphy Bros., Lynn, Mass. Boots and shoes.	F-17 656	82. Woodman & Howes, Haverhill, Mass. Shoes and slippers.	E-17 656
55. New York Shoe Manufacturing Company, Lynn, Mass. Boots and shoes.	F-17 656	<b>GROUP 109.</b>	
56. Oblinger, Benjamin F., Philadelphia. Boots, shoes and slippers.	E-15 656	83. American Rubber Company, Boston. Rubber boots and shoes.	C-10 688
58. Phelps, Dodge & Palmer Co., Chicago. Boots and shoes.	E-16 656	84. Boston Rubber Shoe Company, Boston. Rubber boots and shoes; curios from South America.	B-10 688
59. Pingree & Smith, Detroit, Mich. Shoes.	E-12 656	85. Goodyear Metallic Rubber Shoe Company, Naugatuck, Conn. Rubber footwear.	C-10 688
60. Plant, Thomas G., Lynn, Mass. Ladies' boots and shoes.	F-17 656	86. Woonsocket Rubber Company, Providence, R. I. Rubber footwear.	D-15 688
61. Price & Wolf, Chicago. Slippers and low shoes.	D-2 656	<b>GROUP 111.</b>	
62. Renton, John B., Lynn, Mass. Heels and lifts.	F-17 656	87. American Oak Leather Company, Cincinnati. Belting, soles, insoles, counters and leather.	C-7 697
63. Rice & Hutchins, Boston. Boots and shoes.	E-11 656	88. Avery Leather Goods Company, Denver, Col. Leather clothing and novelties.	E-8 697
64. Rumsey Bros., Lynn, Mass. Boots and shoes.	F-17 656	89. Barnet, J. S., & Bro., New York. Finished leather.	C-13 697
64a. Scarinci, Beniamino, Philadelphia. Ladies' slippers, men's and boys' boots and shoes.	F-3 656	89a. Bechtel, & Son, John A., Newport, Pa. Sole leather.	B-1 697
65. Schillaber & Co., Lynn, Mass. Women's boots and shoes.	F-17 656	90. Burk Bros., Philadelphia. Glazed kid, calf and pebble goat; shoes from same.	A-5 697
66. Selz, Schwab & Co., Chicago. Boots and shoes.	E-13 656	91. Callery, Jas., & Co., Pittsburg, Pa. Harness leather.	A-16 697
67. Scroggy, J. E. Manufacturing Company, Frankfort, Ind. Overgaiters, boots and shoes.	F-24 656	92. Deford & Co., Baltimore. Oak slaughter, sole leather and butts.	C-1 697
68. Smith, A. F., Lynn, Mass. Boots and shoes.	F-17 656	93. Delvin, Thomas, Arcata, Cal. Parts of harness and leather.	A-6 697
69. Smith, R. P., & Sons, Co., Chicago. Men's and boys' shoes.	D-5 656	94. Eisendrath, B. D., & Co., Racine, Wis. Shoe leather.	C-14 697
71. St. John Manufacturing Company, Jersey City, N. J. Infants' shoes and slippers.	E-4 656	95. Eisendrath, W. N., & Co., Chicago. Shoe and glove leather.	C-9 697
72. Sutherland, D. A., Lynn, Mass. Boots, shoes, ties and slippers.	F-17 656	96. England & Bryan, Philadelphia. Sole leather.	C-4 697
73. Swain, J. F., & Co., Lynn, Mass. Misses' and children's boots and shoes.	F-17 656	97. Fayerweather & Ladew, New York. Belting and sole leather.	C-1 697
74. Tilt, J. E. Shoe Company, Chicago. Boots and shoes.	F-7 656	97a. Flaccus, Wm. & Son, Pittsburg, Pa. Oak tan, harness and skirting leather.	A-7 697
75. Turner, J. S., Rockland, Mass. Men's shoes.	E-14 656	98. Foerderer, Robert H., Philadelphia. Glazed kid and shoes of same.	B-7 699
76. Webert, Chas. L., St. Louis, Mo. Boots and shoes.	E-9 656	98a. Frank, S. H., & Co., San Francisco. a Sole, harness and belting leather.	F-4 697
76a. Welch & Landregen, Lynn, Mass. Boots and shoes.	F-17 656	b Walrus leather.	700
78. Wells, M. D., & Co., Chicago. Boots, shoes and slippers.	D-16 656	99. Freiberg-Wolfstein Oak Tanning Company, Cincinnati. Harness leather.	A-3 697
79. Wiley, Wm. H., & Son, Hartford, Conn. Leggings, overgaiters, soles, etc.	F-14 656	99b. Gordon, S. J., Boston. Fancy leather goods.	E-19 705
80. Williams, Clark & Co., Lynn, Mass. Boots and shoes.	F-17 656	100. Grootzinger, A., & Son, Allegheny City, Pa. Sole leather and belting.	B-5 697
81. Wright & Richards, Rockland, Mass. Boots and shoes.	F-4 656	Manufacturers of harness leather of every	

## Leather and Shoe Trades Exhibit.

Exhibit No.	Class'n No.	
		description. Harness backs, trimmed harness, long harness, stained hand parts, fair hand parts, fair bridle and russet leather a specialty.
101. Groetzinger, J., & Co., Allegheny City, Pa.	B-3	697
102. Groetzinger's, G., Sons, Lancaster, Pa.	A-24	697
		Tanners and curriers of "Fine Oak Harness Leather," and manufacturers of harness backs, trimmed harness, buff, stained and fair hand parts, fair bridle and russet leathers. Correspondence solicited.
102a. Halsey, J. H. & Smith, Newark, N. J.		
a Hides and leather.	A-20	696
b Patent and carriage leather.		699
103. Halsey, Sam'l, & Son, Newark, N. J.		
Patent, enameled and fancy leather.		
	A-29	699
103a. Harwood, Charles E. Co., Lynn, Mass.		
Counters, insoles, taps, turn shanks, rands and heel stock.	F-17	697
104. Hauselt, Charles, New York.		
a Calfskins.	A-30	697
b Glazed kid.		699
104a. Hillard, R. E., Lynn, Mass.		
Soles and leather.	F-17	697
105. Hollinger, Amos, Lancaster, Pa.		
Harness leather.	A-22	697
105a. Hoople, Wm. Howard, New York.		
Goodyear welting.	F-22	697
108. Howard, J. W. & A. P., & Co., Corry, Pa.	C-8	697
		Tanners of the well known "Howard Slaughter" specialties. Stock for sole cutters' and manufacturers' uses.
109. Howell, T. P., & Co., Newark, N. J.		
Patent and enameled leather.	A-14	699
110. Kaufherr & Co., Newark, N. J.		
a Alligator leather.	A-13	700
b Lizard and snake skin and fancy leather.		702
110a. Kent & Smith, Lynn, Mass.		
Various kinds and colors of shoe stains.	F-176	97
111. Kistler, Lesh & Co., Boston.		
Sole leather.	C-3	697
112. Lambeau Leather Company, Chicago.		
a Leather.	B-9	697
b Kangaroo calf, etc.		700
113. Leas & McVitty, Philadelphia.		
Belt-ing butts and soles.	B-4	697
114. Levor, Gustav, Gloversville, N. Y.		
Patent shoe kid and kangaroo leather.		
	A-10	699
		Manufacturer of every variety of dull dongola or American mat kid.
117. Moffat, David, & Co., New York.		
Harness leathers.	B-6	697

Exhibit No.	Class'n No.	
118. Mooney, W. W., & Sons, Columbus, Ind.		
Harness and saddlery leather.		
	B-11	697
		Tanners and curriers of Superior Pure Oak Tanned Harness and Saddlery Leather. The Mooney leather is guaranteed to be absolutely pure oak-tanned and all hand-stuffed. It is recognized as the most economical cutting and satisfactorily working and wearing leather on the market.
119. Pfister & Vogel Leather Company, Milwaukee, Wis.	C-8	697
		Boston Agency, Nos. 161-165 Sumner St.
120. Reilly, Patrick, & Son, Newark, N. J.		
Patent and enameled leather.	A-28	697
120a. Rippman, C. A., Millerstown, Pa.		
Oak sole and rough skirting leather.		
	B-2	697
121. Sharp, Clarke & Co., Chicago.		
Leather for boots and shoes.	B-8	697
122. Shaw Leather Company, Boston.		
Grain split and calf leather and shoes same.	A-26	697
123. Smith, Hugh, Newark, N. J.		
a Patent and enameled leather.		
	A-27	700
b Upholstery leather.		
124. Smith's, Lyman, Sons Company, Norwood, Mass.		
a Sheep and lambskins.	A-19	697
b Sheepskin bindings and linings.		700
124a. Smoot, C. C. & Sons, Alexandria, Va.		
Scoured oak, slaughter, sole and belting leather.	A-12	697
124b. Stiles & Winslow, Boston, Mass.		
Colored morocco, goat and sheep skins.		
	A-18	697
125. Swift and Company, Chicago.		
Hides and skins.	A-17	697
		Attention especially called to variety of our classifications and superiority of material.
126. Trostel, Albert, & Sons, Milwaukee, Wis.		
a Tanned leathers.	A-25	697
b Kangaroo calf.		700
c Russia leather.		700
127. Walker-Oakley Company, Chicago.		
Calfskin leather.	C-11	697
128. Weed, James B., & Co., Binghamton, N. Y.		
Finished leather.	C-12	697
129a. Western Tannery & Glove Works, Chicago.		
Calf, kid, horse-hide and buckskin for gloves and shoes.	A-8	697
130. Wilder & Co., Chicago.		
a Horse hide.	A-31	697
b Sole leathers.		697

## Leather and Shoe Trades Exhibit.

Exhibit No.	Class'n No.
131. Woodside Patent Calf Manufacturing Company, Newark, N. J. Patent and enameled leather.	A-15 699
132. Zahn, William, Leather Company, Newark, N. J. Glazed and dongola kid leather.	A-9 699
133. Zohrlant, Herman, Leather Company, Milwaukee, Wis.	B-12
a Boot and plow shoe grains.	697
b Kangaroo calf leather.	700
c Oil leather.	702

## GROUP 121.

133a. Walter, C., Chicago. Polished animal horns, etc.	D-3
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Exhibits Classed in Other Departments  
but Installed in this Building.

## DEPARTMENT G.

## GROUP 88.

Vehicles and Methods of Transportation  
on Common Roads.

134. Kimball, C. P. & Co., Chicago. Coach, brougham, buggy and cart harnesses.	A-11 523
135. Whitman Saddle Co., New York. Equestrian goods.	A-1 523

## GROUP 84.

Aerial, Pneumatic and other forms of  
Transportation.

136. Bicycle Step-Ladder Co., Chicago. Rolling ladders for store and factory.	F-30 525
137. Gordon Traveling Ladder Co., Lexington, Ky. Traveling step ladders for shoe stores, libraries, etc.	F-31 525
138. Morley Bros., E. Saginaw, Mich. Railroad step-ladders for store and factory.	F-23 525

## DEPARTMENT F.

## GROUP 72.

Machinery for the Manufacture of Textile  
Fabrics and Clothing.

141. Aetna Boot & Shoe Hardware Co., Unionville, Conn. Boot and shoe heel nailing machine.	G-6 446
142. American Heeling Machine Co., Brockton, Mass. Lightning heeling machine.	G-8 446

Exhibit No.	Class'n No.
143. Auburn Crimping Machine Co., Auburn, Me. Crimping machines, etc.	G-9 446
144. Barrows, A., Brockton, Mass. Last and shoe rack.	A-1 446
145. Bertrand Lock-stitch Sewing Machine Co., Boston. Sole sewing machines, etc.	D-2 446
146. Vaughn Machine Co., Boston. Hide and leather-working machinery.	445
Agent for Europe, E. L. C. Schulz, 75 High St., Boston, Mass. U. S. A.	
147. Booth Bros., Rochester, N. Y. Turning and cording machines.	J-3 446
148. Boot & Shoe Sole Laying Co., Boston. Sole laying machines.	G-5 446
149. Bresnahan, Maurice V., & Co., Lynn, Mass. Automatic boot and shoe sole levelers.	B-1 446
150. Brett, Henry W., Boston. Shoe upper cementing machine.	F-8 446
151. Busell Trimmer Co., Boston. Edge trimmer.	D-4 446
152. Campbell Machine Co., Pawtucket, R. I. Shoe sewing machines.	G-12 446
153. Chase Lasting Machine Co., Boston. Shoe lasting machinery.	A-2 446
154. Consolidated Hand Method Lasting Machine Co., Boston. Shoe lasting machines.	A-3 446
155. Corrugated Rivet Co., San Francisco. Riveting machinery.	F-8 446
156. Elliott Button Fastener Co., Grand Rapids, Mich. Button attaching machine.	F-7 446
159. Felton, S. A. & Son Co., Manchester, N. H. Boot and shoe manufacturers' brushes.	G-14 446
160. Fifield, C. S. & Co., Boston. Shoe machinery.	G-5 446
161. Globe Buffer Co., Boston. Shoe machinery.	E-2 446
162. Globe Button Hole Machine Co., Boston. Shoe button-hole machinery.	J-2 446
Latest gold medal awarded at Mass. Charitable Mechanics' Association, 1892.	
163. Goodyear Shoe Machinery Co., Boston. Shoe machinery.	K & F-3 446
164. Harlow, Chas. F. & Co., Boston. Union wax thread sewing machines and shoe seam finisher.	F-8 446
165. Hartford Bros., Boston. Sole rounding and pattern drafting machines.	K-1 446
166. Hemingway Bros., Lynn, Mass. Leather working machinery.	G-15 446
166a. Higgins, J. A., & Co., Milford, Mass. Boot and shoe racks.	F-8 446

## Leather and Shoe Trades Exhibit.

Exhibit No.	Class'n No.	
167.	Boot and shoe machinery.	C-3 446
168.	Humphrey M'fg Co., Towanda, Pa. Shoe lining marker.	F-8 446
169.	Hupper, E. A., Lynn, Mass. Shoe racks.	F-8 446
170.	Jamison, S. W., Boot & Shoe Crimping machine Co., Boston. Boot and shoe crimping machines.	G-11 446
172.	Lacing Stud Co., Boston. Studs and stud setting machines.	D-2 446
173.	Leeson & Co., J. R., Boston. Thread winding machine.	C-6 446
174.	Lightening Beader Co., Springville, N. Y. Upper beading machines.	F-8 446
175.	Littleton, S. M., Brockton, Mass. Heel seat beading machine.	F-8 446
176.	Lufkin, R. H., Boston. Vamp folding machines.	F-8 446
177.	McKay Metallic Fastening Ass'n, Boston. Screw machine, nailer and slugger, strip tacker, etc.	E-4 446
178.	McKay & Bigelow Heeling Machine Ass'n, Boston. Heel compressing and attaching machines.	E-4 446
180.	Miller, O. A., Brockton, Mass. Boot and shoe trees and treeing machines.	C-7 446
181.	Morley Button Sewing Machine Co., Boston. Shoe button sewing machine.	J-1 446
182.	Naumkeag Buffing Machine Ass'n., Beverly, Mass. Machine and covers.	E-3 446
183.	Norris, T. A., Machinery Co., Brockton, Mass. Heel breast finishing machine.	B-2 446
184.	Osborne, H. F., Newark, N. J. Tools and machinery for saddle and harness-making.	A-23 445
185.	Philadelphia Barring Machine Co., Philadelphia. Barring and tacking machines.	J-4 446
186.	Reece Button-Hole Machine Co., Boston. Shoe button-hole sewing machines.	K-4 446
187.	Rockingham Machine Co., Exeter, N. H. Boot and shoe machinery.	G-3 446
188.	Ross-Moyer M'fg Co., Cincinnati. Shoe machinery.	F-2 446

Exhibit No.	Class'n No.	
189.	Sawyer Leather Machinery Co., Boston. Leather measuring machine.	G-2 446
	Agent for Europe, E. L. C. Schulz, 75 High St., Boston, Mass. U. S. A.	
190.	Saunders, S. L., Lynn, Mass. Shoe racks.	F-8 446
191.	Singer M'fg Co., New York. Sewing machines for leather work.	D-2 446
192.	Standard Rivet Co., Boston. Rivets and studs and machines for driving same.	G-10 446
193.	Stanley M'fg Co., Boston. Boot and shoe machinery.	E 6 446
194.	Steam Heated Horn Co., Boston. Steam heated horns for sole sewing machines.	F-4 446
195.	Stoddard Crimping Machine Co., Boston. Shoe crimping machinery.	G-10 446
196.	Swain-Fuller M'fg Co., Boston. Boot and shoe machinery.	G-4 446
196a.	Thompson, Judson L., M'fg Co., Waltham, Mass. Rivets and rivet machinery.	F-1 446
197.	Tripp Giant Leveler Co., Lynn, Mass. Leveling machines.	F-8 446
198.	Tubular Rivet Co., Boston. Rivets and rivet setting machines.	D-6 446
199.	Union Heel Trimmer Co., Boston. Boot and shoe heel trimming machines.	D-5 446
199a.	Union Leather Measuring Machine Co., Danversport, Mass. Leather measuring machine.	446
	This machine has no equal for accuracy, rapidity, ease and simplicity of action, and for low cost, both of running and of original purchase. Will meet all competitors in a trial for accurate measurement. Highest testimonials with price list.	
200.	Union Special Sewing Machine Co., Chicago. Leather sewing machines.	J-6 446
201.	Vaughn Machine Co., Boston, Mass. Hide and leather working machinery.	E-5 446
	Agent for Europe, E. L. C. Schulz, 75 High St., Boston, Mass., U. S. A.	
202.	Wire Grip Fastening Co., Boston. Slugging and nailing machine.	F-5 446
203.	Worcester, A. & Sons, Boston. Boot and shoe manufacturers' brushes.	F-8 446

Leather and Shoe Trades Exhibit.

DEPARTMENT G

## BRAZIL.

LOCATION-SEC. E.

Leather and Shoe Trades Exhibit.

## GROUP 104.

Exhibit No.	Class No.
Bazarte, Antonio, State of Ceara.	654
Leather hats.	654
Boris Brothers, State of Ceara.	654
Leather hats.	654
Castirano, Nicolas, State of Santa	656
atharina. Ladies' shoes.	656
Ceara, Central Commissioner of State	656
Boots and shoes.	656
Cox, H. B., State of Alagoas. Leather	654
its.	654
Crato, Commissioner of, State of	652
ara.	652
a Leather suit.	652
b Leather hat.	654
Engle, F., State of Rio Grande do Sul.	656
en's and women's shoes.	656
Giovani, Guvato, State of Rio Grande	656
Sul. Men's shoes.	656
Giovani, Chiusa, State of Rio Grande	656
Sul. Ladies' and gents' shoes.	656
Globo, Abota do, State of Rio de	656
neiro. Ladies and gents' shoes.	656
Gloeden, Geruzi, State of Rio Grande	656
Sul. Ladies' shippers.	656
Guedes & Irmas, State of Ceara.	652
ather suits.	652
Levy, Albert E., State of Alagoas.	652
z Leather suits.	652
y Leather hats.	654
Levy, Alberto, State of Alagoas.	654
ther hats.	654
Pernambuco, State of, Leather suits.	652
Piahy, Commissioner of, Ladies'	656
gents' shoes.	656
Queiseramobim, Commissioner of,	654
e of Ceara. Leather hats.	654
libefro Jose A. & Irmas, State of	656
anhao. Men's shoes.	656
Roberto, Joao, State of Piahy. Ladies'	656
children's shoes.	656
armento, Guilhermino Moraer, State	656
ara. Gents' seamless shoes.	656

## GROUP 108.

orges, Manoel Nogueira, State of	680
a. Wallets.	680
arcial, Commissioner of State of	678
. Valise.	678

## GROUP 111.

Exhibit No.	Class No.
23. Amazonas, State Commissioner of.	696
Hides and skins.	696
24. Benedicto, Commissioner, State of.	696
Fox skin.	696
25. Berrera, Antonio, State of Ceara.	696
Skins.	696
26. Boris Brothers, State of Ceara.	696
a Hides.	696
b Sole leather.	697
27. Campo Grande, Commissioner of.	696
Skins.	696
28. Cardoso & Sieburger, State of Rio	697
Grande. Buggy, saddle and harness	697
leather.	697
29. Ceara State of, Central Commissioner.	696
Hides and skins.	696
30. Finger, State of Rio Grande do Sul.	696
Skins.	696
31. Fontinelle, Jose Joaquin, State of	696
Ceara. Hides and skins.	696
32. Gable, Charles, State of Alagoas.	696
Deer-snake skins.	696
33. Gourca, State of Minas Geraes. Sole	697
leather.	697
34. Ico, Commissioner of, State of Ceara.	696
Hides and skins.	696
35. Joaquin, O., Paiva, State of Ceara.	696
Hides and skins.	696
36. Levy & Delmiro, State of Pernambuco.	696
Skins and hides.	696
37. Lisboa, Antonio dos Santos, State of	696
Rio Grande do Sul. Skins.	696
38. Louzada, Antonio Ferreira, State of	697
Rio Grande. Harness leather.	697
39. Maraham, State Commissioner of.	696
Skins and hides.	696
40. Miguel, Frederick, State of Rio	697
Grande. Sole leather.	697
41. Minas Geraes, Commissioner of,	696
a Skins.	696
b Leather.	697
42. Mineira, Commissioner of, State of	696
Minas Geraes. Skins.	696
43. Para, State of, Collective Exhibit.	696
Hides and skins.	696
44. Petrella, Antonio, State of Ceara.	696
Hides and skins.	696
45. Piahy, Commissioner of. Leather.	697

## Leather and Shoe Trades Exhibit.

Exhibit No.	Class'n No.
49. Prado, Antonio R., State of Ceara. Skins.	696
47. Richlin, Gebr, State of Santa Catharina. Hides and leather.	697
48. Rocha, A. F. de, & Co., State of Rio Grande. Sole leather.	697
49. Rochlin & Irmas, State of Santa Catharina. Sole leather.	697
50. Rossback Brothers, State of Pernambuco. Skins.	696
51. Sabino, Antonio, State of Ceara. Snake skins.	696
52. Sobral, Commissioner of, State of Ceara. Donkey hides and goat skins.	696
53. Sohn, Frederico, State of Santa Catharina. Sole leather.	697
54. Vieira, Annibal Fernandes, State of Ceara. Sole leather.	697

Exhibits Classed in other Departments,  
but Installed in This.

## DEPARTMENT A.

## GROUP 17.

## Miscellaneous Animal Products.

55. Boris Brothers, State of Ceara. Horns and hoofs.	90
56. Campo Grande, Commissioner of. Horns.	90
57. Lima, Goncalo Antonio, State of Pernambuco. Rolls of hair rope.	91
58. Mineira, Commissioner of Minas Geraes. Horns.	90

## DEPARTMENT C.

## GROUP 86.

## Wild Animals.

59. Colas, Jose Guardino Pinto, State of Maranham. Stuffed animals.	236
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## DEPARTMENT G.

## GROUP 83.

Vehicles and Methods of Transportation  
on Common Roads.

Exhibit No.	Class'n No.
60. Allemao, Jose, State of Rio Grande. Reins, halters, and head-stalls made of raw hide.	523
61. Bastos, Antonio Belarmino, State of Ceara. Saddles and leather strap.	523
62. Bezerra, Antonio, State of Ceara. Fetters and headstalls.	523
63. Borges, Manoel Nogueira, State of Ceara. Ladies' saddles.	523
64. Crato, Commissioner of, State of Ceara. Saddles.	523
65. Goncalves de Rosa, Amancio, State of Rio Grande. Reins, halters and head-stalls.	523
66. Jardim, Jose, State of Ceara. Halters and fetters.	523
67. Laydener, Joao Davio, State of Rio Grande. Whips.	523
68. Levy, Albert E., State of Alagoas. Whips.	523
69. Miguel, Frederick, State of Rio Grande. Saddle.	523
70. Minas Geraes, Commissioners of. Whips, cruppers and head-stalls, made of tapir hide.	523
71. Neves & Filho, State of Ceara. Goat leather, horse mantle.	523
72. Parcial, Commissioner of, State of Para. Harness and saddle.	523
73. Pernambuco, Commissioner of. Harness, saddles and whips.	523
74. Petsella, Antonio, State of Ceara. Halters and fetters.	523
75. Queiseramobim, Commissioner of, State of Ceara. Saddles.	523
76. Sampaio, M. Edsoxio, State of Rio Grande. Leather halters.	523
77. Schmitt, Nicolao, State of Rio Grande. Stamped leather horse mantles.	523
78. Schneider, Fernando Geo., State of Rio Grande do Sul. Saddle made of hog and goat's leather.	523
79. Wucherer, Alfredo, State of Alagoas. Whips.	523

# FRANCE.

LOCATION—SEC. D-8.

Leather and Shoe Trades Exhibit.

## GROUP 111.

Exhibit No.	Class No.	Exhibit No.	Class No.
1. Basset, Son Brothers & Co., Paris. Kid skins for shoes. 697		Sudres-Marlaves. Vayssieres-Sablayroles. Vignier, Marc. Villeneuve.	
2. Calixte Barande's Son, Paris. Enameled, gilded kid skins.		4. Combe & Oriol, Paris. Kid skins. 697	
3. Collective Exhibit of Leather Manufacturers of Granthet (Hiding skins). Andrel, Senior. Armengaud, Ernest. Armengaud, Leon. Armengaud, Charles. Augue, Justin & Co. Azemar & Peyre. Bardou Bros. Barthes, John. Berthoumieux, Charles. Bonstiven & Co. Boulade, Sr. Boulade, Jr. Bosc, August. Carvel, Son (Lewis). Cantayre Bros. Caphalan, Charles. Cathala. Cazelles & Batigne. Davy, G. Douziech, Oscar. Fabre-Laurens Son. Fonvieille & Combes. Fonvieille, Paul. A. Gau, James. Gaulene & Co. Glusse. Hiverseng, Father & Son. Hux, Elias. Julien, Jr. Laurens-Madirac, Mrs. Lavit & Co. Leavit & Grezes. Malet, Cadet. Malet, Stephen. Manavit, Joseph. Maurel & Estagieu. Maurel, Henri. Mauries, Armand. Mauries-Got & Sabatie. Perry, Senior. Perry, Antoine. Perry, Felix. Pons, Father & Son. Roques & Caxelles. Roques, Emil. Rouffiac, Mrs.		5. Courvoysier, Bourgoin & Co., Paris. Skins for gloves. 697	
		6. Courtois & Co., Paris. Curried leathers. 698	
		7. Deon, Ulysse, Sens. Rabbit skins dyed for furs. 698	
		8. Deschampes, Julius, Boishelle. Ox and cow hides. 699	
		9. Dollat Brothers, Paris. Wholesale hides, etc. 699	
		10. Floquet, Fernand, St. Denis (Seine). Morocco leather for tapestry. 700	
		11. Floquet, Gaston, St. Denis (Seine). Dressed sheepskins. 697	
		12. Guilleux, Louis, Paris. Dyed leathers. 697	
		13. Guillon & Son, Paris. Calf, kid and sheep skins and curried goat skins. 698	
		14. Lafrique & Pinton, Paris. Skins and hair for hat manufacturing. 702	
		15. Leven, Bros. & Son, Paris. Patent and enameled calf skins. 699	
		16. Masurel & Caen, N. Croix. Wools and leathers. 697	
		17. Meyssonier Son, Annonay. Tanned and curried calf skins. 698	
		18. Pedalhes, A., Paris. Calf skin. 697	
		19. Petitpoat & Co., Paris. Morocco, calf and sheep skins. 699	
		20. Pinede, Gustave, Bayonne. Lamb and sheep skins. 697	
		21. Poullain-Beurrier, Paris. Leather belting. 704	
		22. Richard, Paris. Professional (Trade) papers.	
		23. Salasc, Benj., Bedarieux. Sheep skins, rough, and washed wools. 697	
		24. Senat Co., Aubervilliers. Patent and enameled leathers. 699	
		25. Sueur Son, Paris. Patent and enameled leathers. 699	
		26. Trefousse & Co., Chaumont. Kid skins, dyed. 697	
		27. Ulmo, Simon, Lyons. Smoothed leathers; white calf skins. 697	
		28. Vincent, Charles, Son. Trade papers.	
		29. Vuitton, Louis, Paris. Trunks and bags. 697	

# FRANCE

## GERMANY

LOCATION—SEC. B-3.

### Leather and Shoe Trades Exhibit.

#### GROUP 88.

Exhibit No.	Class No.
1. Fleisch, Carl, Frankfurt. Tanning extracts and chemicals used for finishing leather.	652

#### GROUP 104.

2. Asch, Albert, Berlin. Leggings of horse leather, etc.	656
3. Bender, Paul, i. F. A. Bender, Halle-on-the-Saale. Reform shoes.	658
4. Eckhardt, Louis, Homburg v. d. Hoche. Boots, shoes, etc.	658
5. Leder & Haarschaeft, Offenborg, Baden. Boot and shoe uppers.	658
6. Lotz, Chr. Soehne, Kaiserslautern. Shoes with wooden soles.	658
7. Seifert & Kloeber, Maila-Bavaria. Boots.	656
8. Wickle, H., Halle. Boots and shoes.	656

#### GROUP 109.

9. Schwanitz, Carl, Berlin. Fire hose belting, etc.	689
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#### GROUP 111.

10. Berger, Heinrich, Ostritz-Saxony. Lacquered cow and horse hides.	699
11. Bruederlein, Emil, Poesneck. Lacquered cow, sheep and calf leather.	699
12. Bruening, H. W., F. Spanger-Holstein. Horse leather.	700
13. Caprano, Heinrich, Charlottenberg. a Sheep skins.	697
b Curried goat skins.	698

Exhibit No.	Class No.
14. Elstatter, R., Muhlburg, Baden. Glazed kid skins.	699
15. Fischer, F. & Co., Offenborg-Baden. Hair calf skins.	696
16. Heil, J., Wandsbek, near Hamburg. a Leather for saddles.	697
b Leather for purses.	699
17. Niedersheinische Aktiengesellschaft fuer Lederfabrikation, vorm Z. Spier, Vickrath-Rhine-Province. Dyed and split leather.	697
18. Perlinger, August, Fuerth-Bavaria. Leather.	697
19. Schmidt, F. L., Eckernfoerde. Curried horse leather.	696
20. Simon, Wilh. Kirn-on-the-Nahe. Leather.	697
21. Voelker, Julius, Eisenberg-Saxony, Alkenburg. Horse leather.	697
22. Waeldin, Huber, Lahr-Baden. Colored and black morocco.	699
23. Weithase, R., & Co., Poesneck. Lacquered sheep skins.	697
24. Wildbrett, Carl, Augsburg. Parchment.	703
25. Wuelkwitz, Louis, Kirchheim, Nieder-Lausitz. Sheep skin.	696
26. Zix, Louis, & Soehne, Nach von Rich & Aug. Korn, Saarbruecken. a Tanned leather.	697
b Leather belting.	704

## Leather and Shoe Trades Exhibit.

## JAPAN.

## LOCATION—SECS. D. D.

## Leather and Shoe Trades Exhibit.

Exhibit No.	Class'n No.	Description	Exhibit No.	Class'n No.	Description
1	657	Avila, Venustiano, La Piedad, V. White satin, embroidered low shoes, sample of local general footwear.	5	697	Ihei Suga, Hyogo. Leather.
2	656	Beirano, Ignacio, Mexico City. Men's shoes.	6	698	Kocchibay, Yura, Osaka. Curried leather.
3	656	Brondo, Encarnacion, Mexico City. Men's shoes.	7	697	Kokichi Tanaka, Tokyo. Leather work.
4	698	Carrero, Cesar, Monterrey. Deer leather.	8	697	Nagasaki, Leather Manufacturing Company, Nagasaki. Leather.
5	698	Choiro Nitta, Osaka. Curried leather.	9	698	Seihiro Ino, Osaka. Curried leather.
6	698	Daiiro Kumagai, Tokyo. Embossed leather.	10	705	Shinjiro Matsukane, Tokyo. Leather work.
7	698	Iemon Sato, Tokyo. Leather work.			

## MEXICO.

## LOCATION—SECS. C and D.

## Leather and Shoe Trades Exhibit.

## GROUP 104.

Exhibit No.	Class'n No.	Description	Exhibit No.	Class'n No.	Description
1	656	Bueno, Carlos, Puebla. White satin, embroidered low shoes, sample of local general footwear.	12	657	Penitentiary of Salamanca, Workshops, Salamanca. Buckskin suits.
2	656	Committee, Local, Cuernavaca. Pair of native sandals, lizard skins.	13	656	Public School of Arts and Trades, the shops of the school, Toluca. Ladies' and gentlemen's shoes.
3	656	Fung Lung Chung, Ures. Men's shoes.	13a	656	Public School of Arts and Trades, the shops of the school, Morelia. Ladies' and gent's goat skin suits; shoes.
4	656	Gómez, Antonio, Durango. Shoes, various styles.	14	657	Rodriguez, Damaso, Saltillo. Shoes and buckskin.
5	656	Gonzales, Muñoz M., Mexico City. Gentlemen's shoes and lasts.	15	656	Rodriguez, Victoriano, San Luis Potosi. Buckskin suit and gloves.
6	656	Hernandez, Natividad, Durango. Riding boots.	16	656	Rojas, Pena Francisco, Toluca. Babies' shoes.
7	656	Legorreta, Vicente, Toluca. Ladies' and gent's shoes.	17	656	Rus, Andres, Merida. Shoes.
8	656	Leon, Vicente de, Monterrey. Men's shoes.	18	656	Jesus, Jacques, Durango. Shoes various styles.
9	656	Manzano, Roberto, Merida. Shoes.	19	656	Valdes, Porfirio, Saltillo. Shoes, local styles.
10	656	Núñez, Estanislao, Monterrey. Boots and shoes.			
11	656	Official Orphans' Asylum, Shops of he, Zacatecas. Boots and shoes of all kinds.			

## GROUP 111.

20.	Arrendaiz, Francisco, Monterrey.	696
	Hides and skins, sole leather.	

## Leather and Shoe Trades Exhibit.

Exhibit No.	Class'n No.
21. Avila, Venustiano, LaPiedad. Various skins.	696
22. Bejarano, Ignacio, Mexico City. Wolves' skins.	696
23. Brondo, Encarnacion, Monterrey. Deer skins.	696
24. Cantu, Cesareo, Monterrey. Deer skins.	696
25. Chavez, Felipe Ruiz de, Aguascalientes. Hides and skins.	696
26. Chavez, Gregorio, Oaxaca. Wild cat skins, shoes, sole leather, calf skins, etc.	696
27. Chisem, P. B., Ures. Sole leather.	697
28. Committee, Local, Campeche. Fish skins cut in the rough, embroidered leather, alligator skins, etc.	700
29. Committee, Local, Jalapa. Raw hides.	696
30. Committee, Local, San Juan Bautista. Alligator and shoe skins.	700
31. Cravioto, Rafael, Pachuca. Goat skins.	696
32. Francisco, O. Arce, Bravos City. Various skins.	696
33. Garcia, Emilio, & Co., Colima. Sole leathers.	697
34. Gonzalez, Cosio Francisco, Queretaro. Deer and goat skins.	696
35. Lartigue, Aurelio, Monterrey. Tiger skins, sheep skins.	697
36. Lessance, Sucesor A., Mexico City. Leather belts.	696

Exhibit No.	Class'n No.
37. Lopez, Alberto, Monterrey. Black goat-skins.	696
38. Martinez, Mucio General, Puebla. Hides and skins.	696
39. Menchaca, Santiago, Monterrey. Various hides and skins.	696
40. Mercado, Aristeo, Morelia. Sole leather, kid skins, goat skins, etc.	697
41. Moreno, Miguel, City of Teocaltiche. Shoe leathers.	697
42. Ojeda, Victoriano, San Luis Potosi. Printed buckskins, patent leather skins, etc.	699
43. Zetina, Benito, Merida. Various skins.	696
44. Portillo, Rosario, Durango. Sole leather, hides and skins.	697
46. Ramirez, Felipe, Tula. Ox-hides.	696
47. Raphael, Brachio, Durango. Skins of different animals.	696
48. Rodriguez, R., Tula. Ox-hides	696
49. Romano, Leopoldo, Tepic. Alligators, tiger and other skins.	700
50. Soberon, M. H., San Luis Potosi. Buckskins.	696
51. Tames, Jacinto, Linares. Collection of hides and skins.	696
52. Zetina, C. B., Mexico City. Calf skins, sheep skins, goat skins.	697
53. Quintanilla, Andres, Monterrey. Various hides and skins.	696

# RUSSIA.

LOCATION—SEC. C-3.

## Leather and Shoe Trades Exhibit.

### GROUP 104.

Exhibit No.	Class'n No.
1. Bogdanoff, V. F., St. Petersburg. Boots and shoes.	656
2. Boots & Shoes M'fg Co., St. Petersburg. Boots and shoes.	656
3. Dishko, V., St. Petersburg. Boots and shoes.	656
4. Galevff, M. I., Kazan. Boots and shoes.	656
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## URUGUAY.

301101-2201

Leather and Shoe Trades Exhibit.  
Leather and Shoe Trades Exhibit

## GROUP 104.

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## GROUP 105.

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## Exhibit No.

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U.S. Government Building

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# WORLD'S COLUMBIAN EXPOSITION

1893

## OFFICIAL CATALOGUE

### UNITED STATES GOVERNMENT BUILDING

PART XVI.

---

#### BOARD OF CONTROL AND MANAGEMENT.

EDWIN WILLITS, DEPT. OF AGRICULTURE, CHAIRMAN.

WM. W. ROCKWELL, DEPT. OF STATE.

FRED. A. STOCKS, TREASURY DEPT.

MAJ. CLIFTON COMLY, U. S. A. WAR DEPT.

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AND NATIONAL MUSEUM.

TARLETON H. BEAN, U. S. FISH COMMISSION.

F. T. BICKFORD, SECRETARY AND EXECUTIVE OFFICER.

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EDITED BY

THE DEPARTMENT OF PUBLICITY AND PROMOTION,

M. P. HANDY, CHIEF.

---

CHICAGO:  
W. B. CONKEY COMPANY, PUBLISHERS  
TO THE  
WORLD'S COLUMBIAN EXPOSITION,  
1893.



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THE UNITED STATES GOVERNMENT

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UNITED STATES

GOVERNMENT PRINTING

1893

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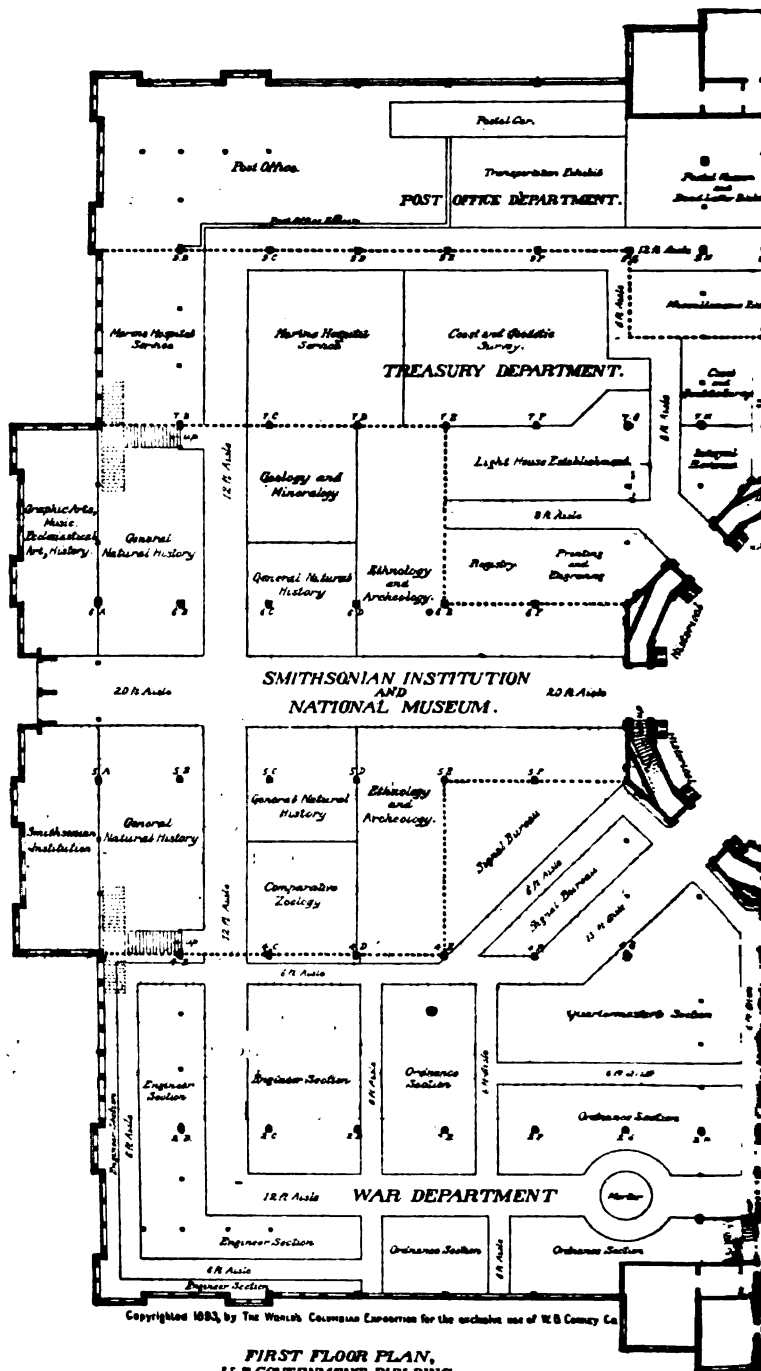
## UNITED STATES GOVERNMENT BUILDING.

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**T**HIS structure is 420 feet long by 350 feet in width, its main floor covering an area of 157,500 square feet. Its galleries have an area of 33,500 square feet additional, making a total of 191,000 square feet of floor space. Of this area about 175,500 square feet are devoted to exhibit purposes and circulation and 16,500 square feet to offices and corridors.

The building was designed by the supervising architect of the treasury, and erected under his supervision. It is of "modern renaissance" architecture, the main feature being a central dome 120 feet in diameter, and 275 feet from the ground to the top of the flag pole. This dome is constructed of steel, and is supported on sixteen columns. The entire cost of the main building was \$325,000, or \$2.07 per square foot of its floor area, or three cents per foot of its cubic space.

The limit of cost for the Government Buildings at the World's Columbian Exposition was fixed by law at \$400,000. From the balance of the appropriation not consumed in the erection of the main building four auxiliary structures have been erected, specially adapted to the exhibits of the United States Naval Observatory, the United States Army Medical Department, and for the Weather and Indian Bureaus respectively.



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**FIRST FLOOR PLAN,  
U.S. GOVERNMENT BUILDING,  
WORLD'S COLUMBIAN EXPOSITION,  
CHICAGO, 1893.  
SHOWING DEPARTMENT AND BUREAU DIVISIONS.**



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## DIAGRAM NOTES.

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An exhibit of the resources of Alaska is to be found in the north gallery, to be reached by the stairs near Post 7-R.

An exhibit of the supervising architect's office of the Treasury, and of postage stamps under the Postoffice Department, is to be found in the south gallery, and to be reached by the stairs at Post 7-B.

The commercial exhibit made by the Department of State is to be found in the east gallery, which may be reached by the stairs at Post 1-I and 1-K.

# Exhibit of the Government of the United States.

---

The exhibit by the Government of the United States, catalogued in this volume, was authorized by the Act of Congress, approved April 25, 1890.

The sections governing the matter are as follows :

SECTION 16. That there shall be exhibited at said exposition by the Government of the United States, from its Executive Departments, the Smithsonian Institution, the United States Fish Commission and the National Museum, such articles and materials as illustrate the function and administrative faculty of the Government in time of peace, and its resources as a war power, tending to demonstrate the nature of our institutions and their adaptation to the wants of the people; and to secure a complete and harmonious arrangement of such a Government exhibit, a board shall be created to be charged with the selection, preparation, arrangement, safe-keeping, and exhibition of such articles and materials as the heads of the several Departments, and the directors of the Smithsonian Institution and National Museum may respectively decide shall be embraced in said Government exhibit. The President may also designate additional articles for exhibition. Such board shall be composed of one person to be named by the head of each Executive Department, and one by the directors of the Smithsonian Institution and National Museum, and one by the Fish Commission, such selections to be approved by the President of the United States. The President shall name the chairman of said board, and the board itself shall select such other officers as it may deem necessary.

That the Secretary of the Treasury is hereby authorized and directed to place on exhibition, upon such grounds as shall be allotted for the purpose, one of the life-saving stations authorized to be constructed on the coast of the United States by existing law, and to cause the same to be fully equipped with

all apparatus, furniture and appliances now in use in all life-saving stations in the United States, said building and apparatus to be removed at the close of the exhibition and re-erected at the place now authorized by law.

SEC. 17. That the Secretary of the Treasury shall cause a suitable building or buildings to be erected on the site selected for the World's Columbian Exposition for the government exhibits, as provided in this act, and he is hereby authorized and directed to contract therefor, in the same manner and under the same regulations as for other public buildings of the United States; but the contracts for said building or buildings shall not exceed the sum of four hundred thousand dollars, and for the remainder of the fiscal year and for the fiscal year ending June thirtieth, eighteen hundred and ninety-one, there is hereby appropriated for said building or buildings, out of any money in the treasury not otherwise appropriated, the sum of one hundred thousand dollars. The Secretary of the Treasury shall cause the said building or buildings to be constructed, as far as possible, of iron, steel and glass, or of such other material as may be taken out and sold to the best advantage; and he is authorized and required to dispose of such building or buildings, or the material composing the same, at the close of the exposition, giving preference to the city of Chicago, or to the said World's Exposition of eighteen hundred and ninety-two, to purchase the same at an appraised value, to be ascertained in such manner as he may determine.

SEC. 18. That for the purpose of paying the expenses of transportation, care and custody of exhibits by the government and the maintenance of the buildings or buildings hereinbefore provided for, and the safe return of articles belonging to the said government exhibit, and for the expenses of the commission created by this act, and other contingent expenses, to be approved by the Secretary of the Treasury, upon itemized accounts and vouchers, there is hereby appropriated for the remainder of this fiscal year and for the fiscal year ending June thirtieth, eighteen hundred and ninety-one, out of any money in the treasury not otherwise appropriated, the sum of two hundred thousand dollars, or so much thereof as may be necessary: *Provided*, That the United States shall not be liable, on account of the erection of buildings, expenses of the commission or any of its officers or employes, or on account of any expenses incident to or growing out of said exposition for a sum exceeding in the aggregate one million five hundred thousand dollars.

In compliance with the provisions embodied in Section 16 above quoted, the President, by executive order of August 19, 1890, appointed a "Board of Control and Management of the Government Exhibit at the World's Columbian Exhibition," composed as follows:

Sevellon A. Brown, Chief Clerk, Department of State.  
A. B. Nettleton, Assistant Secretary, Treasury Department.  
Major Clifton Comly, United States Army, War Department.  
Captain R. W. Meade, United States Navy, Navy Department.

## UNITED STATES GOVERNMENT EXHIBIT.

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A. D. Hazen, Third Assistant Postmaster General, Postoffice Department,  
H. A. Taylor, Commissioner of Railroads, Department of the Interior,  
E. C. Foster, General Agent, Department of Justice.  
Edwin Willits, Assistant Secretary, Department of Agriculture.  
G. Brown Goode, Assistant Secretary, Smithsonian Institution and National Museum.  
J. W. Collins, Assistant, United States Fish Commission:

And further the President, by the same order, designated Honorable Edwin Willits to be the Chairman of said Board. This Board held its first regular meeting on the 3d of September, 1890, and completed its organization by the election of Mr. F. T. Bickford as Secretary.

A study of the law, with a view to the development of the powers conferred, and duties and limitations imposed upon the Board, disclosed many features which were susceptible of more than one interpretation; and recourse was had to the law officers of the Treasury for guidance.

Under the provision of Section 18, which subjects the "itemized accounts and vouchers" to the approval of the Secretary of the Treasury, jurisdiction in detail over the affairs of the Board was assumed by officials of that department, and their rulings have formed, of necessity, the dominant standard of judgment. By virtue of an early ruling based upon the provision of Section 16, which empowers the heads of the Executive Departments, and the directors of the Smithsonian Institution and National Museum, and of the United States Fish Commission, to designate the articles which should compose the contributions of their respective branches, the initiative in respect to each article exhibited was vested in the heads of the branches, while the power of final approval being retained in the Treasury, the Board of Management served as an intermediary between the two authorities.

The exhibit of the government, prepared in accordance with the terms of the law, consists of "articles and materials," illustrative of the functions of the government; and while no branch of the government has been excluded by any authoritative act, yet in consideration of the limitations of space and money, reference has been given to those branches whose functions were

found to be most susceptible of illustration by "articles and materials," as distinguished from those whose jurisdiction covered facts, processes, and, in general terms, information. Thus, it is that many of the sub-branches of the government, as for example, the accounting, auditing, law, diplomatic, financial and statistical offices are represented by small exhibits, or by none at all; these having an advantage over their fellows in the fact that their operations are made accessible to the public in annual reports and special bulletins.

The retirement from public life of some of the officials originally designated to comprise the Board of Control and Management has given rise to certain changes; and the board, as it exists at the date hereof, is composed as indicated on the title page of this volume.

Washington, D. C., April 12, 1893.

# THE EXECUTIVE MANSION AND DEPARTMENT OF STATE.

## EXECUTIVE MANSION.

Exhibit  
No.

1. **Portrait of Grover Cleveland**, twenty-fourth President of the United States.
2. **Photograph of the executive mansion at Washington.**
3. **Workings of the President's office.** Blank form of nomination to the Senate. Seal of the President's office. Engraved blanks for official entertainments by the President. Blank forms for referring communications to the executive departments. Samples of stationery used in the President's office. Blank warrant authorizing the Secretary of State to affix the seal of the United States to executive instruments. Blank commissions for appointment of cabinet officers, diplomatic officers and others.

## DEPARTMENT OF STATE.

1. **Workings of the Diplomatic Bureau.** Sample written instructions to diplomatic officers of the United States, and sample notes to diplomatic officers accredited to the Government of the United States. Sample letters from the President of the United States to the head of a foreign government, accrediting ambassadors or ministers, and recalling them.
2. **Workings of the Consular Bureau.** Circular instructions to consuls of the United States. Written instructions to consuls. Sample dispatch from a consul to the home government. Consular regulations which govern the consular corps.
3. **Workings of the Bureau of Statistics.** Circular instructions to consuls to prepare trade reports. Sample publications of consular reports, both regular and special.
4. **Workings of the Bureau of Accounts.** Sample blanks for salary and contingent accounts of diplomatic and consular officers of the United States. Sample letters written in the bureau. Volume of old accounts. Circulars relating to the sale of the volumes and pamphlets of United States laws.

Exhibit  
No.

5. **Workings of the Bureau of Indexes and Archives.** Sample index cards showing index system. Sample sheets illustrating the method of indexing incoming and outgoing mails. Blank requisitions for printing by the Government Printing Office.
6. **Workings of the Bureau of Rolls and Library.** Sample circulars relating to search among historical archives for information. Blanks relating to distribution of publications of the Department of State. Sample letters written in the bureau. Proof of bills and laws, showing method of preparing the laws of the United States for printing.
7. **Workings of the Bureau of Commissions and Pardon.** Blank authorizing the affixing of the seal of the United States to executive instruments. Sample of warrant of pardon issued by the President to an offender against the laws of the United States. Blank form of exequatur recognizing the consular representative of a foreign power. Blank oath of allegiance and of office. Blank warrant of extradition surrendering a criminal who has fled to the United States from the jurisdiction of a foreign government; calling upon a foreign government to surrender a fugitive from the justice of the United States; to apprehend and examine a fugitive from the justice of a foreign power. (See also under workings of the President's office.)
8. **Workings of the Passport Bureau.** Blank forms of passports issued to citizens of the United States proceeding abroad. Circulars of instruction relative to passports. Blanks illustrating the authentication of official papers under the seal of the Department of State.
9. **Publications of the Department of State.** Sample volumes of various publications issued under the authority of the Department of State at the present day and in the past.
10. **The Seal of the United States.** The obverse, which is the legal representation of the national coat of arms, emblazoned in oils according to the provision of the Act of Congress creating it.
11. **The development of the Seal of the United States.** Illustrations reproduced from the manuscript reports of committees of the Continental Congress showing the various designs submitted; also the emblazoned obverse and reverse.
12. **Letters from heads of Foreign Governments to the President of the United States.**
  1. Louis, King of France, acknowledging receipt of the letter recalling Thomas Jefferson as Minister to France. December 11, 1790.
  2. Louis, King of France, recalling M. Moustier as Minister to the United States.
  3. Representatives of the French people (Robespierre and others) conveying information of the formation of the French republic. Second year of the Republic.

Exhibit  
No.

4. Representatives of the French people (Robespierre and others) accrediting a new Minister to the United States. Second year of the Republic.
5. Executive Provisional Council of France accrediting Fouchet as Minister to the United States. Second year of the Republic.
6. Representatives of the French people accrediting Adet as Minister to the United States. Third year of the Republic.
7. Napoleon Bonaparte announcing the marriage of Prince Eugene. February 7, 1806.
8. Napoleon Bonaparte announcing the birth of a Princess. March 30, 1809.
9. Napoleon Bonaparte announcing his marriage to the Princess Marie Louise. April 5, 1810.
10. Jerome Napoleon, King of Westphalia, announcing his accession to the throne. January 12, 1808.
11. Carnot, President of the French Republic, announcing his accession to office. December 8, 1887.
12. Victoria, Queen of England and Empress of India, announcing the birth of a Prince. November 30, 1888.
13. Alexander I, Czar of Russia, recalling Mr. Dashkoff, Minister to the United States. June 17, 1817.
14. Alexander III, Czar of Russia, recalling Mr. de Struve, Minister to the United States. August 11, 1892.
15. Christian VII, King of Denmark, recalling Mr. Oleson, Minister Resident and Consul-General to the United States. April 5, 1805.
16. Maria, Queen of Portugal, expressing friendship for the United States. August 2, 1787.
17. Charles, King of Portugal, announcing the birth of a Prince. December 19, 1889.
18. Louis Napoleon, King of Holland, announcing his accession to the throne. September 20, 1806.
19. William, King of Holland announcing the marriage of a Prince. March 6, 1816.
20. Emma, Queen Regent of the Netherlands, accrediting Mr. von Weckerlin as Minister to the United States. December 24, 1890.
21. Alphonso XIII, King of Spain through Maria Christina, accrediting Mr. Muruaga as Minister to the United States. January 12, 1893.
22. George I, King of Greece, announcing the birth of a Prince. September 9, 1879.
23. Leopold, King of Belgium, announcing the death of a Prince. January 29, 1891.
24. Oscar II, King of Sweden and Norway, recalling Minister Reuter-skiold, Minister to the United States. October 9, 1888.

Exhibit  
No.

25. Humbert I, King of Italy, announcing the death of a Prince. January 29, 1890.
26. President of the Swiss Confederation acknowledging the credentials of Mr. Cheney as Minister of the United States. January 29, 1893.
27. Francis Joseph, Emperor of Austria and King of Hungary, announcing the marriage of a Prince. January 27, 1893.
28. William I, Emperor of Germany and King of Prussia, announcing the recall of Mr. von Alvensleben, Minister to the United States. January 26, 1888.
29. William II, Emperor of Germany and King of Prussia, announcing his accession to the throne.
30. Miguel Antonio Caro, Vice-President of the Republic of Colombia, announcing his election to office. August 29, 1892.
31. Luis Saenz Peña, President of the Argentine Republic, announcing his accession to office. October 10, 1892.
32. Porfirio Diaz, President of the United States of Mexico, announcing his re-election to office. December 1, 1892.
33. Mariano Baptista, President of Bolivia, announcing his accession to office. August 16, 1892.
34. Manoel Deodoro da Fonseca, Chief Provisional Government of Brazil, acknowledging recall of Mr. Adams, Minister of the United States. December 27, 1890.
35. Barnardo Soto, President of Costa Rica, expressing thanks for the services of the President of the United States as arbitrator of boundary dispute between Costa Rica and Nicaragua. April 21, 1888.
36. Luis Cordero, President of Ecuador, announcing his accession to office. July 1, 1892.
37. Jorge Montt, President of Chile, announcing his accession to office. December 26, 1891.
38. J. James Cheeseman, President of Liberia, announcing his accession to office. February 15, 1892.
39. Carlos Ezeta, President of Salvador, accrediting Dr. Morales as Minister to the United States. December 24, 1891.
40. Joaquin Crespo, President of Venezuela, accrediting Mr. Bustamente as Minister to the United States. November 1, 1892.
41. Maximo Fajes, President of the Oriental Republic of Uruguay, acknowledging letter accrediting Mr. Bacon as Minister of the United States. November 12, 1889.
42. Manuel L. Barillas, President of Guatemala, accrediting Mr. Batres as Minister to the United States. March 23, 1891.
43. Alexander Petion, President of Hayti, thanking the President for the return of Haytians in the United States vessel to their native land. January 29, 1809.

Exhibit  
No.

44. Emperor and Empress of Brazil relative to recall of Mr. Hilliard as Minister of the United States. January 14, 1892.
45. Ahmet Caramalli, Bey of Tripoli, thanking the President for reinstating him on the throne.
46. Sultan of Zanzibar acknowledging the President's letter of friendship. January 19, 1884.
47. Kalakaua, King of Hawaii, announcing the death of a Princess. February 4, 1887.
48. Liliuokalani, Queen of Hawaii, accrediting Mr. Mott Smith as Minister to the United States. January 28, 1892.
49. Toorkey bin Said, Sultan of Maskat, congratulating President Cleveland on his accession to office. May 10, 1885.
50. Chulalongkorn, King of Siam, announcing recall of Minister of Siam to the United States. May 5, 1887.
51. Ranavalomaniaka, Queen of Madagascar, credentials of her envoys to the United States. July 19, 1882.
52. The Shah of Persia, acknowledging letter recalling Mr. Pratt as Minister to the United States.
53. Credentials of the Chinese minister.
13. The several buildings occupied by the Department of Foreign Affairs and the Department of State from 1781 to the present day.
  1. No. 13 South Sixth street, Philadelphia. October, 1781, to June, 1783.
  2. Broad and Pearl streets, New York City. January, 1785, to May, 1788.
  3. Fifth and Chestnut streets, Philadelphia. August, 1798, to May, 1800.
  4. State House at Trenton, New Jersey. August 15 to November 15, 1798.
  5. Seventeenth street, Washington. May, 1801, to August, 1814, and April, 1816, to December, 1819.
  6. G street, Washington. September, 1814, to April, 1816.
  7. Pennsylvania avenue and Fifteenth street, Washington. January, 1820, to October, 1866.
  8. Fourteenth and S streets, Washington. October, 1866, to July, 1875.
  9. Building now occupied, Washington. July, 1875.
14. Site of the City of Washington when it was adopted as the seat of government.
 

Plan of the Capital City as originally submitted to Congress.
15. Old form of ship's manifest formerly used in the United States and issued by the Department of State.
16. Wash drawings of the Secretaries of Foreign Affairs and Secretaries of State, 1781 to 1893.
  1. Robert R. Livingston, New York. Elected by Congress, Secretary for Foreign Affairs, September 23, 1781.

Exhibit  
No.

2. John Jay, New York. Elected Secretary for Foreign Affairs, September 21, 1784. Served by continuance as Secretary of State, until the appointment of Thomas Jefferson.
3. Thomas Jefferson, Virginia. Appointed Secretary of State September 26, 1789.
4. Edmund Randolph, Virginia. Appointed January 2, 1794.
5. Timothy Pickering, Pennsylvania. Appointed December 10, 1795.
6. John Marshall, Virginia. Appointed May 13, 1800.
7. James Madison, Virginia. Appointed March 5, 1801.
8. Robert Smith, Maryland. Appointed March 6, 1809.
9. James Monroe, Virginia. Appointed April 2, 1811.
10. John Quincy Adams, Massachusetts. Appointed March 5, 1817.
11. Henry Clay, Kentucky. Appointed March 7, 1825.
12. Martin Van Buren, New York. Appointed March 6, 1829.
13. Edward Livingston, Louisiana. Appointed May 24, 1831.
14. Louis McLane, Delaware. Appointed May 29, 1833.
15. John Forsyth, Georgia. Appointed June 27, 1834.
16. Daniel Webster, Massachusetts. Appointed March 5, 1841. July 22, 1850.
17. Hugh S. Legare, South Carolina. Appointed May 9, 1843.
18. Abel P. Upshur, Virginia. Appointed July 24, 1843.
19. John Nelson, Maryland (Acting). Appointed February 29, 1844.
20. John C. Calhoun, South Carolina. Appointed March 6, 1844.
21. James Buchanan, Pennsylvania. Appointed March 6, 1845.
22. John M. Clayton, Delaware. Appointed March 7, 1849.
23. Edward Everett, Massachusetts. Appointed November 6, 1852.
24. William L. Marcy, New York. Appointed March 7, 1853.
25. Louis Cass, Michigan. Appointed March 6, 1857.
26. Jeremiah S. Black, Pennsylvania. Appointed December 17, 1860.
27. William H. Seward, New York. Appointed March 5, 1861.
28. Elihu B. Washburne, Illinois. Appointed March 5, 1869.
29. Hamilton Fish, New York. Appointed March 11, 1869.
30. William M. Evarts, New York. Appointed March 12, 1877.
31. James G. Blaine, Maine. Appointed March 5, 1881. March 5, 1889.
32. Frederick T. Frelinghuysen, New Jersey. Appointed December 12, 1881.
33. Thomas F. Bayard, Delaware. Appointed March 6, 1885.
34. John W. Foster, Indiana. Appointed June 29, 1892.
35. Walter Q. Gresham, Illinois. Appointed March 6, 1893.
36. Presentation to the United States of the statue by Bartholdi of Liberty Enlightening the World now standing in the harbor of the City of New York.
  1. Original deed of gift to the United States.
  2. Acceptance of the gift.
37. Maps showing the growth of the diplomatic and consular representation of the United States in foreign countries.

Exhibit  
No.

1. Map showing the diplomatic representation of the United States in 1776.
2. Map showing the diplomatic and consular representation of the United States in 1800.
3. Map showing the diplomatic and consular representation of the United States in 1840.
4. Map showing the diplomatic and consular representation of the United States in 1880.
5. Map showing the diplomatic and consular representation of the United States in 1892.

**19. Maps showing the expansion of the territory of the United States under Treaty Provisions.**

1. Territory of the United States in 1789. The Preliminary Treaty of Peace with Great Britain, signed at Paris, November 30, 1782, with a separate article relative to the boundary of the United States, was followed September 3, 1783, by the Definitive Treaty of Peace, Article II of which defined the boundary line. It was signed at Paris by John Adams, Benjamin Franklin and John Jay acting for the United States, and by D. Hartley for Great Britain. This map shows what was considered to be the actual territory of the United States when the Constitution was adopted.
2. Territory of the United States in 1803. On April 30, 1803, was signed at Paris the treaty for the cession of Louisiana to the United States. The plenipotentiaries on the part of the United States being Robert R. Livingston and James Monroe, and the plenipotentiary on the part of France was Barbe Marbois. By a convention concluded the same day the United States agreed to pay sixty million francs for the newly acquired territory.
3. Territory of the United States in 1821. On February 22, 1819, was concluded at Washington a treaty with Spain, by Article II, of which the territory then known as East and West Florida was ceded to the United States. The negotiators of the treaty were John Quincy Adams, Secretary of State, on the part of the United States, and Luis de Onís, plenipotentiary of Spain, on the part of Spain.
4. Territory of the United States in 1845. (Texas annexation.)
5. Territory of the United States in 1848. On February 2, 1848, was concluded the "Treaty of Friendship, Limits and Settlement" between the United States and Mexico, which terminated the war between the two countries, and the fifth article of which defined the boundary line. It was signed at the city of Guadeloupe Hidalgo by N. P. Trist, plenipotentiary on the part of the United States, and by Luis G. Cuevas, Bernardo Couto and Migl. Atristain, plenipotentiaries on the part of Mexico.

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6. Territory of the United States in 1853. On December 30, 1853, an additional treaty relative to the boundary with Mexico was concluded at Mexico, being signed by James Gadsden, plenipotentiary on behalf of the United States, and Manuel Diez de Bonilla, Jose Salazar Ylarregui and J. Mariano Monterde, plenipotentiaries on the part of Mexico.
7. Territory of the United States in 1867. On March 30, 1867, was concluded at Washington a convention for the cession of the Russian possessions in North America to the United States for the sum of \$7,200,000. The negotiator on the part of the United States was William H. Seward, Secretary of State, and on the part of Russia Edouard de Stoeckl, Russian minister to the United States.
20. Exchange copy (original) of treaty of cession of Louisiana by the French government. April 30, 1803. Convention for payment by the United States of sixty million francs for the territory acquired. April 30, 1803.
21. Writings of Robert R. Livingston, who negotiated the treaty on the part of the United States.
22. Writings of James Monroe, who was joint negotiator with Livingston on the part of the United States.
23. Portrait of Barbé Marbois, negotiator on the part of France.
24. Letter of Napoleon Bonaparte, under whose government the treaty was made.
25. Exchange copy (original) of treaty of peace, boundary, and for regulation of the slave trade, which terminated the War of 1812 (Treaty of Ghent). December 24, 1814.
27. Portrait of John Quincy Adams, one of the plenipotentiaries of the United States who negotiated the treaty.
28. Portrait of Henry Clay, one of the plenipotentiaries of the United States who negotiated the treaty.
29. Exchange copy (original) of treaty with Spain for cession of Florida.
30. Exchange copy (original) of treaty with Great Britain relative to boundary, slave trade and extradition. This fixed the northeast boundary of the United States and was negotiated by Daniel Webster, Secretary of State, on the part of the United States, and by Lord Ashburton, British minister to the United States.
31. Portrait of Daniel Webster.
32. Portrait of Lord Ashburton.
33. Exchange copy (original) of the treaty with Russia providing for cession to the United States of Russian possessions in America (Alaska). This treaty sold Alaska to the United States for \$7,200,000.
34. Portrait of William H. Seward Secretary of State, who negotiated the treaty on the part of the United States.

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**35. Treaties with Foreign Powers.**

(Original exchange copies.)

1. Argentine Republic. Free navigation of the rivers Parana and Uruguay. July 10, 1853.
2. Austria. Trade marks. November 25, 1871.
3. Belgium. Commerce and navigation. November 10, 1844.
4. Bolivia. Friendship, commerce and navigation. May 13, 1858.
5. Brazil. Friendship, commerce and navigation. December 12, 1828.
6. Chile. Arbitration of Macedonian claims. November 10, 1858.
7. China. Commercial intercourse and judicial procedure. November 17, 1880.
8. Costa Rica. Amity, commerce and navigation. July 10, 1851.
9. Denmark. Deserters. July 11, 1861.
10. Ecuador. Friendship, navigation and commerce. July 13, 1839.
11. Germany. Consuls and trademarks. December 11, 1871.
12. Guatemala. Amity, commerce and navigation. March 3, 1849.
13. Hayti. Commerce, navigation and extradition. November 3, 1864.
14. Honduras. Friendship, commerce and navigation July 4, 1864.
15. Italy. Commerce and navigation. February 26, 1871.
16. Japan. Amity and commerce. July 29, 1858.
17. Mexico. Boundary. July 29, 1882.
18. Morocco. Amity and commerce. January 7, 1877.
19. Muscat. Amity and commerce. December 21, 1833.
20. New Granada. Consuls. May 4, 1850.
21. Nicaragua. Friendship, commerce and navigation. June 21, 1867.
22. Ottoman Empire. Commerce and navigation. February 25, 1862.
23. Peru. Rights of neutrals at sea. July 22, 1856.
24. Portugal. Commerce and navigation. August 26, 1840.
25. Roumania. Consuls. June 17, 1881.
26. San Salvador. Amity, navigation and commerce. January 2, 1850.
27. Siam. Liquor traffic. May 14, 1884.
28. Sweden and Norway. Amity and commerce. September 4, 1816.
29. Swiss Confederation. Droit d'aubaine and taxes on emigration. May 14, 1847.
30. Venezuela. Friendship, commerce and navigation. January 20, 1836.

**36. Oil portraits of Secretaries of State.** (Such additional portraits as are in possession of the department.)

1. John Marshall, Virginia. 1800. John Adams' administration.
2. Martin Van Buren, New York. 1829-31. Jackson's administration.
3. Louis McLane, Delaware. 1833-34. Jackson's administration.
4. John Forsyth, Georgia. 1834-41. Jackson's and Van Buren's administrations.
5. Abel P. Upshur, Virginia. 1843-44. Tyler's administration.

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6. James Buchanan, Pennsylvania. 1845-49. Polk's administration.
7. John M. Clayton, Delaware. 1849-50. Taylor's and Fillmore's administrations.
8. Edward Everett, Massachusetts. 1852-53. Fillmore's administration.
9. William L. Marcy, New York. 1853-57. Pierce's administration.
10. Jeremiah S. Black, Pennsylvania. 1860-61. Buchanan's administration.
11. Elihu B. Washburne, Illinois. 1869. Grant's administration.
12. Hamilton Fish, New York. 1869-77. Grant's administration.
13. William M. Evarts, New York. 1877-81. Hayes' administration.
14. James G. Blaine, Maine. 1881 and 1889-92. Garfield's and Harrison's administrations.
15. Frederick T. Frelinghuysen, New Jersey. 1881-83. Arthur's administration.
37. Nullification proclamation of Andrew Jackson ordering obedience to the laws of the United States in South Carolina.
38. Sword of Andrew Jackson.
39. Portrait of John C. Calhoun, leader of the nullification party of South Carolina.
40. Proclamation of Abraham Lincoln emancipating the slaves.
41. Portrait (life size) of Lincoln. Loaned by the artist, Mathews.
42. Silk flag presented to the United States by the weavers of Lyons, France, January 17, 1866, as a durable expression of sympathy at President Lincoln's death. The subscriptions came from 25,000 Lyons' laborers.
43. Proclamations by the Presidents of the United States.
  1. George Washington, March 24, 1794, warning good citizens in Kentucky not to enlist for the unlawful invasion of friendly foreign territory.
  2. George Washington, January 1, 1795. Thursday, February 19, designated as a day of national thanksgiving. (Draft by Alexander Hamilton and Edmund Randolph.)
  3. John Adams, July 22, 1797. Commencement of coinage of the United States gold and silver, and cessation of foreign coin as legal tender.
  4. Thomas Jefferson, July 2, 1807. Neutrality of the United States disregarded in American waters.
  5. James Madison, December 12, 1815, commanding all persons in unlawful possession of public lands to remove therefrom.
  6. James Monroe, August 20, 1821, suspending discriminating duties on tonnage.
  7. John Quincy Adams, July 1, 1828, suspending discriminating duties on tonnage.

# DEPARTMENT OF STATE.

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8. Andrew Jackson, March 6, 1830, commanding all persons in unlawful possession of public lands to remove therefrom.
9. Martin Van Buren, June 14, 1837, abolishing tonnage due on certain vessels.
10. John Tyler, April 13, 1841, announcing the death of William Henry Harrison.
11. James K. Polk, September 7, 1846. Retrocession of Alexandria to the State of Virginia.
12. Zachary Taylor, January 10, 1850, constituting ports of delivery.
13. Millard Fillmore, December 13, 1850, admitting the State of Texas into the Union.
14. Franklin Pierce, July 2, 1855, establishing ports of export.
15. James Buchanan, June 23, 1860, calling an extra session of the Senate.
16. Abraham Lincoln, February 19, 1862, recommending the celebration and observance of George Washington's birthday.
17. Andrew Johnson, October 28, 1865, appointing the 7th of December as a day of thanksgiving.
18. U. S. Grant, April 8, 1869, convening an extra session of the Senate.
19. R. B. Hayes, October 30, 1878, appointing Thursday, November 28 a day of thanksgiving.
20. Chester A. Arthur, November 7, 1884, appointing November 27 a day of thanksgiving.
21. Grover Cleveland, November 2, 1885, appointing November 26 a day of thanksgiving.
22. Benjamin Harrison, November 8, 1889, appointing November 27 a day of thanksgiving.
44. Autograph Letters from Presidents of the United States. Loaned by John Boyd Thacher, Esq.
45. The Washington Papers. (Purchased by Acts of Congress of June 30, 1834, and March 3, 1849.
  1. The diaries of Washington, Volume I, May to August, 1781. Volume II, August 14 to November 5, 1781. Volume III, September 2 to October 4, 1784.
  2. The commission of General Washington as commander-in-chief. From the archives of Congress, being the original engrossed parchment surrendered by him at Annapolis.
  3. Washington's meteorological record, 1799. This probably contains the last words written by Washington.
  4. Statuette of George Washington by Baron Marchetti from the original study and model by his master, M. Houdon, of Paris, in 1785-90 for an equestrian statue, which, according to Thomas Jefferson, United States Minister to France, was sent to America by Houdon with the expectation of receiving an order from the Congress of the United States to have it cast in bronze, but the

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- model was destroyed by fire in Washington, thus leaving this statuette as the only survival. Loaned by the Right Honorable Lord George Young, of Edinburgh, Scotland.
5. Calumet stem smoked by Washington with an Indian chief whom he met on his surveying journey into the country of the Ohio at the age of seventeen. The calumet was presented by the chief to Lord Fairfax of Greenway Court, Virginia, Washington's earliest patron.
6. Photograph of Lord Fairfax's office at Greenway Court.
7. Photograph of supply mill built by Washington at Winchester, Virginia.
8. Receipt from Lord Fairfax to Washington.
9. Punch bowl presented by Washington to Col. Benjamin George Eyre, his aide at the Battle of Princeton. Loaned by Benjamin Eyre Valentine, New York Society of the Sons of the Revolution.
10. Portrait of Washington.
11. Print likeness of Washington.
12. Lithograph portrait of Washington. Loaned by Elson & Co, Boston.
13. Letters of Washington, September 19, 1776, to March 14, 1777. These are for the most part addressed to the President of Congress in the handwriting of the secretary of Washington, interspersed with autograph letters.
14. Declaration of Independence. Photographic reproduction of the original document now deposited in the Department of State.
46. Fac-simile of the Declaration of Independence.
- 46b. Broadside of the Declaration of Independence. Showing the method by which it was promulgated.
47. Thomas Jefferson, author of the Declaration of Independence.
1. Portrait of Thomas Jefferson after the original by Wilson Peale.
47. 18. Photographs of Monticello near Charlottesville, Virginia, the home of Jefferson. Loaned by Jefferson M. Levy, Esq., of Monticello, Virginia.
4. Coffee urn used by Thomas Jefferson. Loaned by Jefferson M. Levy, Esq., of Monticello, Virginia.
  5. Andirons of Thomas Jefferson. Loaned by Miss Pendleton of Philadelphia.
  6. The Jefferson papers. Notes, memoranda, etc., while Secretary of State. Fourth series, Volume I.
48. Volume Connecticut Gazette and Universal Intelligencer, 1774-1776, containing re-print of Declaration of Independence. Loaned by Dr. Gouverneur M. Smith, New York Society, Sons of the Revolution.
49. Portraits of the signers of the Declaration of Independence.

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No.

50. **The Continental Congress.**

1. Prints of resolves concerning the army (showing the manner in which the laws of that body were published).
  2. Printed Journals of Congress. Volume I, 1774 to 1775; Volume II, 1776. These journals belonged to General Washington as President and show his bookmarks and autograph.
  3. No. 26, "Indian affairs."
  4. No. 77, papers relative to claims of territory by Pennsylvania and Connecticut.
  5. No. 79, Volume I, letters of the Committee of Foreign Affairs and of R. R. Livingston, first Secretary of Foreign Affairs, 1781 to 1782.
  6. No. 79, Volume III, letters of R. R. Livingston, Secretary of Foreign Affairs, 1783.
  7. No. 80, Volume I, letters of John Jay, Secretary of Foreign Affairs, 1785.
  8. No. 82, Volume I, letters of Benjamin Franklin, 1776 to 1781.
  9. No. 83, Volume I, letters of Arthur Lee from February 1776 to 1779.
  10. No. 84, Volume I, letters of John Adams from 1777 to 1780.
  11. No. 85, Volume I, letters from the Joint Commissioners Franklin, Deane and Lee, and Adams, Jay and Laurens, 1777 to 1784.
  12. No. 88, Volume I, letters from William Carmichael, 1777 to 1790.
  13. Letters of W. Bingham, J. Parsons, W. Lee and J. Williams, from 1777 to 1781.
  14. No. 93, Volume I, letters of C. W. F. Dumas from 1776 to 1781.
  15. Instructions to Barclay and Lamb (early agents to Morocco and Algiers).
  16. No. 145, letters and papers of bankers in Holland relative to contracts for loans to the United States in 1779.
- (The above letters illustrate our earliest intercourse with foreign powers.)

51. **Treaty of amity and commerce, of friendship and alliance; an act separate and secret between the United States and France.** Signed at Paris February 6, 1778, by Benjamin Franklin, Silas Deane and Arthur Lee on the part of the United States, and by Count de Vergennes on the part of France. These are the original acts by which the United States and France allied themselves against Great Britain.

52. **Benjamin Franklin, the chief negotiator of the treaty on the part of the United States.**

1. Franklin's staff.
2. Franklin's letter to Strahan, July 5, 1775.
3. Duplicate original of the petition to the King, October 26, 1774. Presented by Franklin.
4. Franklin's articles of belief and acts of religion (the earliest autograph known to exist).
5. Letters of Franklin, Volume VI, January 12, 1784 to May 23, 1785.

Sec. D shows the career of Columbus in Spain, and the places associated with his life, designed to awaken interest in his plans and success and in prosecuting them. Nos. 121 to 155.

Sec. E illustrates the departure of Columbus on his first voyage, the discovery of the new world, and the return and reception of the Admiral in Spain. Nos. 156 to 292.

Sec. F illustrates in like manner the second voyage and the early settlements in the West Indies. Nos. 293 to 355.

Sec. G represents the third voyage and the arrival and return of Columbus in chains. Nos. 370 to 397.

Sec. H illustrates the fourth voyage of Columbus, and views of the places associated therewith. Nos. 410 to 422.

Sec. I shows places connected with the later life of Columbus, his death and burial places, and portraits and autographs of his descendants. Nos. 430 to 488.

Sec. K presents the relics of Columbus; original letters, commissions and documents from the sovereigns of Spain, and letters and papers written and signed by the Admiral, his will and many other precious relics. Nos. 500 to 586.

Sec. L shows how the discovery of America was made public, how the new world was named, and numerous examples of the earliest printed books on the subject. Nos. 600 to 662.

Sec. M contains documents, charts and pictures from the archives of the Vatican and loaned by His Holiness, Leo XIII. Nos. 689 to 696.

Sec. N contains the exhibit of rare volumes published just before and immediately after the discovery, relating to it and showing the geographical knowledge of the time, loaned by Hon. John Boyd Thacher, of Albany, N. Y. Nos. 715 to 731.

Sec. O illustrates the old town of St. Die, in France, where America was christened, with portraits of Vespucci and the others connected with that event, and original copies of the book which gave the new world its name. Nos. 740 to 782.

Portraits of Columbus. Nos. 1 to 78.

Statues and monuments to Columbus. Nos. 91 to 166.

#### Group II.

Sec. A illustrates the Conquest of Mexico. Nos. 960 to 978.

Sec. B illustrates the Conquest of Peru and early history. Nos. 985 to 1007.

Sec. C illustrates the discovery and conquest of other portions of America, portraits of the early mariners, the natives, and reproductions of early prints. Nos. 1020 to 1063.

Sec. D contains maps and charts showing the progress of civilization and the growth of geographical knowledge from the time of the discovery of the western hemisphere. Nos. 1075 to 1118.

Sec. E shows the relics left of the Spanish occupation in North America, in Florida and California. Nos. 1125 to 1151.

## THE COMMERCIAL EXHIBIT

Of the Department of State consists of two parts, and is displayed in the gallery in the eastern part of the Government Building. The first part contains the pictorial illustrations of the Latin-American countries, and the second the commercial samples, catalogues, objects, illustration of methods of transportation, etc.

## COMMERCIAL EXHIBITS.

Samples and illustrated catalogue and price list of goods used in the countries of Central and South America, not manufactured or sold in the United States, illustrating the needs of those countries and the class of articles demanded by their merchants and people, the styles, qualities and patterns, together with the methods of packing and shipping required for a successful competition in that trade. The articles are marked with the actual cost at the warehouse of the manufacturers in Europe.

Commercial samples from Dresden of cotton trousers, broadcloth, military cloth, buckskins, casinets, twills, and drillings, napkins and towels, cotton flannels, spool and machine thread, braids, gimps and cords, curtains, velvet ribbons, pianos, velocipedes and bicycles, watches and clocks, knitting machines, sewing machines, scientific instruments for mining purposes, tow-  
boats and dredging machines, wines, glassware, enameled ware, wind-  
motors, essential oils, drugs, pharmaceuticals, albumen paper, ink, artificial  
flowers, sugar wafers, bands and ribbons, beer, moldings, cigar-  
ettes, perfumery, tin and lead, machines for  
chocolate, card-board and paper, machines for  
ices and steam engines, copper, brass, iron, steel, tur-

re and crockery, china ware, dry-plates for photog-  
raphy, church and coffin or-  
naments, petroleum stoves,

Dry goods from Eur-  
ope: blue; 1 commercial  
cotton line; 1 domestic  
calico; 1 county  
wool goods; 6 w-

gingham; 1 co-  
lon white; and  
chinos, cotton  
bosas; 1 doz  
for churches

1 dozen  
1 dozen  
country

a woman  
for me  
read

66. Giver,  
New River, Oregon,  
67. Hypsometry.  
Repsold Reversin  
Pierce Meter  
New River,  
Pierce Meter  
Engineers' Level and Rod.  
Geodetic Level and Rod.  
Vertical Circle.

St. George, 1,80,000.  
Point St. George, 1,200,000.

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Commercial samples from Dresden of cotton trowserings, broadcloth, military cloth, buckskins, casinets, twills, and drillings, napkins and towels, cotton flannels, spool and machine thread, braids, gimps and cords, curtains, velvet ribbons, pianos, velocipedes and bicycles, watches and clocks, knitting machines, sewing machines, scientific instruments for mining purposes, tow-ats and dredging machines, fire engines, glassware, enameled ware, wind-tors, essential oils, drugs, photographic and albumen paper, ink, artificial rers, sugar wafers, bands and bandages, dynamite, beer, moldings, cigars, perfumery, tin and lead goods, canvass for embroidery, machines for colate, card-board and paper, bags for ore, walking canes, straw hats, tur-s and steam engines, condensed milk, chromos and oleographs, earthen and crockery, china ware, paper, cigarette paper, buttons, cutlery, gela-dry-plates for photographers, lamp wicks, leather, calf and lamb skins, church and coffin ornaments, paper hangings, quick safety matches, fur-e, petroleum stoves, ice making machines and safes, etc.

Dry goods from European mills, piece or dozen: 6 calico; 6 calico; 3 ma-lus; 1 commercial linen; 1 linen; 1 linen; 1 linen; 1 esmatalday; 1 do-linen; 1 domestic superior; 1 azargado superior; 1 narrow black calico; calico; 1 counterpane; 1 counterpane; 1 puebla; 1 puebla; 1 superior ing goods; 6 white cambray; 7 bawn colored cambray; 4 choles; 1 elas-tingham; 1 cotton; 2 common laborer's shirts; 1 dozen coarse shirts; 1 white undershirts; 1 dozen cotton drawers; 1 dozen leather belts; hos, cotton and linen; 6 cotton ponchos; 6 cotton ponchos; 1 dozen na-osas; 1 dozen payslones de Algodon; 3 large mats for churches; 3 small r churches; 4 dozen red handkerchiefs; 1 dozen small white handker-l dozen handkerchiefs with mottoes; 1 dozen imitation silk handker-l dozen imitation silk handkerchiefs; 6 cotton counterpanes; 6 white counterpanes; 6 white cotton pompadours; 6 white cotton alhambra; woman's stockings; 1 dozen woman's white stockings; 1 dozen coarse r men; 6 packages white spool thread; 1 pound white thread; 1 pound ead; 16 pieces ribbons; 16 pieces No. 5; 6 pieces No. 12; 6 pieces No.

5; 10 pieces ribbons à la mode; 8 pièces ribbons à la mode No. 12; 6 pieces kerseymere; 2 pieces white muslin; 2 pieces white muslin; 1 parcel of 34 cuts of cotton kerseymeres; 5 pieces wide calico; 6 ponchos; 6 ponchos, K. O.; 6 ponchos, with hoods; 10 dozen large Indian handkerchiefs; 1 dozen large Indian handkerchiefs, hemmed; 1 bale Indian blankets; 1 piece muslin; 1 bale long-cloth; 1 piece brown domestic; 1 Indian red; 6 dozen madras handkerchiefs; 6 dozen Indian red handkerchiefs; 2 pieces flowered Indian print; 1 Indian blue; 1 Indian yellow; 2 pièces salampore Indian fancy; 1 piece colored print drill; 1 bale batiste, fine cambric.

Sample books of cards are shown containing fine calicoes in various colors, fine dress goods, coarse ginghams and in fine qualities, blue check ginghams, coarse mourning goods, trowserings, tickings, ribbons in assorted colors, watered ribbons, 250 samples French woollens and cottons, French cashmere, French embroidered dress patterns and tailor patterns, French muslins, white colored and black and colored; English prints in books, figured and quality patterns, 600; quality cloth and full line of prints in purple; English samples fancy muslins and poplins; complete series designs English tailor's linings; English fine dress goods, embossed Indian muslins, prints, brown drills and linens; Scotch lawns, white and figured; Belfast linens, brown, white and coarse and colored; Osnaburg, white drill; linen handkerchiefs; white cambric, hemmed and fine union handkerchiefs; domestic linens, superfine and union and white; Silesian linens in brown and Holland; Silesian brown ducks, tinted alpacas; Persian lawns and checked linens from Belfast.

Ninety-four samples of jute and linen goods, hessians, bagging, tarpaulins, sackings, canvas, twine, etc., from Dundee in Scotland.

Ten lots samples woollens; 20 lots sample woollens; 44 lots sample woollens. Samples of prints in great variety, calicoes, turkey red handkerchiefs, shirtings, etc.

Sixty-one samples or lots of linens from Belfast, drills, lawns, cottonades, coatings, ducks, veiling, vetyeteen, mohair, merinos, satins, linings, cassimeres, flannels and woollens.

Miscellaneous samples for South American trade, Nos. 290 to 339.

The countries of Mexico, Central America, South America and the West Indies are pictorially illustrated by means of paintings, water-colors, photographs and solar enlargement, etc., showing the most prominent natural and artificial features of each country, the agriculture, products, manufactures, architecture, people and portraits of celebrated individuals, etc.

Section A, Mexico, 183 pictures.

Section B, Guatemala, 56 pictures.

Section C, Honduras, 15 pictures.

Section D, Salvador, 29 pictures.

Section E, Nicaragua, 24 pictures.

Section F, Costa Rica, 44 pictures.

Section G, Columbia, 95 pictures.

Section H, Venezuela, 77 pictures.

Section I, Ecuador, 49 pictures.

Section K, Peru, 104 pictures.

Section L, Bolivia, 78 pictures.

Section M, Chile, 82 pictures.

Section N, Argentine Republic, 42 pictures.

Section O, Uruguay, 45 pictures.

Section P, Paraguay, 10 pictures.

Section Q, Brazil, 94 pictures.

Section R, West Indies, 86 pictures.

Section S, Santo Domingo, 29 pictures.

Several lay figures are dressed in the garments of natives of South America, showing fabrics and manner of making, and bearing burdens to show usual methods of transportation of articles in the interior. Bullocks, burros, llamas, etc., are laden to also illustrate transportation needs and facilities.

Packing cases are shown to illustrate the most approved methods of packing goods for safe shipment.

A relief map of Mexico, Central and South America on a large scale illustrates the contour of the country, routes of trade, rivers, railways, etc.

A large map showing all existing means of communication between the United States and the West Indies, Central and South America.

8. Board of Trade
9. Board of Trade
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99. Board of Trade
100. Board of Trade

## TREASURY DEPARTMENT.

### LIFE-SAVING SERVICE.

Exhibit

No.

1. A life-saving station completely equipped and manned.  
**Boats, Apparatus, Etc.**
2. Apparatus cart.
3. Apparatus carriage (McLellan).
4. Ball (Ayrshire).
5. Boat, Beebe-McLellan self-bailing water-ballast surf-boat.
6. Boat, Beebe open surf-boat.
7. Boat, Dobbins' self-bailing, self-righting, water-ballast, center-board life-boat.
8. Boat, Dobbins' life-dinghy.
9. Boat, English pattern, 26 feet, 8 inches, self-bailing, self-righting life-boat.
10. Boat, English pattern 34 feet, self-bailing, self-righting water-ballast center-board life-boat.
11. Boat, Monomoy surf-boat.
12. Boat, river life-skiff.
13. Boat, drag.
14. Boat wagon, Dobbins' launching.
15. Boat, wagon service.
16. Breeches-buoy.
17. Gun (Hunt's life-saving).
18. Gun (Lyle's life-saving).
19. Hawser-cutters.
20. Haversack (for Lyle gun).
21. Haversack (for patrolmen).
22. Holders (for patrol signals.)
23. Heaving-stick.
24. Life-Belts.
25. Life-car.
26. Medicine-chest.
27. Mortar (Ayrshire).
28. Patrol-checks.
29. Patrol-clocks.
30. Patrol-lanterns.
31. Patrol-signals.

# TREASURY DEPARTMENT.

31

Exhibit  
No.

32. Projectile (Hunt line-carrying).
33. Projectile (Lyle line-carrying).
34. Rocket (Cunningham line-carrying).
35. Sand-anchor.
36. Shot-line, No. 4.
37. Shot-line, No. 7.
38. Shot-line, No. 9.
39. Shot-line box (A).
40. Shot-line box (B).
41. Signals (International Code).
42. Tally-boards.
43. Tripod (for Cunningham rocket).
44. Tripod (for McLellan, for apparatus).
45. Burns' Pictures Illustrating the Life-Saving Service. (Loaned by the Central Publishing Company.)
  - A Going to wreck with apparatus cart.
  - B Going to wreck with surf-boat.
  - C Making a rescue with breeches-buoy.
  - D Patrolman on duty.
  - E Patrolman discovers a wreck.
  - F Rigging beach apparatus to a wreck.
  - G Interior of Fire Island station.
  - H Life-boat under sail.
  - I Life-boat under oars.
  - J Launching of surf-boat.
  - K Loading of surf-boat.
  - L Coming over the bar.
  - M Merriman suit.
  - N Man in breeches-buoy.
  - O Man with heaving-stick.

## MARINE HOSPITAL SERVICE.

1. Apparatus for steam disinfecting, portable.
2. Apparatus for steam disinfection, stationary.
3. Apparatus for utensils for municipal or house disinfection.
4. Apparatus for the application of liquified Sulphur Dioxide (802).
5. House for quarantine Station, and Probation Camp, model of.
6. Bacteriological Exhibit.
7. Bacteriological Laboratory.
8. Outfit for Bacteriological investigation.
9. Case for Consular and Domestic health reports.
10. Case for Chemical records.
11. Bureau, etc., Marine-Hospital.
12. Marine Station, model of.
13. Probation Camp, model of.

Exhibit  
No.

59. Sulphur furnace, model of.  
60. Crematory garbage, model of, for hospitals, etc.  
61. Crematory for incinerating bodies.

### COAST AND GEODETIC SURVEY.

#### 62. Reconnaissance.

Aneroid Barometer.	Marine Glasses.
Clinometer.	Mercurial Barometer
Draw Telescopes.	Pocket Sextants.
Gradienter.	Pocket Alt-Azimuth.
Hand Level.	Steinheil Heliotrope.
	Small Theodolite.

#### 63. Base Apparatus.

New Secondary Base Apparatus.  
New Duplex Base Apparatus.  
New 5 meter Base Bar and Base Tapes.

#### 64. Triangulation.

20 inch Direction Theodolite.  
12 inch Direction Theodolite.  
8 inch Direction Theodolite.  
Heliotropes.  
Models of Signals.  
12 inch Repeating Theodolite.  
8 inch Repeating Theodolite.  
6 inch Repeating Theodolite.  
Signal Lamp.  
Vertical Collimator.

#### 65. Time and Longitude.

46 inch Astronomical Transit.  
37 inch Astronomical Transit.  
Break Circuit Chronometer.  
Cylinder Chronograph.  
Prismatic Transit.  
Set of Telegraph Instruments.

#### 66. Gravity.

New Pendulum Apparatus.  
Pierce Yard Pendulum.  
Pierce Meter Pendulum.  
Repsold Reversible Pendulum.

#### 67. Hypsometry.

Engineers' Level and Rod.  
Geodetic Level and Rod.  
Geodetic Globe.  
Vertical Circle.

# TREASURY DEPARTMENT.

88

Exhibit  
No.

Index

## 68. Magnetics.

Adie Magnetometer.

Globe.

Globe.

New Dip Circle.

New Magnetometer.

Old Magnetometer.

## 69. Topography.

20 Meter Chain with Pins and Poles.

Large Plane Table and Alidade.

Mountain Plane Table and Alidade.

Plane Table Telemeter.

## 70. Tides.

Tide Gauge.

Tidal Model.

Tide Predicting Machine.

## OFFICE OF WEIGHTS AND MEASURES.

### Balances.

Fifty-foot Bench Standard.

Glass Case for Kilogram.

Imitation Kilogram.

Meter of Alloy, 1874.

Saxton Pyrometer.

State Set of Customary Weights and Measures.

State Set of Metric Weights and Measures.

### Chart Publications.

Model of part of Mt. Desert Island on scale of 1-40,000.

The Original Topographic Sheets Nos. 1243 and 1244 covering the eastern part of the Model and the Islands on the southern part.

Print of the engraved chart No. 306 with limits of the model marked on it scale of 1-40,000.

Profiles from original topographic sheet No. 1243 and chart No. 306 covering parts of the model.

Original topographic sheet No. 1537, Frost Point to Norwalk River, m. A copy of sheet No. 1537 in contour only.

Topographical engraving of "The Dalles," Columbia River, Oregon, a view of The Dalles.

Topographical drawing of Lake Tahoe.

fts.

22 Barnegat to Absecon, 1-80,000.

42 Cape Hatteras, 1-80,000.

61 Cape Cannaveral, 1-80,000.

80 Cedar Keys to Deadmans Bay, 1-80,000.

800 Cape Mendocino to Point St. George, contour 1-200,000.

# UNITED STATES GOVERNMENT EXHIBIT.

Exhibit  
No.

- 6100 Cape Lookout to Gray's Harbor, contour, 1-200,000. Comparative map of the coast line of the United States from the earliest period.
- 901 Eastport to Moose Cove, including Cobscook Bay, contour, 1-40,000
- 166-167 Florida Reefs, 1-80,000.
- 130 Hog Island Light to Cape Henry, 1-80,000.
- 187 Head of Chesapeake Bay, 1-80,000.
- 155 Hunting Island to Ossabaw Sound, 1-80,000.
- 151 Little River Inlet and part of Long Bay, 1-80,000.
- 108-104 Mt. Desert Island and Penobscot Bay, hachure, 2-80,000.
- 212 Mouth of Rio Grande, 1-80,000.
- 106-107 Mt. Desert Island and vicinity, contour, 1-40,000.
- 353 Narragansett Bay, hachures and contours, 1-40,000.
- 1441-1442 Neuse and Pamlico Rivers, 1-80,000.
- 206 Oyster Bay to Matagorda Bay, 1-80,000.
- 109-110 Part of Penobscot Bay, contours, 1-40,000.
- 5700 Point Arena to Mendocino, hachures, 1-200,000.
- 335 Salem, Mass., hachures, 1-25,000.
- 5200 Santa Monica to Point Conception, hachures, 1-200,000.
- 5500 San Francisco and Approaches, hachures, 1-200,000.
- 5581. San Francisco entrance—contour 1-40,000.
- 8200. Sumner Strait and Frederick Sound, Alaska—1-200,000.

## Second Series.

Model of Carmel Bay, California, from chart No. 5487, on scale 1-12,000.

Drawing of Carmel Bay for reduction, by photo-lithography.

Original sheets of Carmel Bay Nos. 1,458, a and b.

A hand reduction on scale 1-40,000 of chart No. 300 for publication, by photo-lithography.

A basso electrotype.

A drawing on scale 1-40,000 of section of chart No. 300 for publication, by photo-lithography.

A photo-lithograph print of this drawing.

A photo-lithograph print on scale 1-40,000 of the photo-lithograph drawing on scale 1-30,000.

A transfer print of the copper plate.

A lithograph stone with print transferred.

A print from the lithograph stone.

An electrotype partly separated.

An Alto electrotype.

Chapman's photograph adjusting apparatus, with a copy of reduced photograph and tools.

Copper plate showing the work transferred and tracings from which transfer was made.

Copper plate with outlines, hydrography and general letters engraved.

Charts of Hampton Roads, scale 1-20,000, photo-lithograph 1-80,000, 1-400,000, 1-1, 200,000.

Exhibit  
No.

Chart of San Francisco 1-40,000 contours 1-50,000 hachures, 1-80,000 contours, 1-20,000 hachures, 1-1,200,000 sailing chart.

Drawing section of chart No. 300, on scale 1-30,000, for publication by photo-lithography.

Original topographic sheet No. scale 1-10,000, showing area engraved.

Prints of the original basso plates and of the work in hachures, on scale 1-80,000, from chart No. 101.

Plate printing press.

**8r. Book Publications.**

Annual Reports.

Appendices to Annual Reports.

Bulletins.

Catalogue of Charts.

Coast Pilots.

Miscellaneous documents, historical, bibliographical, etc.

Notices to Mariners.

Tide Tables.

Models.

Models of United States and Alaska.

Model of Rock Creek Park, District of Columbia.

**OFFICE OF SUPERVISING ARCHITECT.**

Baltimore, Md., United States post-office, courthouse, etc., photograph of.

Brooklyn, N. Y. United States postoffice, etc., perspective of.

Charleston, S. C. United States custom house, perspective of.

Chicago, Ill. World's Columbian Exposition, perspective of main entrance to Government Building.

Chicago, Ill. World's Columbian Exposition, view of interior of dome of Government Building.

Chicago, Ill. World's Columbian Exposition, perspective of United States Government Building.

Covington, Ky. United States courthouse and postoffice, perspective of.

Detroit, Mich. United States courthouse, postoffice, etc., perspective of.

Detroit, Mich. United States courthouse, postoffice, etc., perspective of building from rear.

Evansville, Ind. United States custom house and postoffice, perspective of.

Fall River, Mass. United States custom house and postoffice, perspective of.

Ft. Wayne, Ind. United States courthouse and postoffice, perspective of.

## UNITED STATES GOVERNMENT EXHIBIT.

## Exhibit

No.

Kansas City, Mo. United States postoffice and courthouse, perspective of.

Milwaukee, Wis. United States postoffice, courthouse and customhouse, perspective of.

Nashville, Tenn. United States custom house and postoffice, perspective of.

New York, N. Y. United States appraiser's warehouse, perspective of.

New York, N. Y. United States barge office, perspective of.

New York, N. Y. United States courthouse and postoffice, perspective of.

Omaha, Neb. United States courthouse, custom house and postoffice, perspective of.

St. Paul, Minn. United States postoffice, courthouse and customhouse, perspective of.

Supervising Architect's Office, motto.

Washington, D. C. United States postoffice, perspective of.

## BUREAU OF INTERNAL REVENUE.

## 83. Current Issues of Stamps.

Tobacco, tax paid.

Tobacco, exportation.

Snuff.

Cigars, tax paid.

Cigars, exportation.

Cigarettes.

Prepared smoking opium.

Fermented liquors.

Oleomargarine.

Distilled spirits, tax paid.

Distilled spirits, other than tax paid.

Wine.

Special tax.

Certificates of registry.

## 84. Uncurrent Stamps.

Distilled spirits, tax paid.

Distilled spirits, other than tax paid.

Tobacco.

Snuff.

Cigars.

Cigarettes.

Fermented liquors.

Special tax.

Documentary and proprietary stamps.

## THE MINT OF THE UNITED STATES.

## NUMISMATIC.

Exhibit  
No.

## Coins.

- Nos. 1 to 141. Coins of the Greek Republics.  
 142 to 282. Grecian Monarchies.  
 283 to 498. Roman Republic.  
 499 to 1086. Roman Empire, Julius Cæsar B. C. 49 to the end of the Western Empire, A. D., 1086.  
 1087 to 1178. Byzantine Empire, A. D. 395 to 1453.  
 1179 to 1382. France, A. D. 814 to present date.  
 1383 to 1806. German Empire, A. D. 1806 to 1807.  
 1807 to 1871. Austria, Hungary, Spain and Portugal.  
 1723 to 1744. Scotland before the annexation.  
 1745 to 2028 c. Great Britain, from about the commencement of the Christian era, to the present date.  
 2029 to 2662. German States.  
 2663 to 2950. Italian States.  
 2951 to 3086. Russia, Poland, Finland and Greece (modern).  
 3087 to 3224 b. A miscellaneous collection of the most interesting, ancient and modern coins.  
 3225 to 3320. Switzerland.  
 3321 to 3516. Denmark, Sweden and Norway.  
 3517 to 3701. Netherlands and Belgium.  
 3702 to 3830. Mexico.  
 3831 to 3973. Central America, Columbia, Venezuela, Ecuador and Peru.  
 3974 to 4085. Brazil, Bolivia, Argentine Republic and Uruguay.  
 4086 to 4204 c. Chile, Hayti, Dominica, Sierra Leone, Liberia, Congo, Free State, Hawaii, Jamaica, Cape of Good Hope, Patagonia, Griguetown.  
 206 to 4863. Turkey, Egypt, Algiers, Morocco, Tripoli, Tunis, Persia, East India, Ceylon, Cambodia, Roumania, Servia, Siam, Java, Dentarara, Hong Kong, Bulgaria.  
 64 to 4927. Japan.  
 28 to 5627. China.  
 28 to 5807. English silver tokens.  
 08 to 5877. American Colonies.  
 8 to 5944. Private issues of Georgia, North Carolina, California, Pike's Peak, and Utah.  
 5 to 6168. United States patterns.  
 0 to 7236. Coins issued at the United States mint, from its establishment, 1792 to 1893.  
**States Medals.**  
 50. Officers of the Navy.

## UNITED STATES GOVERNMENT EXHIBIT.

Exhibit  
No.

- 51 to 106. Officers of the Army.
- 107 to 163. Presidential and Indian Peace.
- 164 to 184. Sub-National, Badges of Honor, Grand Army Republic.
- 185 to 215. Miscellaneous.
- 216 to 231. Directors, Superintendents and other Officers of the Mint.
- 266 to 288. Annual Assay Medals.

**MECHANICAL.****87. Coining Press.**

Style at present used in all the Government Mints for all United States coins.

**THE UNITED STATES LIGHTHOUSE ESTABLISHMENT.**

(Government Main Building.)

**83. Illuminating Apparatus.**

- Hyper-radiant lens with constant level lamp for outer diamond shoals light station, off Cape Hatteras, N. C.
- Range lens with constant level lamp.
- First order revolving lens, Mahan system, reading 45, with Funck-Heap lamp.
- Second order revolving lens, Mahan system, reading 143, Funck-Heap lamp.
- Fourth order revolving lens with Funck-Heap lamp.
- Fourth order fixed lens with occulting clock and Funck-Heap lamp.
- Fifth order lens with Funck-Tubular lamp.
- Lens lantern with five-day reservoir.
- Funck lantern, red.
- Funck lantern with eight-day reservoir.
- Set lamps of various orders and kinds.
- Light vessel lantern fitted to a mast.
- Lens lantern for a light vessel fitted to a mast, to be lighted either by oil or electricity.
- Revolving light, fitted to a mast, actuated by a small engine.
- Upper end of an electric spar buoy with lamp and lantern attached.

**89. Fog Signals.**

- Stevens fog bell apparatus and bell.
- Gamewell fog bell apparatus and bell.
- Blower syren with hot air engine.
- Hand fog signal.

**90. Models.**

- Fowey Rocks Light House, Fla.
- Minots Ledge Light house, entrance to Boston Bay, Mass.
- Spectacle Reef Light House, Lake Huron.
- Crib used in building Spectacle Reef Light House.
- Cofferdam used in building Spectacle Reef Light House.

## TREASURY DEPARTMENT

Exhibit  
No.

River lights.

Whistling buoy.

Gas buoy.

Light vessel No. 40, five fathom bank, off entrance to Delaware Bay

Light vessel No. 39, relief light vessel, 2d light house district.

### PICTURES.

#### 91. Oil Paintings.

Alligator Reef Lighthouse, Fla.

Minots Ledge Lighthouse, Mass.

#### 92. Water Colors:

Paris Island Rear Beacon, S. C.

Cape Henry Lighthouse, Va.

Fowey Rocks Lighthouse, Fla.

Thimble Shoal Lighthouse, Va.

Cleveland, O., Lighthouse, O.

Southwest Ledge Lighthouse, Conn.

Calcasieu Lighthouse, La.

Piedras Blancas Lighthouse, Cal.

River light.

Lighthouse tender Dahlia.

#### 93. Photographs:

Hunting Island Lighthouse, S. C.

St. Augustine Lighthouse, Fla.

Grosse Point Lighthouse, Ill.

Screw Pile Lighthouse.

Two Pigeon Point Lighthouse, Cal.

Mare Island Lighthouse, Cal.

Old Field Point Light House, N. Y.

St. Johns River Light House, Fla.

Sand Key Light House, Fla.

Little Gull Island Light House, N. Y.

Amelia Island Light House, Fla.

Fort Sumter Light House, S. C.

Block Island Light House, R. I.

Spectacle Reef Light House, Mich.

Penfield Reef Light House, Conn.

Newport Harbor, R. I.

Day Beacon, Seaflower Reef, N. Y.

First Class Light Vessel.

#### 94. Publications:

Drawings and Specifications of Light Houses, Keepers' Dwellings,  
Light Vessels, Light House Tenders, Buoys, and other Aids to  
Navigation.

Set of Annual Reports from 1872 to 1892.

Act June 30, 1864.....	Coup.	\$1,000.00
Act March 3, 1865, 1st series.....	Regd.	100.00
Act March 3, 1865, 1st series.....	Coup.	50.00
Act March 3, 1865, 1st series.....	Coup.	100.00
Act March 3, 1865, 1st series.....	Coup.	500.00
Act March 3, 1865, 1st series.....	Coup.	1,000.00
Act March 3, 1865, Consols '65.....	Regd.	10,000.00
Act March 3, 1865, Consols '65.....	Coup.	50.00
Act March 3, 1865, Consols '65.....	Coup.	100.00
Act March 3, 1865, Consols '65.....	Coup.	500.00
Act March 3, 1865, Consols '65.....	Coup.	1,000.00
Act March 3, 1865, Consols '67.....	Regd.	100.00
Act March 3, 1865, Consols '67.....	Coup.	50.00
Act March 3, 1865, Consols '67.....	Coup.	100.00
Act March 3, 1865, Consols '67.....	Coup.	500.00
Act March 3, 1865, Consols '67.....	Coup.	1,000.00
Act March 3, 1865, Consols '68.....	Regd.	500.00
Act March 3, 1865, Consols '68.....	Coup.	50.00
Act March 3, 1865, Consols '68.....	Coup.	100.00
Act March 3, 1865, Consols '68.....	Coup.	500.00
Act March 3, 1865, Consols '68.....	Coup.	1,000.00
Funded, 1881.....	Regd.	50,000.00
Funded, 1881.....	Coup.	50.00
Funded, 1881.....	Coup.	100.00
Funded, 1881.....	Coup.	500.00
Funded, 1881.....	Coup.	1,000.00
Funded, 1881.....	Coup.	5,000.00
Funded, 1881.....	Coup.	10,000.00
Act July 12, 1882.....	Regd.	500.00
Act July 12, 1882.....	Regd.	1,000.00
Act July 12, 1882.....	Regd.	10,000.00
Funded, 1891.....	Coup.	50.00
Funded, 1891.....	Coup.	100.00
Funded, 1891.....	Coup.	500.00
Funded, 1891.....	Coup.	1,000.00
Consols, 1907.....	Coup.	50.00
Consols, 1907.....	Coup.	100.00
Consols, 1907.....	Coup.	500.00
Consols, 1907.....	Coup.	1,000.00
D. C., 3-65.....	Coup.	500.00
D. C., Permanent Improvement.....	Coup.	100.00
D. C., Permanent Improvement.....	Coup.	1,000.00
D. C., Water Stock.....	Coup.	1,000.00
D. C., Market Stock.....	Coup.	1,000.00
D. C., 30 Year Funding.....	Coup.	1,000.00
D. C., 20 Year Funding.....	Coup.	1,000.00

## TREASURY DEPARTMENT.

43

D. C., 20 Year Funding .....	Coup.	\$50.00
D. C., 20 Year Funding .....	Coup.	1,000.00
D. C., 10 Year (Bowen) .....	Coup.	500.00
D. C., Steam Force Pump .....	Coup.	500.00
	Act.	Denomination.
Loan Office Certificate .....	Feb. 22, 1777	\$800.00
Loan Office Certificate .....	Jan. 17, 1778	500.00
Loan Office Certificate .....	Feb. 3, 1779	400.00
Loan Office Certificate .....	Feb. 3, 1779	1,000.00
Indents of Interest .....	1785	8.00
Indents of Interest .....	1785	9.00
Indents of Interest .....	1785	20.00
Indents of Interest .....	1785	25.00
Debts due Foreign Officers .....	1784	1,000.00
Registered black lettered .....	1784	128.50
Virginia Loan Office .....	Aug. 4, 1790	337.22
Three per cent. Treasury .....	Nov. 2, 1792	20,000.00
Five and one-half per cent. Stock (Exchanged for Foreign Debt) .....		4,000.00
Mississippi Stock .....	March 3, 1814	10,000.00
Loan 1814 .....	May 2, 1814	50,000.00
Five per cent. Stock .....	1831	10,000.00
Continental money, Miscellaneous Collections .....		
Old Treasury Notes .....	Oct. 12, 1837	100.00
Old Treasury Notes .....	Jan. 31, 1842	50.00
Old Treasury Notes .....	Jan. 31, 1842	500.00
Old Treasury Notes .....	Jan. 31, 1842	1,000.00
Old Treasury Notes .....	March 3, 1843	50.00
Old Treasury Notes .....	Jan. 28, 1847	50.00
Old Treasury Notes .....	Jan. 28, 1847	100.00
Old Treasury Notes .....	Jan. 28, 1847	1,000.00
Old Treasury Notes .....	Dec. 23, 1857	100.00
Old Treasury Notes .....	Dec. 23, 1857	500.00
Old Treasury Notes .....	March 2, 1861	50.00
Seven-Thirty Treasury Notes .....	July 17, 1861	1,000.00
Seven-Thirty Treasury Notes .....	June 30, 1864	100.00
Seven-Thirty Treasury Notes .....	March 3, 1863	100.00
Seven-Thirty Treasury Notes .....	March 3, 1863	50.00
One Year five per cent. Treasury Notes .....	March 3, 1863	10.00
One Year five per cent. Treasury Notes .....	March 3, 1863	20.00
One Year five per cent. Treasury Notes .....	March 3, 1863	100.00
Two Year five per cent. Treasury Notes .....	March 3, 1863	50.00
Two Year five per cent. Treasury Notes .....	March 3, 1863	100.00
Three Year six per cent. Comp. Int. Notes .....	June 30, 1864	50.00
Three Year six per cent. Comp. Int. Notes .....	June 30, 1864	20.00
Three Year six per cent. Comp. Int. Notes .....	June 30, 1864	50.00

Three Year six per cent. Comp. Int. Notes.....	June 30, 1864	\$100.00
Three Year six per cent. Comp. Int. Notes.....	June 30, 1864	500.00
Gold Certificates (Old).....	March 3, 1863	20.00
Gold Certificates (Old).....	March 3, 1863	100.00
Gold Certificates (Old).....	March 3, 1863	500.00
Gold Certificates (Old).....	March 3, 1863	1,000.00
Gold Certificates (Old).....	March 3, 1863	5,000.00
Gold Certificates, Series 1870.....	March 3, 1863	500.00
Gold Certificates, Series 1870.....	March 3, 1863	1,000.00
Gold Certificates, Series 1870.....	March 3, 1863	5,000.00
Gold Certificates, Series 1870.....	March 3, 1863	10,000.00
Gold Certificates, Series 1871.....	March 3, 1863	100.00
Gold Certificates, Series 1875.....	March 3, 1863	100.00
Gold Certificates, Series 1875.....	March 3, 1863	500.00
Gold Certificates, Series 1875.....	March 3, 1863	1,000.00
Gold Certificates, Series 1875.....	March 3, 1863	5,000.00
Gold Certificates, Series 1875.....	March 3, 1863	10,000.00
Gold Certificates.....	July 12, 1862	5,000.00
Gold Certificates.....	July 12, 1862	10,000.00
Certificates of Deposit (Temp. Loan).....	Feb. 25, 1862	1,000.00
Certificates of Deposit (Temp. Loan).....	Feb. 25, 1862	5,000.00
Three per cent. Certificate.....	March 2, 1867	5,000.00
	and July 25, 1868	10,000.00
Three per cent. Certificate.....	March 2, 1867	5,000.00
	and July 25, 1868	10,000.00
Currency Certificate of Deposit.....	June 8, 1872	5,000.00
Currency Certificate of Deposit.....	June 8, 1872	10,000.00
Certificate of Indebtedness.....	March 1, 1862	1,000.00
Certificate of Indebtedness.....	March 1, 1862	1,000.00
Certificate of Indebtedness.....	March 1, 1862	5,000.00
Certificate of Indebtedness.....	March 1, 1862	5,000.00
Certificate of Indebtedness.....	July 3, 1870	1,000.00
Four per cent. Refunding Certificate.....	Feb. 28, 1879	10.00
National Bank Notes.....		
Series of 1875.....		5.00
Series of 1875.....		10.00
Series of 1875.....		20.00
Series of 1875.....		50.00
Series of 1875.....		100.00
Series of 1882.....		5.00
Series of 1882.....		10.00
Series of 1882.....		20.00
Series of 1882.....		50.00
Series of 1882.....		100.00
United States Currency.....		
United States Demand Note.....	1861	5.00

## TREASURY DEPARTMENT.

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United States Demand Note.....	1861	10.00
United States Demand Note.....	1861	20.00
United States Notes—New Issue.....	1862	1.00
United States Notes—New Issue.....		2.00
United States Notes—New Issue.....		5.00
United States Notes—New Issue.....		10.00
United States Notes—New Issue.....		20.00
United States Notes—New Issue.....		50.00
United States Notes—New Issue.....		100.00
United States Notes—Series of 1869.....		1.00
United States Notes—Series of 1869.....		2.00
United States Notes—Series of 1869.....		5.00
United States Notes—Series of 1869.....		20.00
United States Notes—Series of 1869.....		50.00
United States Notes—Series of 1869.....		100.00
United States Notes—Series of 1874.....		1.00
United States Notes—Series of 1874.....		2.00
United States Notes—Series of 1874.....		5.00
United States Notes—Series of 1874.....		50.00
United States Notes—Series of 1875.....		1.00
United States Notes—Series of 1875.....		2.00
United States Notes—Series of 1875.....		5.00
United States Notes—Series of 1875.....		10.00
United States Notes—Series of 1875.....		20.00
United States Notes—Series of 1875.....		100.00
United States Notes—Series of 1878.....		1.00
United States Notes—Series of 1878.....		2.00
United States Notes—Series of 1878.....		5.00
United States Notes—Series of 1878.....		10.00
United States Notes—Series of 1878.....		20.00
United States Notes—Series of 1878.....		100.00
United States Notes—Series of 1880.....		1.00
United States Notes—Series of 1880.....		2.00
United States Notes—Series of 1880.....		5.00
United States Notes—Series of 1880.....		10.00
United States Notes—Series of 1880.....		20.00
United States Notes—Series of 1880.....		50.00
United States Notes—Series of 1880.....		100.00
United States Notes—Series of 1880.....		500.00
United States Notes—Series of 1880.....		1,000.00
United States Notes—Series of 1890.....		1.00
United States Notes—Series of 1890.....		2.00
United States Notes—Series of 1890.....		5.00
United States Notes—Series of 1890.....		10.00
United States Silver Certificate, Washington, Series of 1878.....		10.00
United States Silver Certificate, Washington, Series of 1878.....		20.00

United States Silver Certificate, Washington, Series 1878.....	\$50.00
United States Silver Certificate, Washington, Series 1878.....	100.00
United States Silver Certificate, Washington, Series 1878.....	500.00
United States Silver Certificate, New York, Series 1878.....	10.00
United States Silver Certificate, New York, Series 1878.....	20.00
United States Silver Certificate, New York, Series 1878.....	50.00
United States Silver Certificate, San Francisco, Series 1878.....	10.00
United States Silver Certificate, San Francisco.....	20.00
United States Silver Certificate, San Francisco.....	50.00
United States Silver Certificate, San Francisco.....	100.00
United States Silver Certificate, San Francisco.....	1,000.00
United States Silver Certificate, Washington, Series 1880.....	10.00
United States Silver Certificate, Washington, Series 1880.....	20.00
United States Silver Certificate, Washington.....	50.00
United States Silver Certificate, Washington.....	100.00
United States Silver Certificate, Washington.....	500.00
United States Silver Certificate, Washington.....	1,000.00
United States Silver Certificate, Washington, Series 1886.....	1.00
United States Silver Certificate, Washington.....	2.00
United States Silver Certificate, Washington.....	5.00
United States Silver Certificate, Washington.....	10.00
United States Silver Certificate, Washington.....	20.00
United States Postal Currency, 1st Issue.....	.05
United States Postal Currency, 1st Issue.....	.10
United States Postal Currency, 1st Issue.....	.25
United States Postal Currency, 1st Issue.....	.50
Fractional Currency, 2d Issue.....	.05
Fractional Currency, 2d Issue.....	.10
Fractional Currency, 2d Issue.....	.25
Fractional Currency, 2d Issue.....	.50
Fractional Currency, 3rd Issue.....	.05
Fractional Currency, 3rd Issue.....	.10
Fractional Currency, 3rd Issue.....	.25
Fractional Currency, 3rd Issue.....	.50
Fractional Currency, 4th Issue.....	.10
Fractional Currency, 4th Issue.....	.15
Fractional Currency, 4th Issue.....	.25
Fractional Currency, 4th Issue.....	.50
Fractional Currency, 4th Issue, 2d Series.....	.50
Fractional Currency, 4th Issue, 3d Series.....	.50
Fractional Currency, 5th Issue.....	.10
Fractional Currency, 5th Issue.....	.25
Fractional Currency, 5th Issue.....	.50
Colonial Notes (various Colonies).....	
State Banks— Broken State Banks.....	

- Wild Cat and Shin-plasters.....
- Confederate Notes**--various issues and denominations.....
- Issues and denominations.....
- Confederate Coupon and**.....
- Registered Bonds**.....
- Exhibit**  
No. ....
109. A display of the different keys to the vaults of the United States Treasury from 1789 to 1861, and specimens of the first and most recent combination locks used by the government.
110. The original draft in payment of the "Geneva Award" in the sum of fifteen million five hundred thousand dollars.

## BUREAU OF STATISTICS.

111. Charts and diagrams, 1 to 35.
- Population of the United States, census years, 1790-1890.
- Population of the United States by States and Territories, 1890.
- Area of Settlement, census year, 1790-1890.
- Area of each State and Territory of the United States, and date of their admission and organization.
- Wealth of the United States, census years, 1890-1890.
- Foreign commerce of the United States compared with the foreign commerce of the United Kingdom, Germany and France, 1870, 1880, 1890.
- Imports and exports of merchandise, 1850-1892.
- Imports and exports of gold and silver, 1864-1892.
- Imports and exports of merchandise by countries, 1892.
- Imports and exports of merchandise by geographical divisions.
- Imports and exports of merchandise by custom districts, 1892.
- Imports and exports of merchandise according to degree of manufacture, sources of production, etc., 1892.
- Value of principal articles of imported merchandise, 1892.
- Value of exports of principal articles of domestic product and manufacture, 1892.
- Imported merchandise entered for consumption and duty collected, 1844-1892.
- Ordinary duty collected on principal dutiable imported commodities, 1890-1892.
- Value of imported manufactures of wool, entered for consumption and amount of duty received, 1867-1892.
- Consumption of domestic and foreign wool, 1840-1892.
- Consumption per capita of population, of tea and coffee, 1850-1892.
- Average annual consumption per capita of population of distilled spirits and malt liquors, 1840-1892.
- Annual average export prices of hog and beef products, 1860-1892.
- Annual average export prices of wheat and corn, 1861-1892.
- Transit and transshipment trade, 1892.

**Exhibit  
No.**

Value of imports and exports carried in American and foreign vessels, 1853-1892.

Nationality of tonnage entered from foreign countries at seaports of the United States, 1892.

Arrival in the United States of alien passengers and immigrants, 1821-1892.

Internal revenue collections, 1863-1892.

Interest bearing debt and annual interest charge July 1 of each year, 1860-1892.

Debt per capita, 1860-1892.

Amount of money and money in circulation in the United States July 1st, each year, 1860-1892.

Amount of the annual appropriations made by Congress, 1885, 1889 and 1893.

Actual revenue and expenditure of the government, 1860-1892.

Pensioners, 1861-1892.

United States public schools, 1870-1892.

Public debt and rate of taxation of each State and Territory, 1891.

Railway mileage of the world, 1890.

**112. Statistical Tables, 1 to 12.**

Imports and Exports of Merchandise, 1791-1892.

Imports and Exports of Gold and Silver, 1821-1892.

United States Foreign Carrying Trade, 1821-1892.

Merchandise entered for Consumption and Duty collected, 1821-1892.

Internal Revenue Collections, 1863-1892.

Receipts of the Government, 1789-1892.

Expenditures of the Government, 1789-1892.

Tonnage of the Merchant Marine, 1789-1892.

Immigration, 1820-1892.

Public Debt Annual outstanding Principal, Jan. 1, 1791-1892.

Coinage of Gold and Silver, 1793-1892.

Tonnage Movement in the Foreign Trade, 1856-1892.

**113. Publications.**

Statistical Abstract of the United States, 1892.

Internal Commerce of the United States, 1890-1891.

Commerce and Navigation of the United States, 1892.

Foreign Commerce of the United States, 1892.

Special Report on Wool and Manufactures of Wool, 1888.

Commerce of the United States with American Countries, 1891.

The Existing Tariff on Imports into the United States, 1888.

Miscellaneous Tables upon Foreign Commerce and Finance, 1892.

Commerce of the United States and certain European Nations with American Countries, 1890.

Quarterly Reports upon Foreign Commerce, etc., 1891-1892-1893.

Exhibit  
No.

Imported Merchandise entered for consumption, 1892.  
Commerce of the United States with the Hawaiian Islands, 1871-1892.

**A COMPLETE SET OF PORTRAITS OF THE SECRETARIES OF  
THE TREASURY FROM ITS ORGANIZATION IN SEPTEMBER, 1789, TO MARCH, 1893.**

114. **Alexander Hamilton**, September, 1789, January, 1795, New York. Appointed by Washington.
115. **Oliver Wolcott**, February, 1795, November, 1800, Connecticut. Appointed by Washington.
116. **Samuel Dexter**, January, 1801, May, 1801, Massachusetts. Appointed by Adams.
117. **Albert Gallatin**, May, 1801, April, 1813, Pennsylvania. Appointed by Jefferson.
118. **George W. Campbell**, February, 1814, September, 1814, Tennessee. Appointed by Madison.
119. **Alexander J. Dallas**, October, 1814, October, 1816, Pennsylvania. Appointed by Madison.
120. **William H. Crawford**, October, 1816, March, 1825, Georgia. Appointed by Madison.
121. **Richard Rush**, March, 1825, March, 1829, Pennsylvania. Appointed by J. Q. Adams.
122. **Samuel D. Ingham**, March, 1829, June, 1831, Pennsylvania. Appointed by Jackson.
123. **Louis McLane**, August, 1831, May, 1833, Delaware. Appointed by Jackson.
124. **William J. Duane**, May, 1833, September, 1833, Pennsylvania. Appointed by Jackson.
125. **Roger B. Taney**, September, 1833, June, 1834, Maryland. Appointed by Jackson.
126. **Levi Woodbury**, June, 1834, March, 1841, New Hampshire. Appointed by Jackson.
127. **Thomas Ewing**, March, 1841, September, 1841, Ohio. Appointed by Harrison.
128. **Walter Forward**, September, 1841, February, 1843, Pennsylvania. Appointed by Tyler.
129. **John C. Spencer**, March, 1843, May, 1844, New York. Appointed by Tyler.
130. **George M. Bibb**, June, 1844, March, 1845, Kentucky. Appointed by Tyler.
131. **Robert J. Walker**, March, 1845, March, 1849, Mississippi. Appointed by Polk.
132. **William M. Meredith**, March, 1849, July, 1850, Pennsylvania. Appointed by Taylor.
133. **Thomas Corwin**, July, 1850, March, 1853, Ohio. Appointed by Fillmore.

Exhibit

No.

134. James Guthrie, March, 1853, March, 1857, Kentucky. Appointed by Pierce.
135. Howell Cobb, March, 1857, December, 1860, Georgia. Appointed by Buchanan.
136. Philip Francis Thomas, December, 1860, January, 1861, Maryland. Appointed by Buchanan.
137. Jno. A. Dix, January, 1861, March, 1861, New York. Appointed by Buchanan.
138. Salmon P. Chase, March, 1861, June, 1864, Ohio. Appointed by Lincoln.
139. William P. Fessenden, July, 1864, March, 1865, Maine. Appointed by Lincoln.
140. Hugh McCulloch, March, 1865, March, 1869, October, 1884, March, 1885, Indiana. Appointed by Lincoln and Arthur.
141. George S. Boutwell, March, 1869, March, 1873, Massachusetts. Appointed by Grant.
142. William A. Richardson, March, 1873, January, 1874, Massachusetts. Appointed by Grant.
143. Benjamin H. Bristow, June, 1874, June, 1876, Kentucky. Appointed by Grant.
144. Lot M. Morrill, June, 1876, March, 1877, Maine. Appointed by Grant.
145. John Sherman, March, 1877, March, 1881, Ohio. Appointed by Hayes.
146. William Windom, March, 1881, November, 1881, March, 1889, January, 1891, Minnesota. Appointed by Garfield and Harrison.
147. Charles J. Folger, November, 1881, September, 1884, New York. Appointed by Arthur.
148. Walter Q. Gresham, September, 1884, October, 1884, Indiana. Appointed by Arthur.
149. Daniel Manning, March, 1885, March, 1887, New York. Appointed by Cleveland.
150. Charles S. Fairchild, April, 1887, March, 1889, New York. Appointed by Cleveland.
151. Charles Foster, February, 1891, March, 1893, Ohio. Appointed by Harrison.
152. John G. Carlisle, March, 1893, Kentucky. Appointed by Cleveland.

# WAR DEPARTMENT.

## QUARTERMASTERS' SECTION.

(This Exhibit is to be found in the Government Main Building.)

### CLOTHING AND EQUIPAGE.

Exhibit  
No.

1. **Barrack Furniture.**
2. **Bunk, with wire bunk bottom and bedding.**
3. **Flags and Colors.**  
Historic flags, from Revolutionary War to the War of the Rebellion.  
Corps and Division Flags of the War of the Rebellion.  
Noted Battle Flags, and Colors of the Headquarters of prominent Generals.  
Flags and colors of the present regulations, including the National Colors, Standards and Guidons of the several arms of the service.
4. **Kitchen Utensils, including camp kettles, etc.**
5. **Mess Table and Stools, with all table furniture.**
6. **Range Army, with range furniture.**
7. **Tents, models of the different tents furnished by the Department.**
8. **Uniforms, Lay Figures, mounted and unmounted, showing uniforms of different periods from 1629 to 1898.**
  - a Puritan soldier.
  - b Revolutionary uniforms.
  - c Period, 1812.
  - d Mexican War.
  - e Period, 1850-1852.
  - f Period, 1861-1865.
  - g Present regulations.
  - h Display of articles of clothing, including underclothing, boots, shoes, hats, caps, gloves, etc.
  - i Display of officers' equipment and accoutrement, and trimmings for the enlisted men.
  - j Display of chevrons.
  - k Lithographs, in swinging frames, illustrating the uniforms of the army of the past and present regulations.
  - l Book of samples of materials entering into the manufacture of army clothing.

## MEANS OF TRANSPORTATION.

Exhibit

No.

9. **Army Wagon**, six mules, complete, with lay mules, showing harness, etc.
10. **Escort Wagon**, four mules, complete, with lay mules, showing harness, etc.
11. **Dougherty Spring Wagon**, complete, with lay mules, showing harness, etc.
12. **Ambulance, Red Cross.**
13. **Dump Cart.**
14. **Hand Cart.**
15. **Pack-Mules**, showing method of loading pack-saddles,
16. **Hand Litter.**
17. **Forges, Keystone, and Field Forge.**
18. **Saddlers' Tools.**
19. **Historic Wagon**, in use during the War of the Rebellion, and noted for its durability and number of miles traveled.
20. **Veterinary and Farriers' exhibit.**
  - a **Skeletons**, injected and ossified, specimens, showing healthy and diseased condition of horse and mule, and method of treatment of different diseases and lameness.
  - b **Instruments and medicines** issued by and used in the Quartermasters' Department.
  - c **Shoes and nails.**
  - d **Shoes and tools** made at the school of instruction at Jefferson Barracks, Mo.

## MISCELLANEOUS.

21. **Cloth Testing Machines**, old and new style.
22. **Field Desk Company.**
23. **Model of United States Cemetery at Arlington, and Fort Myer, Va.**
24. **Model of Fort Sheridan, Ill.**
25. **Record Books, Post, Regimental and Company.**
26. **Band and Field Musical Instruments.**
27. **Fire Buckets from Alexandria, Va.** Belong to a fire company of which George Washington was a member, and used by him while a member.

## MEDICAL SECTION.

(This Exhibit is to be found in the Army Medical Building.)

28. **Anthropometrical Apparatus.**
29. **Bacteriological and Clinical Laboratory and Bacteriological Apparatus.**
30. **Blank Forms** used by the Medical Department, United States Army.
31. **Dissecting Table** of Drs. Magendie and Claude Bernard.
32. **Field Hospital with Field Equipment.**
33. **Hospitals, United States Army, Models and Drawings of, showing general construction and heating and ventilation.**
34. **Hospital Tents.**
35. **Identification of the Soldier.** Illustrated by a series of charts.

Exhibit

- No. 36. Medical Supplies for 100 Men.
37. Medical Supply Table.
38. Microscopes. A series illustrating their development.
39. Osteology. Illustrated by a series of sections of bones.
40. Pathological Preparations. Showing the different stages and conditions of tuberculosis, typhoid fever, tumors and cancers and primary and secondary conditions of lesions of bones.
41. Photomicrographs. Illustrating pathology, histology, bacteriology and embryology, parasitic insects, algae, and specimens of botany.
42. Portraits of Physicians.
43. Projectiles, small:
  - a Series of distorted bullets from the war, 1861-65.
  - b Series of experiments with projectiles of small calibre.
44. Publications. A series of the publications of the Medical Department, United States Army.
45. Transportation of Sick and Wounded:
  - a By land
    - 1 By railway.
    - 2 By ambulance wagons.
  - b By water
    - 1 By river steamboat.
    - 2 By ocean steamer.

ENGINEER SECTION

(This Exhibit is to be found in the Government Main Building.)

MODELS, RIVER AND HARBOR IMPROVEMENTS.

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48. Delaware Breakwater Harbor.
49. Delaware Harbor. Stone break used in construction of Delaware breakwater.
50. Delaware River. Brush and stone dyke.
51. Delaware River. Pile and stone dyke.
52. Delaware River. Stone dyke with single mattress.
53. Delaware River. Ice pier at Marcus Hook.
54. East River Improvement, New York. Halletts Point.
55. East River Improvement, New York. Part of mine at Flood Rock.
56. East River Improvement, New York. Drill stem, "Gen. John Newton."
57. East River Improvement, New York. Hell Gate.
58. East River Improvement, New York. Ways Reef, Hell Gate.
59. Fox River Improvement, Wisconsin. Sluice gates of lower dam at Appleton.
60. Fox River Improvement, Wisconsin. Section of upper dam at Appleton.

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62. Harlem River.
63. Hudson River. Waterford to New Baltimore.
64. James River Improvement. Mattress dyke and wing dam.
65. James River Improvement. Drill platform.
66. St. John's River, Florida, Jetty.
67. Great Kanawha River Improvement; part of navigation pass, lock and dam No. 6.
68. Great Kanawha River Improvement; part of navigation pass, lock and dam No. 7 (full size).
69. Key West Harbor, Florida.
70. St. Mary's Falls Canal Lock.
71. Mississippi River, Reservoirs at headwaters of. Movable hydraulic weir, first design.
72. Mississippi River, Reservoirs at headwaters of. Movable hydraulic weir, second design.
73. Mississippi River, Reservoirs at headwaters of. Movable reversible hydraulic weir.
74. Mississippi River, Reservoirs at headwaters of. Winnebigoishish dam.
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82. Philadelphia Harbor, before improvement.
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85. Battery, lift gun.
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87. Bridge equipage, ponton.
88. Gun carriage, King's disappearing.
89. Gun carriage, DeRussy.
90. Mine, Military.
91. Mines, submarine, triple group, Abbot's system with connections and appliances.
92. Torpedo, Sims-Edison fish.
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192.	Upper Mississippi River Improvement, below Nininger, Minn.	100
193.	Upper Mississippi River Improvement, below Keithsburg, Minn.	100
194.	Mississippi River Shore Protection Work, showing head of mattress.	100
195.	Mississippi River Shore Protection Work, grading bank at foot of mattress.	100
196.	Mississippi River Shore Protection Work, weaving and stuffing the mattress.	100
197.	Mississippi River Shore Protection Work, making mattress; mattress nearly ready for lowering.	100
198.	Mississippi River Shore Protection Work, sinking the mattress.	100
199.	Mississippi River Shore Protection Work, loading the sunken mattress.	100
200.	Mississippi River Shore Protection Work, protecting upper bank.	100

Exhibit

- No.
201. Mississippi River, Sinking Subaqueous Mat, Plum Point.
202. Missouri River Improvement, single dykes under construction.
203. Missouri River Improvement, showing incipient fill.
204. Missouri River Improvement, showing completed fill.
205. Missouri River Improvement, construction of dyke and partly sunk mat.
206. Missouri River Improvement, dyke and foot mat, ready for sinking.
207. Missouri River Improvement, effect of dyke in accumulating drift.
208. Missouri River Improvement, grading party at work with hydraulic grader.
209. Missouri River Improvement, mattress party at work.
210. Missouri River Improvement, mattress sunk, and stone bank revetment laid.
211. Missouri River Improvement, snagboat "C. R. Suter."
212. Missouri River Improvement, grading bank with hydraulic jet.
213. Missouri River Improvement, mattress party lowering mattress.
214. Missouri River Improvement, side view of snagboat "C. R. Suter."
215. Missouri River Improvement, pulling snags.
216. Missouri River Improvement, pile sinker for three-row pile dyke.
217. Missouri River Improvement, constructing foot mat for dyke.
218. Missouri River Improvement, system of pile dykes at Atchison.
219. Missouri River Improvement, system of pile dykes at Sioux City.
220. Missouri River Improvement, resulting fill at Sioux City.
221. Muscle Shoals Canal, shoal creek aqueduct empty.
222. Muscle Shoals Canal, shoal creek aqueduct empty.
223. Muscle Shoals Canal, lock No. 6.
224. Muscle Shoals Canal, quarry at lock No. 4.
225. Muscle Shoals Canal, locomotive towing.
226. Muscle Shoals Canal, lock No. 2.
227. Muscle Shoals Canal, lock No. 6.
228. Muscle Shoals Canal, dam at channel above lock A.
229. Muscle Shoals Canal, shoal creek aqueduct, filled.
230. Muscle Shoals Canal, lock A.
231. Muscle Shoals Canal, lock A.
232. Muscle Shoals Canal, lock B.
233. Muscle Shoals Canal, lock No. 1.
234. Muscle Shoals Canal, bluffs above lock No. 3.
235. Muscle Shoals Canal, dredge and Bluewater waste-weir.
236. Muscle Shoals Canal, Bluewater bridge and dam.
237. New Haven, Conn., breakwater at.
238. New York Harbor Improvement, hydraulic dredge "Reliance".
239. Ohio River Improvement, Davis Island lock and dam, five miles below Pittsburg, Pa.
240. Ohio River Improvement, Davis Island lock and dam; lowering the dam.
241. Ohio River Improvement, Davis Island lock and dam; towboat with tow passing through lock.

Exhibit  
No.

242. Ohio River Improvement, Davis Island lock and dam; towboat with tow passing through navigable pass.
243. Ohio River Improvement, Davis Island lock and dam; view from north pier.
244. Ohio River Improvement, Davis Island lock and dam; lowering the dam.
245. Philadelphia Harbor Improvement, steam pulsometer at work.
246. Philadelphia Harbor Improvement, steam pulsometer depositing material on League Island.
247. Philadelphia Harbor Improvement, discharge pipe of steam pulsometer, "Big Jim."

PHOTOGRAPHS. MILITARY ENGINEERING, FORTIFICATIONS  
AND COAST DEFENSES.

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249. Fort Sumter, South Carolina, interior just before final bombardment.
250. Fort Wadsworth, Staten Island, New York Harbor.
251. Fort La Fayette, Long Island, New York Harbor.
252. Fort Warren, Boston Harbor, east front.
253. Fort Monroe, Virginia, View of.
254. Fort Monroe, Virginia, View of.
255. Old Forts, New York Harbor, Castle Garden, New York City.
256. Old Forts, New York Harbor, Castle Williams, Governor's Island, New York.
257. Fort Pickens, Florida, View of.
258. Fort Barrancas, Florida, View of.
259. Willets Point, New York, explosion of submarine mine.
260. Willets Point, New York, destruction of schooner by submarine mine explosion.
261. Willets Point, New York, explosion of submarine mine.
262. Willets Point, New York, explosion of submarine mine.
263. Willets Point, New York, explosion of submarine mine.
264. Willets Point, New York, mule decapitated by nitro-glycerine explosion.
265. Willets Point, New York, explosion of submarine mine.
266. Willets Point, New York, Sims-Edison fish torpedo in motion.
267. Willets Point, New York, explosion of submarine mine.

## PHOTOGRAPHS OF LIGHT HOUSES.

268. Aransas Pass Light House, Texas.
269. Biloxi Light, Mississippi.
270. Bolivar Point Light, Galveston Harbor.
271. Chandeleur Light, Louisiana.
272. Dry Tortugas Light, Florida Reef.
273. Fort Point Light, Galveston Harbor, Texas.

Exhibit  
No.

- 274. Fowey Rocks Light, Florida.
- 275. Front Beacon, Craighill Channel, Baltimore Harbor.
- 276. Gasparilla Light, Florida.
- 277. Poverty Island Light.
- 278. Rear Beacon, Craighill Channel, Baltimore Harbor.
- 279. Sandy Point Light House, Chesapeake Bay.
- 280. Sanibel Island Light, Florida.
- 281. Sharp's Island Light House, Choptank River Entrance, Md.
- 282. Ship Island Light, Mississippi.
- 283. South Pass East Jetty Light, Mississippi River.
- 284. Sombrero Key Light, Florida Reefs.
- 285. Spectacle Reef Light.

PHOTOGRAPHS OF PUBLIC WORKS IN DISTRICT OF  
COLUMBIA.

- 286. Perspective of the Building for the Library of Congress.
- 287. State War and Navy Building, Washington, D. C.
- 288. View of Building for Library of Congress, during construction.
- 289. Washington Monument.
- 290. Washington Aqueduct, Cabin John Bridge.
- 291. Washington Aqueduct, Griffith Park Bridge.
- 292. Washington Aqueduct, Rock Creek Bridge.

## PHOTOGRAPHIC ALBUMS. (In Duplicate.)

- 293. Building for the Library of Congress. (16 views.)
- 294. Willets Point, Fort Monroe, Old Fortifications. (74 views.)
- 295. St. Mary's Falls Canal and Locks. (63 views.)
- 296. Light Houses. (69 views.)
- 297. Cascades Locks, Columbia River. (41 views.)
- 298. Upper Columbia River Improvement, Yaquina Bay, Coos Bay, Coquille River Entrance. (45 views.)
- 299. Improvements of Certain Rivers in South Carolina; Coosa River Improvement, Alabama; Muscle Shoals canal, Tennessee River, Alabama. (41 views.)
- 300. Improvement of Certain Rivers and Harbors in Georgia. (54 views.)
- 301. Great Kanawha River Improvement, West Virginia; Falls of Ohio River, Louisville and Portland canal; Wabash River Improvement; Cumberland and French Broad Rivers improvement. (10 views.)
- 302. Ohio River Improvement.
- 303. Allegheny River Improvement.
- 304. Muskingum River Improvement.
- 305. Monongahela River Improvement.
- 306. Boston Harbor, New York Harbor, Harlem and Hudson River improvements, harbors of East Coast; Lake Michigan; harbors of Duluth, Agate Bay and Marquette. (78 views.)
- 307. Mississippi River Commission Works. (55 views.)

## Exhibit

308. Missouri Commission Works; Fox River Improvement; Illinois and Mississippi Canal; Illinois River Improvement; Calumet River and Chicago harbor. (65 views.)
309. Upper Mississippi River Improvement.

## CHARTS, MAPS, AND DRAWINGS. RIVER AND HARBOR IMPROVEMENTS.

310. United States Snagboat "Suwanee," St. Augustine, Florida.
311. Elevation, Plan, Section and detail of Iron Lock Gates at Bremerhaven, copied from German drawings under the direction of G. Weitzel, Major of Engineers, U.S.A. (Sheets A. to E. 2 sets.)
312. Lake Champlain, cross sections of breakwaters.
313. Columbia River Improvement, mouth of, drawings and maps.
314. East River, Hell Gate, map Way's Reef.
315. East River, drawing, drill saw, "Gen John Newb.".
316. Fox River, lower dam at Appleton.
317. Hudson River, Waterford to Hudson, map.
318. Kampsville Lock, Illinois River, Ill., detailed drawings of (in 14 sheets; 2 sets).
319. Great Kanawha River, West Virginia, detailed drawings of lock and dam No. 7 (in 16 sheets; 2 sets).
320. Great Kanawha River, lock and dam No. 2; atlas of drawings.
321. Great Kanawha River Improvement; atlas of maps.
322. St. Mary's Falls Canal and Locks, Michigan, detailed drawings of (in 17 sheets; 2 sets).
323. Plans of Different Wooden Structures used in improving Lake Michigan (in 21 sheets and pamphlet; 2 sets).
324. Plan of Crib Work adopted for Piers of Lake Michigan Harbors (2 sets).
325. Des Moines Rapids Locks and Canal of the Mississippi River, detailed drawings of (in 39 sheets; 2 sets).
326. Reservoirs at Headwaters of the Mississippi, Winnebagoish Bar.
327. New York Harbor, improvement of maps.
328. Falls of the Ohio River, improvement of; locks of the Louisville and Portland canal (in 8 sheets; 2 sets).
329. Davis Island Dam, Ohio River (in 12 sheets; 2 sets).
330. Potomac River Improvement, plan of.
331. Potomac River. Design of Suspension Bridge.
332. Outline Map of the United States and Territories, prepared in the office of the chief of engineers, U.S.A., showing the tonnage of the navigable rivers of the United States. Compiled from annual reports, 1890.
333. Map showing the location of works and surveys for river and harbor improvement. Compiled for the index to the reports of the chief of engineers, 1879.

# CHARTS, MAPS, AND DRAWINGS. EXPLORATIONS AND SURVEYS.

Exhibit  
No.

334. Map of the Arkansas River from Little Rock, Ark., to the mouth (in 22 sheets; 2 sets)
335. Map of the Arkansas River from Wichita, Kas., to Fort Gibson, I. T., (in 36 sheets; 2 sets).
336. Map of California and Nevada, with parts of Utah and Arizona, prepared in the office of the Chief of Engineers, U. S. A. 1879. (2 maps.)
337. Charts of Lake Erie, United States, survey of the northern and north-western lakes. (2 sets).
338. Charts of Lake Huron, United States, survey of the northern and northwestern lakes. (2 sets.)
339. Charts of Lake Michigan, United States, survey of the northern and northwestern lakes. (2 sets.)
340. Map of the Mississippi River from Lake Itasca to the Falls of St. Anthony (in 17 sheets; 2 sets.)
341. Map of the Mississippi River from the Falls of St. Anthony to the junction of the Illinois River (in 29 sheets; 2 sets).
342. Map of the Mississippi River between the mouth of the Illinois and the mouth of the Ohio River (in 11 sheets; 2 sets)
343. Preliminary Map of the Lower Mississippi River from the mouth of the Ohio River to the head of the passes; by Mississippi River Commission (in 37 sheets; 2 sets).
344. Mississippi River, survey made under the direction of the Mississippi River Commission (Sheets Nos. 3 to 69 and 101 to 114; 2 sets).
345. Alluvial Valley of the Mississippi River, map of, from the head of St. Francis basin to the Gulf of Mexico, showing lands subject to overflow, location of levees, and trans-alluvial profiles; by the Mississippi River Commission, 1887 (in 8 sheets; 2 maps).
346. Map of the Missouri River (in 45 sheets; 2 sets.)
347. Territories of New Mexico and Arizona, prepared in the office of the Chief of Engineers, U. S. A., 1879. (2 maps.)
348. Map of the Ohio River (in 41 sheets; 2 sets).
349. Charts of Lake Superior, U. S., survey of the northern and northwestern lakes. (2 sets.)
350. Survey of Western Texas, 1883-84. (2 sets.)
351. The United States and their Territories between the Mississippi and the Pacific Ocean, and of part of Mexico, compiled in the Bureau of the Corps of Topographical Engineers, 1850.
352. Territory of the United States from the Mississippi to the Pacific Ocean, 1854-55-56-57.
353. Territory of the United States from the Mississippi River to the Pacific Ocean, recompiled and redrawn under the direction of the Chief of Corps of Engineers, 1865-66-67-68.

Exhibit  
No.

354. **Map of the United States**, prepared in the office of the Chief of Engineers, U. S. A.; 1885, corrected to 1889. (2 maps.)
355. **Map of Territory of the United States west of the Mississippi River**, prepared in the office of the Chief of Engineers, U. S. A., 1883. (2 maps.)
356. **Topographical Map of Washoe Mining Region.** (2 maps.)
357. **Outline Map of Washoe District, Nevada**, showing Comstock lode, location of mineral claims, shafts, mills, mining towns, etc., 1879. (2 maps.)
358. **Map of the White River** from Forsythe, Mo., to the mouth (in 45 sheets; 2 sets).
359. **Surveys west of the 100th meridian.** Topographical sheets. Land classification sheets. Geological sheets. (2 sets.)
360. **Map of the Yellow Stone River** from Fort Keogh to Fort Buford (in 44 sheets; 2 sets).
361. **Map of the Yellow Stone River** from Fort Keogh to Junction City (in 93 sheets; 2 sets).

**MILITARY MAPS.**

362. **Map of the territory and department of Arizona, 1885.** (2 maps.)
363. **Maps of Battle-fields in the Civil War.** (2 sets.)
364. **Map of the department of Columbia**; projected and compiled at the Engineer Office, Department of the Columbia, 1881; corrected to 1892. (2 maps.)
365. **Map of the department of Dakota**, including Minnesota, North Dakota, Montana, Yellowstone National Park and that portion of South Dakota lying north of the forty-fourth parallel of north latitude; prepared in the Engineer Office, Headquarters Department of Dakota, 1891. (2 maps.)
366. **Outline map of a portion of the Department of the Missouri, 1884.** (2 maps.)
367. **Northwestern New Mexico**; prepared in the office of the Chief Engineer, Department of the Missouri, 1885. (2 maps.)
368. **Southwestern New Mexico**; prepared in the office of the Chief Engineer, Department of the Missouri, 1883. (2 maps.)
369. **Map of that portion of the department of the Platte and adjacent territory west of the 103d meridian**; compiled at the Engineer office, Department of the Platte, 1889. (2 maps.)
370. **Military Map of Southwestern Texas, 1881.** (2 maps.)
371. **Military map of Western Texas, 1884.** (2 maps.)
372. **Military map of the United States**, office of the Chief of Engineers, War Department, 1870.

**PUBLICATIONS OF THE ENGINEER BUREAU OF THE WAR DEPARTMENT.**

(A detailed catalogue of the items in this class will accompany the exhibit.)

**ORDNANCE SECTION.****SEA COAST GUNS AND CARRIAGES.**Exhibit  
No.

- 373. 12-inch breech loading rifle, steel, mounted on cradle.
- 374. 10-inch breech loading rifle, steel, mounted on free-recoil carriage. (Outside building.)
- 375. 8-inch breech loading rifle, steel, mounted on service barbette carriage.
- 376. Model of 8-inch breech loading steel rifle, showing construction.
- 377. 12-inch breech loading mortar, mounted on Canet carriage. (Outside building.)
- 378. 12-inch breech loading mortar, mounted on spring return carriage. (Outside building.)
- 379. 8-inch converted muzzle loading rifle, mounted on barbette carriage. (Outside building.)
- 380. Model of 15-inch muzzle loading Rodman gun on carriage.
- 381. Model of Sutcliff's mechanism for breech loading rifles.
- 382. Model of Krupp's mechanism for breech loading rifles.
- 383. Model of DeRussy's depressing gun carriage, 1835.
- 384. Model of Rodman's casting plant for guns.

**SIEGE GUNS AND CARRIAGES.**

- 385. 5-inch breech loading steel rifle, mounted on siege carriage. (Outside building.)
- 386. 7-inch breech loading steel howitzer, on sling cart. (Outside building.)

**FIELD GUNS AND CARRIAGES.**

- 387. 3.6-inch breech loading steel rifle on heavy field carriage.
- 388. 3.2-inch breech loading steel rifle on field carriage, with limber horses and harness.
- 389. 3.6-inch breech loading steel mortar and carriage on mortar platform.
- 390. Hotchkiss breech loading mountain gun and carriage packed on pack-mules.
- 391. Yates breech loading field gun, not mounted.
- 392. Models of Gerdorn breech mechanism for field guns.
- 393. Model of 6-pounder gun on Gribeauval carriage.

**EARLY CANNON.**

- 394. Chinese cannon, bronze, breech loader, fourteenth century.
- 395. Old breech loading gun, 4-pounder, wrought iron, of similar form, found in the Hudson River.

**CANNON OF THE REVOLUTION. MUZZLE LOADING.**

- 396. Small brass howitzer, English, calibre 2¼ inches.
- 397. French 6-pounder bronze gun, presented by General Lafayette.
- 398. English cannon, captured at Yorktown by General Lafayette.
- 399. English field piece, flint lock, bronze, calibre 3 inches.

## CANNON OF THE MEXICAN WAR.

Exhibit  
No.

400. 6-pounder bronze gun, 3.67 inches, Duncan's battery.  
 401. 6-pounder bronze gun, 3.67 inches, Ringgold's battery.  
 402. 17-inch bronze mortar and bed.

## CANNON OF THE WAR OF THE REBELLION.

403. 4-pounder gun, fired first shot of Rebellion.  
 404. 3-inch wrought iron rifle, fired last shot against Lee's army at Appomattox.  
 405. Colt's revolving gun, calibre 2 inches. Old model.  
 406. George's cast iron revolving gun, calibre 1 1/4 inches; 18 horizontal radial chambers.  
 407. 3.1-inch breech loading William's gun, rifled.  
 408. 3-inch Whitworth breechloading steel rifle, captured from blockade runner.

## OLD GUNS OF THE UNITED STATES.

409. 16-inch United States bronze mortar and bed.  
 410. 12-pounder bronze field gun with handles, calibre 4.62 inches.  
 411. 12-pounder breech loading smooth bore gun, cast iron, found at Fort Richmond, New York.

## RAPID FIRE GUNS.

412. William's gun, rifled, calibre 1.56 inches. (War of the Rebellion.)  
 413. Hotchkiss 6-pounder, on crinoline mount.  
 414. Seabury 6-pounder, on crinoline mount.  
 415. Driggs-Schroeder 6-pounder, on crinoline mount.

## MACHINE GUNS.

416. Gatling gun, model 1890, with carriage.  
 417. Gardner gun, improved, with carriage.  
 418. Requa battery gun, obsolete, with carriage.  
 419. Union repeating gun, obsolete, with carriage.  
 420. Vandenhurgh volley gun, obsolete, with carriage.  
 421. Guthrie and Lee machine gun, obsolete.  
 422. Hotchkiss revolving cannon, calibre 1.5.  
 423. Maxim Machine Gun, loaned by Maxim.

## SMALL ARMS.

## MATCH LOCK.

424. Match lock musket—Formosan.  
 425. Match lock musket from India; day.  
 426. Match lock musket, calibre .717,  
 427. Match lock musket, calibre .56;  
 428. Match lock musket, Chinese; 10

Sig. Lee max.  
 Seo. Livermore  
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Exhibit  
No.

- 554. Springfield, rifled (model 1855), calibre .58; Maynard primer, fitted for detachable stock.
- 555. Springfield breech loading, rifled, model 1868, calibre .50; experimental.
- 556. Springfield, breech loading, rifled, model 1868, calibre .50; experimental.

## ARMY AND NAVY REVOLVERS -- USING PAPER CARTRIDGES.

- 557. Remington, calibre .44; used largely in the Rebellion.
- 558. Remington, calibre .44.
- 559. Wesson and Leavitt, calibre .35; first revolver patented after Colt's; made by "Massachusetts Arms Company," Chicopee Falls, Mass.
- 560. Joslyn, calibre .44; skeletonized; takes same cartridge as Colt's.
- 561. Beall, calibre .44; bears close resemblance to the Remington.
- 562. Colt, calibre .44; used for experimental bluing.
- 563. Adams (English), calibre 44; patented, 1856.
- 564. Starr, calibre .44; self-cocking, set trigger.
- 565. Starr, calibre .44; self-cocking, set trigger.
- 566. Starr, calibre .44; self-cocking, set trigger.
- 567. Dreyse-"Needle," calibre .35.
- 568. Dreyse-"Needle," calibre .35.
- 569. Allen and Wheelock, calibre .44.
- 570. Allen and Wheelock, calibre .44.
- 571. Starr, calibre .44; self cocking, set trigger.
- 572. Colt, calibre .44.
- 573. Joslyn, calibre .44.
- 574. Joslyn, calibre .44; skeletonized.
- 575. Savage, calibre .3625; self cocking.
- 576. Pettengill, calibre .44.
- 577. Savage, calibre .3625; self cocking.
- 578. Savage, calibre .3625; self cocking.

## ARMY AND NAVY REVOLVERS USING METALLIC CARTRIDGES.

- 579. Lefauchaux (French), calibre .35; "pin-fire."
- 580. Christensen (Danish), calibre .44; "pin-fire."
- 581. Remington, calibre .44. Originally used with paper cartridges. Converted for use of triangular metallic cartridge; experimental.
- 582. Remington, calibre .44; shows alterations for metallic ammunition.
- 583. Colt, calibre .44. Originally used with paper cartridge. Shows alterations for metallic ammunition, and mode of ejecting shell.
- 584. Colt, calibre .44; shows alterations for metallic ammunition.
- 585. French model, 1873, calibre --; made at St. Etienne.
- 586. Colt, calibre .36; shows alterations for metallic ammunition.
- 587. Colt, calibre .44; shows alterations for metallic ammunition.

Exhibit  
No.

588. Lefauchaux (French), calibre .44; "pin-fire."
589. Perrin (French), calibre .44.
590. Perrin (French), calibre .44.
591. Perrin (French), calibre .44.
592. Smith and Wesson, calibre .43; Russian model.
593. Schofield-Smith and Wesson, calibre .45; United States service pattern.
594. Smith and Wesson, calibre .44.
595. Sharps, calibre .44; private property.
596. Colt, calibre .45; United States service pattern.
597. Colt, calibre .45; United States service pattern; skeletonized; presented to National Armory Museum by General Franklin, March 12, 1875.
598. Colt, calibre .44; shows alterations for metallic ammunition.
599. Colt, calibre .44; shows alterations for metallic ammunition, and improved mode of ejecting shell.
600. Remington, calibre .44; "pin-fire;" swinging shell extractor.
601. Remington, calibre .44; invented by Dr. Hay, and submitted by Brig. Gen. R. Williams. Dr. Hay's Patent Safety Lever. See arrangement near trigger.
602. Remington, calibre, 44; shows alterations for metallic ammunition.
603. Remington, calibre, 44; shows alterations for metallic ammunition.
604. Remington, calibre, 44; shows alterations for metallic ammunition.
605. Starr, calibre, 44; shows alterations for metallic ammunition.
606. Remington, calibre, 44; shows alterations for metallic ammunition.
607. Schofield-Smith and Wesson, calibre, 45; unserviceable; used for experimental blueing.

## PISTOLS AND REVOLVERS IN SHOW CASE.

608. Prussian needle revolver, paper cartridge, calibre, 40.
609. Old Japanese revolver.
610. Colt's new army revolver, with holster.
611. Old Spanish petronel, flint lock, bell muzzle.
612. Muzzle loading pistol, calibre, 56, with magazine for pellets of fulminate, Alexander Forsyth's patent, 1807.
613. Multi-barrel, percussion cap pistol, rifled, diverging barrels, calibre, 43. English.
614. Pepper box, 8 shot, 31 calibre; hammer on top.
615. Pepper box, 6 shot, 31 calibre; hammer on bottom; Bacon & Co., Conn.
616. Pepper box, 8 shot, 22 calibre; Rupertus patent, 1864.
617. Pocket pistol, four barrels, 32 calibre; Elliott's patent, 1860, New York.
618. Pocket pistol, four barrels, 22 calibre; Sharp's patent, 1852, Pennsylvania.
619. Colt's revolver, pocket, skeleton, 5 shot.
620. Derringer, muzzle loader, 38 calibre, 1870.
621. American percussion cap pistol, 31 calibre.
622. American percussion cap pistol, 36 calibre.

**ORDNANCE SECTION.****SEA COAST GUNS AND CARRIAGES.**

Exhibit

No.

- 373. 12-inch breech loading rifle, steel, mounted on cradle.
- 374. 10-inch breech loading rifle, steel, mounted on free-recoil carriage. (Outside building.)
- 375. 8-inch breech loading rifle, steel, mounted on service barbette carriage.
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**SIEGE GUNS AND CARRIAGES.**

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- 391. Yates breech loading field gun, not mounted.
- 392. Models of Gerdorn breech mechanism for field guns.
- 393. Model of 6-pounder gun on Gribeauval carriage.

**EARLY CANNON.**

- 394. Chinese cannon, bronze, breech loader, fourteenth century.
- 395. Old breech loading gun, 4-pounder, wrought iron, of similar form, found in the Hudson River.

**CANNON OF THE REVOLUTION. MUZZLE LOADING.**

- 396. Small brass howitzer, English, calibre  $2\frac{3}{4}$  inches.
- 397. French 6-pounder bronze gun, presented by General Lafayette.
- 398. English cannon, captured at Yorktown by General Lafayette.
- 399. English field piece, flint lock, bronze, calibre 3 inches.

**CANNON OF THE MEXICAN WAR.**Exhibit  
No.

- 400. 6-pounder bronze gun, 3.67 inches. Duncan's battery.
- 401. 6-pounder bronze gun, 3.67 inches, Ringgold's battery.
- 402. 17-inch bronze mortar and bed.

**CANNON OF THE WAR OF THE REBELLION.**

- 403. 4-pounder gun, fired first shot of Rebellion.
- 404. 3-inch wrought iron rifle, fired last shot against Lee's army at Appomattox.
- 405. Colt's revolving gun, calibre 2 inches. Old model.
- 406. George's cast iron revolving gun, calibre 1½ inches; 18 horizontal radial chambers.
- 407. 3.1-inch breech loading William's gun, rifled.
- 408. 3-inch Whitworth breechloading steel rifle, captured from blockade runner.

**OLD GUNS OF THE UNITED STATES.**

- 409. 16-inch United States bronze mortar and bed.
- 410. 12-pounder bronze field gun with handles, calibre 4.62 inches.
- 411. 12-pounder breech loading smooth bore gun, cast iron, found at Fort Richmond, New York.

**RAPID FIRE GUNS.**

- 412. William's gun, rifled, calibre 1.56 inches. (War of the Rebellion.)
- 413. Hotchkiss 6-pounder, on crinoline mount.
- 414. Seabury 6-pounder, on crinoline mount.
- 415. Driggs-Schroeder 6-pounder, on crinoline mount.

**MACHINE GUNS.**

- 416. Gatling gun, model 1890, with carriage.
- 417. Gardner gun, improved, with carriage.
- 418. Requa battery gun, obsolete, with carriage.
- 419. Union repeating gun, obsolete, with carriage.
- 420. Vandenberg volley gun, obsolete, with carriage.
- 421. Guthrie and Lee machine gun, obsolete.
- 422. Hotchkiss revolving cannon, calibre 1.5 inches, with carriage.
- 423. Maxim Machine Gun, loaned by Maxim Nordenfeldt Company.

**SMALL ARMS.****MATCH LOCK GUNS.**

- 424. Match lock musket—Formosan.
- 425. Match lock musket from India; date unknown.
- 426. Match lock musket, calibre .717, of Fourteenth century.
- 427. Match lock musket, calibre .56; history unknown; probably eastern.
- 428. Match lock musket, Chinese; loaned by Mr. E. Thomas, Chicago.

**WHEEL LOCK GUNS.**

Exhibit

No.

429. Chinese wheel lock pistol; calibre .492.  
 430. Wheel lock gun, calibre .707; date about 1520.

**FLINT LOCK GUNS. MUZZLE LOADERS.**

431. Arab musket, calibre .727.  
 432. Albanian musket, calibre .72.  
 433. Old flint lock; unknown.  
 434. Flint lock musketoon, calibre .75.  
 435. English "Brown Bess," .75 calibre flint lock, bayonet, 1690-1840.  
 436. English smooth bore muzzle loading flint lock musket; calibre .75. Model 1747, marked "King's own Regiment" on barrel. Revolutionary trophy.  
 437. Flint lock musket—French, calibre .72; model 1763.  
 438. Flint lock rifle used by minute men of the Revolution, 1776, calibre 8.  
 439. Old flint lock, loaned by Mr. E. Thomas, Chicago.  
 440. Springfield smooth bore flint lock musket, calibre .70; model, 1818.  
 441. Four blunderbusses, iron and brass barrels, wall pieces, 1776 to 1800.

**PERCUSSION LOCK GUNS—MUZZLE LOADERS.**

442. Muzzle loading musket, hammer underneath, for ribbon primer, 1839.  
 443. Muzzle loading rifle, Russian Cossack Cavalry, 1867, .625 calibre.  
 444. Punch lock rifle—Loaned by Jefferson Company Historical Society. Watertown, New York, 1830, earliest percussion lock.  
 445. Springfield smooth bore musket; calibre .59; model, 1842.  
 446. Pistol carbine, smooth bore, calibre .547, 1851.  
 447. "Garibaldi" rifled musket, calibre .72.  
 448. Harper's Ferry rifle, calibre .501, 1860.  
 449. English Enfield rifle musket, with sabre bayonet; calibre 58.7; model, 1861.

**BREECH LOADERS—PAPER CARTRIDGE.**

450. Ferguson breech loading rifle 1776, flint lock, used in the Revolution, loaned by General de Peyster, New York.  
 451. Breech loading flint lock rifle musket (Hall's), calibre 51.2; 1818.  
 452. Hall's carbine, same system, percussion lock, calibre 64.2, with ramrod bayonet.  
 453. Single shot gun, Perry's patent 1856, 15 bore.  
 454. Green's bolt gun, calibre .535, paper cartridge, 1857.  
 455. Breech loading rifle, calibre 61. Doersch German patent, with bayonet.  
 456. Muzzle loader converted to breech loader, 70 calibre. Experimental.  
 457. Breech loading rifle, 41 calibre, rim-fire, faucet breech, by Bentley, England.  
 458. Breech loading carbine, faucet breech 43 calibre. C. W. Howard.  
 459. French chassepot carbine, calibre .45. Paper cartridge.

Exhibit

No.

- 460. Needle gun, German, calibre, .555 (De).
- 461. Dreyse's improved needle gun, calibre .605.

**BREECH LOADERS—METALLIC AMMUNITION.**

- 462. Burnside rifle carbine, calibre .54, 1856.
- 463. Morse's system, 1858; Wilson and Flather's alteration of smooth bore; calibre .58.
- 464. Breech loading carbine. Breech slides in vertical mortise; Allen's patent, 1860, 40 calibre.
- 465. Breech loading rifle musket (unknown) 1863, calibre .50.
- 466. Breech loading rifle, 50 calibre rim fire; D. Moore's patent, 1861.
- 467. Single shot gun; Stevens' patent, 1864, 13 bore.
- 468. Breech loading carbine, barrel turns on longitudinal pin; A. H. Rowe, 50 calibre, 1864.
- 469. Breech loading carbine, breech swings sideways to left; Berdan's patent, 45 calibre, 1865.
- 470. Breech loading rifle, E. Lindner's patent, .537 calibre; Austrian metallic cartridge, 1867.
- 471. Breech loading carbine, lifting and sliding breech; Root's patent, 1867, 50 calibre.
- 472. Muzzle loader converted to breech loader, 58 calibre; Root and Lord's patent, 1868.
- 473. Breech loading rifle, 45 calibre, Van Choate's patent, 1869.
- 474. Breech loading carbine, swinging breech and sliding striker.
- 475. Russian Berdan breech loading rifle and bayonet, calibre .42, 1870.
- 476. Breech loading rifle, 42 calibre Berdan's system, Russian Army "Slam-bang."
- 477. Breech loading rifle "Werder," Bavarian, calibre .45.
- 478. Remington rifle, Cadet, calibre .50; skeletonized frame.
- 479. Austrian, Werndl rifle, calibre .45, 1872; sabre bayonet.
- 480. Pierie breech loading rifle.
- 481. Peabody breech loading rifle, calibre .45.
- 482. Mauser rifle, German, calibre .45, 1871.
- 483. French Gras rifle, calibre .433; model, 1874.
- 484. Lee gun; calibre .45, 1875.
- 485. Martini Henry rifle, calibre .45.
- 486. Springfield rifle, calibre .45; trowel bayonet.
- 487. Springfield rifle, calibre .45; ramrod bayonet.
- 488. Springfield rifle, calibre 30, 1891.
- 489. A collection of arms showing different models used during the War of the Rebellion is also exhibited.

**REPEATING ARMS.**

(Old form with several charges in one barrel.)

- 490. Ellis' repeating flint lock muzzle loading rifle, calibre .54.
- Revolving arms.

Exhibit  
No.

491. Revolving rifle, flint lock, .56 calibre, 5 shots, Collier patent, 1818.
492. Whittier revolving rifle, date about 1838.
493. Colt's revolving rifle, five shots, with sword bayonet, calibre .56, 1857.
494. Swingle revolving repeating rifle, 1880.  
Tubular magazines in butt stock.
495. Spencer magazine carbine, old model, calibre .52; skeletonized.
- 495a. Clemens magazine on Springfield rifle, 1878.
496. Hotchkiss magazine rifle, calibre .45.
497. Chaffee Reece magazine rifle, calibre .45, 1881.  
Tubular magazine along barrel.
498. Punch lock rifle with magazine for paper cartridges and percussion pellets, unknown. (Loaned by Mr. E. Thomas, Chicago, Ill.)
499. Henry magazine rifle, sliding carrier block, calibre .42; old model.
500. Ball's breech loading magazine carbine, calibre .50, 1863.
501. Scott or Triplett magazine rifle, calibre .50; about 1870.
502. Breech loading carbine, .42 calibre, magazine on side; Stickney's patent, 1872.
503. Winchester magazine rifle, calibre .45; military model, 1876.
504. Swiss Vetterlin magazine rifle, calibre .40; about 1868; adopted by Switzerland for its corps d'elite.
505. Ward Burton magazine rifle, calibre .45; 1873; rocking carrier.
506. Remington-Keene magazine rifle, calibre .45; tested by magazine gun board of 1881.
507. Swiss or Belgian parlor magazine rifle, 10 shots, calibre .36.
508. Spencer repeating shot gun, 12 bore, 1881.
509. Winchester repeating shot gun.
510. Magazine rifle, German Mauser, calibre 11 millimeters.
511. Kropatschek, Portugal.
512. Murata, Japan.

## QUICK LOADERS.

These are not strictly repeating arms, but they form a link between the tubular magazines mentioned above and box magazines, the latest development of magazine arms given below:

513. Colonel J. G. Benton's quick loader, fixed, 1870.
514. General Hagner's quick loader, fixed, 1874.
515. Jas. B. Stillman's quick loader, fixed, 1874; two forms.
516. Ira Merrill's quick loader, fixed, 1884.
517. Colonel Benton's detachable quick loader, 1878.
518. Captain Metcalf's detachable quick loader and cartridge-packing block.

## BOX MAGAZINE RIFLES.

519. Lee magazine rifle; calibre .45; the earliest detachable box-magazine.
520. Livermore-Russell rifle, calibre .45; the earliest fixed box-magazine used with a loading clip.
521. Breech loading rifle, .45 calibre; Franklin's detachable magazine, 1887.

Exhibit  
No.

- 522. Lee-Speed, England.
- 523. Krag-Jorgensen, Denmark.
- 524. Mannlicher, Austria.
- 525. German model, 1888.
- 526. Schmidt, Switzerland.
- 527. Mannlicher carbine, Austria.
- 528. Mannlicher, Roumania.
- 529. Sporer.
- 530. Bruce.
- 531. Mauser.
- 532. Rubin, H., Swiss, 1888.
- 533. Schulhoff (Austrian), 1888.
- 534. Mannlicher (Austrian), calibre .303, 1888.
- 535. Berthier magazine rifle, (French). Loaned by Hotchkiss Ordnance Co.
- 536. Also a number of other guns brought before the recent United States magazine gun boards.

## PISTOLS AND REVOLVERS ON BOARDS—PISTOLS.

- 537. Ellis breech loading pocket pistol, patented, 1859.
- 538. Pocket pistol, smooth bore flint lock, cannon shaped muzzle, calibre .45.
- 539. Pocket pistol, rifled, calibre about .25.
- 540. Pistol for firing signal lights, model, 1861; signal light held in place by spring under barrel; fired by percussion caps.
- 541. Revolving pistol, "pepper box," percussion; self cocking.
- 542. Remington, breech loading, rifled, calibre .50; metallic cartridge.
- 543. Derringer (United States Navy), calibre .54; smooth bore, 1847.
- 544. Army, smooth bore flint lock, 1836, calibre .535; made by R. Johnson, Middletown, Conn.
- 545. Army, smooth bore flint lock, 1841, calibre .545; made by R. Johnson, Middletown, Conn.
- 546. Army, smooth bore, percussion, 1844, calibre .547; altered from flint lock; made by R. Johnson, Middletown, Conn.
- 547. Army, smooth bore, percussion, calibre .525; made by A. H. Waters & Co., Milbury, Mass.
- 548. French, smooth bore flint lock, 1830, calibre .66; made at Mutzig.
- 549. French, smooth bore, percussion, 1848, calibre .66.
- 550. "Springfield," smooth bore, percussion, 1842, United States model, No. 4, calibre .545.
- 551. Army, smooth bore, percussion, 1851, calibre .55; model, 1842; made by H. Aston & Co., Middletown, Conn.
- 552. Prussian, smooth bore, percussion, 1867, calibre .66; presented to the United States by the Prussian government.
- 553. Dueling (English), smooth bore, percussion, calibre .53.

Exhibit  
No.

- 554. Springfield, rifled (model 1855), calibre .58; Maynard primer, fitted for detachable stock.
- 555. Springfield breech loading, rifled, model 1868, calibre .50; experimental.
- 556. Springfield, breech loading, rifled, model 1868, calibre .50; experimental.

#### ARMY AND NAVY REVOLVERS—USING PAPER CARTRIDGES.

- 557. Remington, calibre .44; used largely in the Rebellion.
- 558. Remington, calibre .44.
- 559. Wesson and Leavitt, calibre .35; first revolver patented after Colt's made by "Massachusetts Arms Company," Chicopee Falls, Mass.
- 560. Joslyn, calibre .44; skeletonized; takes same cartridge as Colt's.
- 561. Beall, calibre .44; bears close resemblance to the Remington.
- 562. Colt, calibre .44; used for experimental bluing.
- 563. Adams (English), calibre 44; patented, 1856.
- 564. Starr, calibre .44; self-cocking, set trigger.
- 565. Starr, calibre .44; self-cocking, set trigger.
- 566. Starr, calibre .44; self-cocking, set trigger.
- 567. Dreyse—"Needle," calibre .35.
- 568. Dreyse—"Needle," calibre .35.
- 569. Allen and Wheelock, calibre .44.
- 570. Allen and Wheelock, calibre .44.
- 571. Starr, calibre .44; self-cocking, set trigger.
- 572. Colt, calibre .44.
- 573. Joslyn, calibre .44.
- 574. Joslyn, calibre .44; skeletonized.
- 575. Savage, calibre .3625; self-cocking.
- 576. Pettengill, calibre .44.
- 577. Savage, calibre .3625; self-cocking.
- 578. Savage, calibre .3625; self-cocking.

#### ARMY AND NAVY REVOLVERS USING METALLIC CARTRIDGES.

- 579. Lefauchaux (French), calibre .35; "pin-fire."
- 580. Christensen (Danish), calibre .44; "pin-fire."
- 581. Remington, calibre .44. Originally used with paper cartridges. Converted for use of triangular metallic cartridge; experimental.
- 582. Remington, calibre .44; shows alterations for metallic ammunition.
- 583. Colt, calibre .44. Originally used with paper cartridge. Shows alterations for metallic ammunition, and mode of ejecting shell.
- 584. Colt, calibre .44; shows alterations for metallic ammunition.
- 585. French model, 1873, calibre —; made at St. Etienne.
- 586. Colt, calibre .36; shows alterations for metallic ammunition.
- 587. Colt, calibre .44; shows alterations for metallic ammunition.

Exhibit  
No.

588. Lefauchaux (French), calibre .44; "pin-fire."
589. Perrin (French), calibre .44.
590. Perrin (French), calibre .44.
591. Perrin (French), calibre .44.
592. Smith and Wesson, calibre .43; Russian model.
593. Schofield-Smith and Wesson, calibre .45; United States service pattern.
594. Smith and Wesson, calibre .44.
595. Sharps, calibre .44; private property.
596. Colt, calibre .45; United States service pattern.
597. Colt, calibre .45; United States service pattern; skeletonized; presented to National Armory Museum by General Franklin, March 12, 1875.
598. Colt, calibre .44; shows alterations for metallic ammunition.
599. Colt, calibre .44; shows alterations for metallic ammunition, and improved mode of ejecting shell.
600. Remington, calibre .44; "pin-fire;" swinging shell extractor.
601. Remington, calibre .44; invented by Dr. Hay, and submitted by Brig. Gen. R. Williams. Dr. Hay's Patent Safety Lever. See arrangement near trigger.
602. Remington, calibre .44; shows alterations for metallic ammunition.
603. Remington, calibre .44; shows alterations for metallic ammunition.
604. Remington, calibre .44; shows alterations for metallic ammunition.
605. Starr, calibre .44; shows alterations for metallic ammunition.
606. Remington, calibre .44; shows alterations for metallic ammunition.
607. Schofield-Smith and Wesson, calibre .45; unserviceable; used for experimental blueing.

## PISTOLS AND REVOLVERS IN SHOW CASE.

608. Prussian needle revolver, paper cartridge, calibre, 40.
609. Old Japanese revolver.
610. Colt's new army revolver, with holster.
611. Old Spanish petronel, flint lock, bell muzzle.
612. Muzzle loading pistol, calibre, 56, with magazine for pellets of fulminate, Alexander Forsyth's patent, 1807.
613. Multi-barrel, percussion cap pistol, rifled, diverging barrels, calibre, 43. English.
614. Pepper box, 8 shot, 31 calibre; hammer on top.
615. Pepper box, 6 shot, 31 calibre; hammer on bottom; Bacon & Co., Conn.
616. Pepper box, 8 shot, 22 calibre; Rupertus patent, 1864.
617. Pocket pistol, four barrels, 32 calibre; Elliott's patent, 1860, New York.
618. Pocket pistol, four barrels, 22 calibre; Sharp's patent, 1852, Pennsylvania.
619. Colt's revolver, pocket, skeleton, 5 shot.
620. Derringer, muzzle loader, 38 calibre, 1870.
621. American percussion cap pistol, 31 calibre.
622. American percussion cap pistol, 36 calibre.

Exhibit  
No.

- 623. American percussion cap pistol, 31 calibre.
- 624. Pistol for metallic cartridges, 32 calibre.
- 625. Revolver for metallic cartridges, 32 calibre, Liege, Belgium.
- 626. French revolver, metal cartridges, 35 calibre; Abadie system.
- 627. Pocket revolver, metal cartridges, 32 calibre, double action, concealed hammer, folding trigger, "Baby."
- 628. Colt, old model, navy revolver, extension stock, with canteen.
- 629. American revolver, metal cartridge, 45 calibre, National, New York.
- 630. American revolver, metal cartridge, 32 calibre, Massachusetts.
- 631. German revolver, Mauser, 41 calibre.
- 632. German revolver, Mauser, 45 calibre, simultaneous ejector.

## GUN LOCKS.

- 633. Flint lock, revolution.
- 634. United States flint lock, Springfield, 1814.
- 635. United States flint Lock, Springfield, 1836; altered for peculiar main spring and sear.
- 636. United States percussion lock, Pittsburg. Original model of Maynard primer lock, invented by Dr. Maynard in 1853. From this the musket lock, model 1855, was perfected at the Springfield armory.
- 637. United States percussion lock, Springfield, 1831; altered for Maynard primer.
- 638. Unfinished model of Maynard primer lock.
- 639. United States percussion lock (Cadet), Springfield, 1854.
- 640. United States percussion lock, Springfield, model 1842.
- 641. United States percussion lock (Cadet), Springfield, 1856; model 1855; Maynard primer.
- 642. United States percussion lock, Springfield, 1860; model 1855; Maynard primer.
- 643. United States percussion lock, Springfield, 1860; model 1855; Maynard primer.
- 644. United States percussion lock, Springfield, 1860; model 1855; nickel plated.
- 645. United States percussion lock, Springfield, 1861.
- 646. United States percussion lock, Springfield, 1861; browned.
- 647. United States percussion lock, Springfield, 1864.
- 648. United States percussion lock, Springfield, 1862.
- 649. United States lock, Springfield; for breech loader.
- 650. United States lock, Springfield, model 1866. This lock was taken from an unserviceable breech loading rifle, model 1866, sent to the armory for repair in January, 1871. The ingenious device of a tapering screw in the lock-plate to regulate the dip of the sear nose was made by the soldier.
- 651. United States lock, Springfield, model 1866.
- 652. United States lock, Springfield, 1870; with safety notch in tumbler made after the plan of Mr. Locke, Salem, Mass., June, 1870.

Exhibit  
No.

- 653. United States lock, Springfield, nickel-plated, model 1868.
- 654. United States lock, Springfield, model 1873.
- 655. United States lock, Springfield, model 1884; safety notch in tumbler.
- 656. Confederate States percussion lock, Richmond, Va., 1862.
- 657. Sharps' percussion lock, for paper cartridge; C. Sharps' patent, October 5, 1852. Lawrence primer, R. S. Lawrence's patent, April 12, 1859.
- 658. Sharps' lock, for metallic cartridge.
- 659. Joslyn lock, for metallic cartridge; Joslyn Fire Arms Company, Stonington, Conn.
- 660. Joslyn lock, for metallic cartridge; face of hammer differs from No. 659. Joslyn Fire Arms Company, Stonington, Conn.
- 661. English percussion lock, Tower, 1861.
- 662. Spencer lock, for metallic cartridge.
- 663. Starr lock, for metallic cartridge; Starr Arms Company, Yonkers, N. Y.
- 664. Unknown model; trunnions on sear; probably foreign.
- 665. Left hand percussion lock, "J. Bishop" on plate.
- 666. Confederate States percussion lock, 1863. Cook & Brother, Athens, Ga., No. 3,088.
- 667. Confederate States percussion lock, Fayetteville, 1864.
- 668. United States percussion lock. Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn.
- 669. Confederate States percussion lock.
- 670. Prussian percussion lock; made at Potsdam.
- 671. United States percussion lock; two hammers for single barrel; Lindsay's patent.
- 672. Ancient flint lock of supposed Spanish origin; eighteenth century; presented to the National Armory Museum by Mr. Samuel Powell, of Newport, R. I., through Capt. Howard Stockton, November 15, 1871.
- 673. Albanian flint lock.

## TROWEL BAYONETS.

- 674. Rice trowel bayonet, first models; nickel-plated; blade welded to triangular bayonet, 1868.
- 675. Intrenching knife and scabbard; prepared under the direction of Col. J. G. Benton, September, 1879.
- 676. Combination bayonet; designed by Col. J. G. Benton, January 12, 1878.
- 677. Combination bayonet, with steel scabbard.
- 678. Dahlgren bowie-knife bayonet; from Naval Bureau of Ordnance.
- 679. Trowel bayonet scabbard; designed and made by L. F. Bruce, December 8, 1879.

## AMMUNITION.

## SERVICE PROJECTILES.

- 680. 12-inch breech loading rifle, solid shot.

- 701. 2-inch breech loading rifled mortar shell, 630 pounds.
- 702. 2-inch breech loading rifled mortar shell, 800 pounds.
- 703. 2-inch breech loading rifled mortar shell, fired and recovered.
- 704. 2-inch breech loading rifle cored shot.
- 705. 2-inch breech loading rifle cored shot.
- 706. 2-inch breech loading rifled howitzer shell.
- 707. 2-inch breech loading rifle shell.
- 708. 3.2-inch breech loading rifle shell.
- 709. 3.2-inch breech loading rifle shell, fired and recovered.
- 710. 3.2-inch breech loading rifle shell for point fuse.
- 711. 3.2-inch breech loading rifle shell.
- 712. 3.2-inch breech loading rifle shell for point fuse.
- 713. 3.2-inch Hotchkiss shrapnel.
- 714. 3-inch Hotchkiss shrapnel.
- 715. 6-pounder Driggs-Schroeder armor piercing shell.
- 716. 6-pounder Seabury common shell.
- 717. 6-pounder Hotchkiss common shell.
- 718. 3.6-inch shrapnel with fuse.
- 719. 3.2-inch shrapnel with fuse cut.
- 720. Maxim Nordenfeldt 6 pounder with fuse cut.

### ELECTRIC WELDED PROJECTILES.

(Loaned by the American Projectile Co.)

- 701. 12 black enameled 4-inch steel common shell; navy.
- 702. 4-inch steel common shell; navy.
- 703. 4-inch steel common shell, with section removed to show interior; navy.
- 704. 4-inch steel common shell for carrying high explosives; navy.
- 705. 4-inch shrapnel.
- 706. Piece of 4-inch tubing from which 4-inch common shell are made; navy.
- 707. 3.2-inch shrapnel; army.
- 708. 3.2-inch shrapnel with section removed to show interior; army
- 709. 3.2-inch shrapnel fired, uninjured; army.
- 710. 57 millimetres (6-pounder); army.
- 711. 57 millimetres with section removed to show interior; army.
- 712. 57 millimetres, rough, before finishing; army.
- 713. 6-inch steel common shell with section removed to show interior; navy.
- 714. Piece of 6-inch tubing from which 6-inch shell are made; navy.
- 715. Section of 6-inch tubing from which 6-inch shrapnel are made; navy.

### SHELL FOR PNEUMATIC DYNAMITE GUN. (ZALINSKI.)

- 716. 8-inch projectile.
- 717. 15-inch projectile.

### CARTRIDGES FOR CANNON.

- 718. Charges for 3-inch muzzle loading rifle.
- 719. Charges for 3.2-inch breech loading rifle.

# WAR DEPARTMENT.

75

Exhibit  
No.

- 720. Charges for 3.6-inch breech loading rifle.
- 721. Charges for 3.6-inch breech loading mortar.
- 722. Charges for 5-inch breech loading rifle.
- 723. Charges for 7-inch howitzer; breech loading.
- 724. Charges for 8-inch rifle; breech loading.
- 725. Charges for 10-inch rifle; breech loading.
- 726. Charges for 12-inch rifle; breech loading.
- 727. Charges for 12-inch breech loading mortar; steel.
- 728. Charges for 12-inch breech loading mortar; cast iron hooped.
- 729. Charges for 7-inch Ames rifle.
- 730. Charges for 8-inch muzzle loading converted rifle.
- 731. Charges for 11-inch muzzle loading converted rifle.
- 732. Charges for 15-inch muzzle loading, smooth bore.

## CARTRIDGES FOR SMALL ARMS.

- 733. Samples of reloaded Morse cartridges.
- 734. Board containing 110 samples of projectiles for small arms collected from different nations.
- 735. Twelve boards containing specimens of cartridge manufacture.
- 736. Cabinet containing different kinds of cartridges.

## PRIMERS FOR CANNON.

- 737. Board containing 64 samples and specimens, foreign and American manufacture, caps and primers for small arms and cannon.
- 738. Board containing 21 specimens showing effects of firing on cannon.
- 739. Service friction primers.
- 740. Electric primers.
- 741. Obturating primers, friction and electric.
- 742. Vent-sealing Seabury primers.
- 743. Armstrong electric and friction primers.
- 744. German friction primers.

## FUSES.

- 745. Frankford Arsenal combination, 28 seconds.
- 746. Frankford Arsenal, percussion.
- 747. French Combination, "Walters."
- 748. Armstrong base percussion.
- 749. Armstrong time and concussion.
- 750. Hotchkiss base percussion, large.
- 751. Hotchkiss base percussion, flat head.
- 752. Hotchkiss base percussion, small.
- 753. Hotchkiss point percussion, large.
- 754. Hotchkiss point percussion, medium.
- 755. Hotchkiss point percussion, small.
- 756. Hotchkiss point percussion, made at Frankford Arsenal.

Exhibit  
No.

- 757. Hotchkiss point percussion, 47 millimetres.
- 758. German Krupp, time and percussion.
- 759. German Krupp, percussion.
- 760. Moffat combination.
- 761. Bowman, time.
- 762. Driggs base percussion.
- 763. Schenke percussion, large.
- 764. Schenke percussion, small.
- 765. Danish percussion.
- 766. Swiss combination.
- 767. Swiss field.
- 768. Frankford aluminium combination.
- 769. Dutch combination.
- 770. Russian combination.
- 771. Swedish combination.
- 772. Paper, time fuse, 5 seconds.
- 773. Paper, time fuse, 8 seconds.
- 774. Paper, time fuse, 10 seconds.
- 774a. Paper, time fuse 15 seconds.
- 775. Paper, time fuse 20 seconds.
- 776. Lead fuse train showing method of manufacture.

**SERVICE TOOLS AND EQUIPMENTS.**

- 777. Set of hand reloading tools.
- 778. Set of bench reloading tools.
- 779. Mill's small arms cartridge belts.
- 780. Headless shell extractor.
- 781. Inspecting mirror for Springfield rifle.
- 782. Dodge's blanket roll support.
- 783. Merriam's knapsack.

**SHOOTING GALLERY AND BALLISTIC MACHINES.****PRESSURE OF POWDER IN GUNS.**

- 784. Bomford & Wade's experimental gun, 3-inch cast iron, illustrating early methods of obtaining powder pressures.
- 785. Six-pounder bronze gun tapped for wall pressures.
- 786. Small eprouvette mortar with copper shot in muzzle.
- 787. Crusher gauge for muzzle loading guns, large.
- 788. Crusher gauge for muzzle loading guns, small.
- 789. Crusher gauge for breech loading guns, large.
- 790. Crusher gauge for breech loading guns, small.
- 791. Rodman pressure gauge.

**MEASUREMENT OF VELOCITY.**

- 792. Gun pendulum (model).
- 793. Shultz chronoscope.

**Exhibit  
No.**

- 794. Navez-Leurs chronograph.
- 795. Vignotti chronograph.
- 796. Benton thread and electric velocimeter.
- 797. Le Boulange chronograph.
- 798. Breger chronograph.
- 799. Sebert velocimeter with instrument for reading record.
- 800. Drop chronograph.
- 801. Self-registering projectile.

**RANGE FINDERS.**

- 802. Watkin's depression range finder.
- 803. Paddock's interpolator.
- 804. Watkin's field range finder.
- 805. Gautier's telemeter.
- 806. Wejdon range finder.
- 807. Pratt range finder.
- 808. Gordon range finder.
- 809. Russell range finder, combination.
- 810. Russell range finder, triangular.
- 811. Richards' hand telescope for stadia work.
- 812. Labbez range finder.

**INSTRUMENTS FOR AIMING GUNS.**

- 813. Zalinski sight (old).
- 814. Zalinski sight (new).
- 815. Loraine sight.
- 816. Frankford Arsenal sight for field guns.
- 817. Gunners' quadrant.
- 818. Pointing rod for 3.6 mortar (field).
- 819. Belgian aiming device.

**MEASURING INSTRUMENTS.**

- 820. Opisometer for measuring lengths.
- 821. Micrometer for measuring surface lengths.
- 822. Set of measuring rods, interior diameters, micrometer points.
- 823. Adjustable measuring rods.
- 824. Star gauge for measuring interior diameter of guns.
- 825. Cylinder gauge.
- 826. Chamber gauge.
- 827. Gas check seat gauge.
- 828. Ring gauges for 3-6-inch shrapnel.
- 829. Profile templet for 3-6-inch shrapnel.
- 830. Eccentric calipers for shell.
- 831. Brass thickness gauge.
- 832. Exterior and interior rests (Flagler) for star gauge.

Exhibit  
No.

- 833. Caliper arm, steel and wood, for diameters of heavy guns, micrometer points.
- 834. Supporting saddle and suspension ring for caliper arms.
- 835. Vernier calipers, capacity 36 inches.
- 836. Special instrument for measuring large diameters to within .0001 inch.
- 837. Instrument for measuring extension and compression.

## MACHINES IN OPERATION.

- 838. Springfield armory gun making machines.
- 839. Turning butt of stock.
- 840. Bedding stock for barrel.
- 841. Planing stock.
- 842. Bedding stock for lock.
- 843. Bedding stock for trigger guard.
- 844. Rotary filing of receivers.
- 845. Profiling trigger guard.
- 846. Rifling barrels.
- 847. Milling metal parts.
- 848. Rotary for clamp milling.
- 849. Turning exterior of barrels.
- 850. Drilling bore of barrels.
- 851. Gas furnace.
- 852. Drop hammer. Loaned by Merrill Bros., Brooklyn, N. Y.

## FRANKFORD ARSENAL CARTRIDGE MACHINES.

- 853. Double acting press, cutting and cupping blanks for shell
- 854. Draw press, drawing out shell.
- 855. Heading machine, making flange of shell.
- 856. Filling and foiling primers.
- 857. Priming shells.
- 858. Making bullets, calibre .45.
- 859. Assembling bullets, calibre .30.
- 860. Loading cartridges.
- 861. Weighing cartridges.
- 862. Gauging cartridges.

## TESTING MACHINES IN OPERATION.

- 863. Selier's Testing Machine; Emery's patents; capacity 100 tons. Hydraulic power.
- 864. Riehle Bros.' Testing Machine, capacity 100 tons. Screw power.

SAMPLES OF TESTED MATERIAL FROM WATERTOWN  
ARSENAL.

- 865. Old steel rails bent transversely, showing effects due to continued service.
- 866. Hemp and manilla ropes and hawsers of large size tested in tension.

**Exhibit  
No.**

- 867. Set of initial tension rings from 12-inch cast iron mortars, body and diagram.
- 868. Set of steel and cast iron specimens strained alternately in tension and compression.
- 869. Leather, rubber and cotton belting tested in tension.
- 870. Specimens of chain cable broken in tension.
- 871. Yellow pine post tested in compression.
- 872. Spruce post tested in compression.
- 873. Cylindrical cast iron column 10 feet long by 6 inches diameter; core 3.95 inches diameter; tested in compression.
- 874. Square cast iron column 10 feet long by 6 inches by 6 inches; core 4.39 inches by 5 inches.
- 875. Latticed steel column, height 23 feet 10.57 inches; area, 12.95 square inches.
- 876. Phoenix wrought iron column, height 25 feet 2.65 inches. Diameter cylinder 11.8 inches; diameter over flanges 15.5 inches.
- 877. Brick piers, showing relative strength when laid in lime mortar and neat cement.
- 878. Brick piers, showing relative strength with brick laid flat and on edge.
- 879. Brick piers, showing effect of enlarging at bottom.
- 880. Riveted joints of  $\frac{1}{2}$  inch,  $\frac{3}{4}$  inch and  $\frac{1}{2}$  inch boiler plate.
- 881. Eye bar, showing reduction of cross section before rupture.
- 882. Set of specimens of cast iron, wrought iron and steel, with from .09 per cent to .9 per cent of carbon, showing effect of temperature on strength, with diagram.

**RELICS.**

- 883. Case containing two bullets which met in mid-air.
- 884. Board containing two bullets and one medallion. One bullet British and one American found on battle-field at Lundy's Lane, Canada.
- 885. Sword presented by General Washington to General Lafayette. Loaned by Captain Borup, United States Army.
- 886. Old percussion pistol for firing cannon. Loaned from Washington Headquarters, Newburgh, N. Y.
- 887. Section muzzle loading rifle barrel, containing five charges of powder and balls.
- 888. 12 Old Muskets; relics of the Rebellion.
- 889. Springfield rifle, model 1873 "Officers"; used at Little Big Horn.
- 890. Springfield rifle, model 1868; captured from Indians.
- 891. Springfield breach loading musket; fired 20,119 times.
- 892. Specimen wrought iron tube used for converting smooth bore cast iron guns into rifles.
- 893. Confederate torpedo, from Light House Inlet, Charleston, S. C.
- 894. Confederate torpedo; one of those stretched across the Louisville road, Savannah, Ga.

Exhibit  
No.

- 895. Confederate torpedo, Tretwell's, percussion.
- 896. Confederate torpedo, intended to sink the United States gunboats at blockade mouth of St. John River, Florida.
- 897. Gun carriage wheel struck by ball; Duncan's battery. Mexican war.
- 898. Flag wrapped around wheel; Duncan's battery.
- 899. French shell from battle-field of Solferino, lead studs.
- 900. Sigourney shell, American, flanged.
- 901. Sawyer fired shell, flanged.
- 902. Wheat's shell, copper, flanged.
- 903. Whitworth's blind shell.
- 904. Whitworth's long shell.
- 905. Confederate Armstrong shell captured at Fort Fisher.
- 906. Confederate shell, copper band on base, flanged.
- 907. Confederate shell, lead band on base, flanged.
- 908. Laidley's shell.
- 909. Henry shot, copper band.
- 910. Allen shot.
- 911. Reed's shell.
- 912. Dimick shell, fired.
- 913. Fifteen-inch steel spherical shot fired against wrought iron target at Sandy Hook, N. J.
- 914. Gorgas shell.
- 915. Lawson shot.
- 916. Jones' shot.
- 917. James' canister.
- 918. Hotchkiss shot, fired.
- 919. Hotchkiss canister.
- 920. Absterdam shell.
- 921. Parrott shell iron cup.
- 922. Parrott shell, fired, brass band, shell cut.
- 923. Hotchkiss shell, brass cup in section.
- 924. Schenkl shell.
- 925. Confederate wrought iron shot.
- 926. Confederate shell, brass and wood base, dowelled.
- 927. Confederate shot, corrugated brass band at base.
- 928. Confederate shell, two copper bands.
- 929. Confederate shell, copper cup with long wood sabot at base.
- 930. Confederate shot, lead band, wood base.
- 931. Abbot's blind shell, iron and lead, disc on base.
- 932. Confederate shot, lead and wood bands.
- 933. Confederate shell, lead.
- 934. First shot fired from Fort Sumter, found in the quarters of General Beauregard.
- 935. First shot fired at Fort Sumter, Blakely projectile.
- 936. Small cannon balls found at Fort Montgomery, revolutionary.

# WAR DEPARTMENT

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Exhibit  
No.

937. Hammered copper balls, Mexican.
938. Confederate shell cut on section, lead base.
939. Butler Shrapnel cut; one section.
940. Butler cored shot cut; one section.
941. Arrick cored shot.
942. Dana cored shot.
943. Brass ring for 8-inch Butler shot, fired.
944. Brass ring for 8-inch Arrick shot, fired.
945. Brass ring for 8-inch Dana shot, fired.
946. Krupp breech loading field shell, body covered with lead.
947. Breech loading shot, fired, copper wire bands.
948. Patterson breech loading shot, leather band.
949. Lindner's breech loading shot, lead bands with webbing between.
950. Confederate breech loading shot, rope band.
951. Mann's breech loading shot.
952. Stafford's steel faced shot, iron band around air cavities.
953. 12-inch steel shot.
954. Confederate case shot, ratchet sabot with iron washers; plug with leather washers, and tin tube soldered to plug for bursting.
955. Confederate shot 4-pounder, wire band, lead bound.
956. Ritner and Day lead shot, fired through 4½-inch wrought iron plate.
957. Confederate shot pierced all over with holes.
958. Confederate case shot cut.
959. Confederate percussion shell incased.
960. Stafford's shell, brass band or wheel in front, brass cup at base.
961. 12-pounder spherical glass shot.
962. 12-pounder elongated glass shot.
963. Ketchum hand grenade.
964. United States Dyer shell, lead sabot, 11-pounder.
965. 6-pounder United States Hotchkiss shell, compressed lead band.
966. Brooke's confederate shell, 7-inch.
967. 20-inch shell for Rodman gun, with sabot.
968. Chain shot with cavity for chain.
969. Chain shot in four parts held by ring.
970. Chain shot with 2 shot attached.
971. Chain shot and case.
972. McIntyre's repeating shell for rifle, fired.
973. Puffer's incendiary shell.
974. Flemming's incendiary shell.
975. Cochran's diagonal flanged shell, 2 lead bands around base.
976. Abbot's elongated shell for smooth bores.
977. Old pattern carcass.
978. 12-pounder quilted grape shot.
979. Bag of cut links.
980. 10-inch wooden shell for pyrotechny.

Exhibit  
No.

- 981. 10-inch paper shell for pyrotechny.
- 982. War rocket.
- 983. Parachute rocket.
- 984. 10-inch light ball.
- 985. Junk wad.
- 986. Hay wad.
- 987. Grommet wad.
- 988. Experimental diagonal flanged shot, iron and wood sabot.
- 989. 10-inch Confederate wrought iron projectile for smooth bores.
- 990. Confederate Maury projectile for smooth bore guns, chilled iron, air passage through center.
- 991. Confederate cast iron shot for smooth bore guns, weight 25 pounds.
- 992. Confederate winged shot from battle-field of Tennessee.
- 993. Experimental shot, diagonal flanges.
- 994. Smith's flanged shot, fired at West Point, New York.
- 995. Wooden flanged shot.
- 996. Hugerion shell, fired at West Point, New York.
- 997. Turbine shot, air passage through center.
- 998. Confederate shot, wire through center.
- 999. Stand of grape shot, 12 pounder.
- 1000. 6-pounder canister, model unknown.
- 1001. 6-pounder spherical case shot and sabot.
- 1002. 12-pounder gun shell and sabot.
- 1003. 8-inch English spherical case shot and sabot.
- 1004. English Boxer projectile and sabot.
- 1005. 24-pounder carcass.
- 1006. Oak tree cut down by bullets at Spottsylvania.    Loaned by the Smithsonian Institute.

**SIGNAL SECTION.**

(This exhibit is to be found in the Government Main Building.)

- 1007. Aerial transportation. Military balloon train.
- 1008. Application of the telephone to military signaling.
  - a Field telephone kit.
  - b Knapsack, telephone.
  - c Reel carts, telephone.
- 1009. Electric telegraph and signals. Miscellaneous instruments, tools, implements and materials pertaining to military telegraph lines.
- 1010. Military meteorological instruments.
  - Artillery anemometer.
- 1011. Optical instruments.
  - a Glasses, field.
  - b Glasses, signal.
  - c Glasses, marine.

WAR DEPARTMENT.

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Exhibit  
No.

*d* Glasses, eye.

Telescopes and holders.

1012. Signaling implements (visual).

*a* Flags.

*b* Heliographs. 7

*c* Lanterns.

*d* Torches.

1013. Oil paintings. Depicting life and exploration in the Arctic regions.

1014. Photographs. Enlargements of Arctic negatives.

1015. Tableau and scene illustrative of the method by which the flag of the United States has been carried to the "Farthest North" (Greely expedition), with grouping of relics and material used by Arctic explorers.

## NAVY DEPARTMENT.

### MODEL BATTLE SHIP "ILLINOIS."

1. This structure, the suggestion of Commodore R. W. Meade, United States Navy, contains the greater part of the Navy Department exhibit.

In outside appearance it is identical with the coast-line Battle Ships "Indiana," "Massachusetts" and "Oregon." The following are the principal data: Length, 348 feet; extreme breadth, 69¼ feet; draught, 24 feet; displacement, 10,231 tons; twin screws, 9,000 I. H. P.; sea speed, 15 knots; armament, four 13-inch B. L. R.; eight 8-inch B. L. R.; four 6-inch B. L. R.; twenty 6 pdr. R. F.; six 1-pdr. R. F.; two Gatlings, and Whitehead or Howell Automobile torpedoes. All guns except 13-inch and 8-inch are service guns. The heaviest armor is 18-inch, lightest 3-inch; all vital parts are protected.

The "Illinois" is built in Lake Michigan on a substantial foundation of piling and heavy timbers. The sides of hull are brick covered with cement. The sides of the superstructure, the 13-inch and the 8-inch redoubts, turrets, and guns are wood framing covered with cement; all other parts of hull and fittings are, as nearly as possible, like those of coast-line Battle Ships. Nothing is shown below the berth deck, which rests on timber framing over pile heads, making it impossible to exhibit any of the motive power.

### BUREAU OF CONSTRUCTION AND REPAIR.

Exhibit  
No.

#### 2. Hull and Fittings.

Hull proper, with berth deck, main deck, superstructure deck, pilot house, conning tower and military mast.

Turrets, redoubts and sponsons.

Anchor davits, compressors, chocks, cable and hawser bitts, nippers, capstans, winches and windlass.

Exhibit  
No.

Boat cranes, boat davits, skids and chocks.  
 Awning and deck stanchions.  
 All rails, ladders, hatches, hatch coamings, hatch canopies and gratings.  
 Skylights and air ports.  
 Ventilators and cowls.  
 Pumps, water tight bulkhead doors.  
 Magazine and shell rooms, with flood cocks and overflow pipes.  
 Steering gear with stands, wheels and indicators.  
 All internal fittings for quarters of officers and men, and reserved spaces, such as sick bay, offices, armory, torpedo-rooms, store-rooms, closets and coal bunkers; and generally all that pertains to the construction and fitting of hull for use as a vessel of war.

### 3. Boats and Gear.

One balsa, 18 feet.  
 One steam cutter, 30 feet.  
 One steam cutter, 33 feet (both steam cutters fitted to carry spar torpedoes).  
 One cutter, 24 feet.  
 One cutter, 26 feet.  
 Two cutters, 28 feet.  
 Two dinghys, 20 feet.  
 One whaleboat gig, 30 feet (commanding officers' boat).  
 Two whale boats, 29 feet.  
 One sailing launch, 32 feet.

With the following gear, most of which is common to all boats:  
 Awning stanchions; backboard; boat chest complete; boat hooks; boat breakers and stands; boat buckets; foot boards or gratings; oars; rollers; rowlock; rudder; side light boxes; signal mast; spars complete; ensign staff, flag staff; boat stretchers; stern benches; thwarts; tiller; thole-pins with trailing chains; copper well; windlass and bars; and yoke for steering.

Boat in frame (made by bending machine) showing skeleton of 26 feet service cutter.

### 4. Equipage and Stores.

Anchor and capstan bars.  
 Belaying pins.  
 Blacksmith's forge.  
 Blocks of all kind used in the navy.  
 Brushes, cleaning and painting.  
 Buckets.  
 Butts.  
 Carpenter's bench, chest, supplies, and tools.  
 Casks.  
 Chests.

Exhibit  
No.

Cleats.  
Diving suit complete, with accessories.  
Fenders.  
Fire apparatus, complete.  
Fishes, mast and yard.  
Halliard racks.  
Hawser reels.  
Hooks.  
Hose racks.  
Kegs.  
Life buoys.  
Mess breakers.  
Mess kids.  
Musket stands.  
Ship's bell.  
Tubs, galley, starting, and steep.

**5. Furniture—United States Navy pattern.**

For living spaces of officers and men—

Arm chairs.  
Bath tubs.  
Beds complete.  
Benches.  
Book cases.  
Bureaus.  
Camp chairs.  
Camp stools.  
Center tables.  
Dining chairs.  
Dining tables.  
Easy chairs, high and low.  
Mess tables.  
Office desks.  
Sideboards.  
Sofas.  
Stateroom chairs.  
Swivel chairs.  
Toilet racks.  
Towel racks.  
Wardrobes.  
Washstands, complete.  
Writing desks.

**6. Models.**

*Battleship, "Oregon."*

*Coast defenders, "Miantonomah," "Monadnock," "Monterey."*

*Armored cruisers, "Maine," "New York."*

Exhibit  
No.

*Protected cruisers*, "Baltimore," "Charleston," "Newark," "Olympia,"  
"Petrel," "Yorktown."

*Wooden cruisers*, "Colorado," "Kearsarge."

*Special vessel*, dynamite cruiser "Vesuvius."

*Section models*, section of United States Steamer "Raleigh," showing  
airport.

Bow section of "Chicago."

Midship section of "Chicago."

Section of fire room of a belted cruiser, showing boiler and coal bunker.

### BUREAU OF EQUIPMENT.

#### 7. Outfit and stores, boatswain's.

Anchors, boat, bower, kedge, stream

Buoys, anchor, kedge.

Chains, boat, bower, sheet.

Falls, boat, compressor, cat, decktackle, fish, stock and bill tackle.

Grain.

Grappels.

Hanks.

Harpoon.

Hawsers.

Hooks, cat, chain, fish, fishing, sister.

Jackasses.

Rope, samples of each kind used in the navy.

Screws, jack or riggers.

Stoppers, bitt, cathead, deck claw, deck wire, fighting.

Turning-in machine for wire rigging.

Wheel ropes.

#### 8. Outfit and stores, carpenter's.

Baskets, coal.

Boat stove with cooking utensils.

Fenders, boat, pudding.

Fire grenades.

Galley and fittings.

Irons, hand and leg.

Jackets, cork.

Scrapers.

Slings, canvas, breeches, channel.

Squillees.

Turnbuckles.

Wire awls.

#### 9. Outfits and stores, sailmaker's.

Awnings, ship, boat.

**Exhibit  
No.**

Bags, coal, clothes, hammock, mess, peajacket.  
Bolt rope.  
Canvas, samples of each kind used in the navy.  
Clews.  
Cots, cabin, hospital, wardroom.  
Fids, setting and splicing.  
Hammocks.  
Measuring line.  
Needles, seaming, 4, 6, 8, thread.  
Palms, roping, seaming.  
Sail hook.  
Sail knife.  
Sail pricker.  
Screens, ladder.  
Tarpaulins.  
Water bag.

**10. Electric material and apparatus, United States Navy standard.**

Ampere meter.  
Ardois signal outfit.  
Controlling board.  
Dynamos, 16 K. W.  
Engines, 16 K. W., with beds.  
Ground detectors.  
Junction boxes for branches, feeders, and projector mains.  
Lamps, 16 c. p., ceiling, portable, projector.  
Lanterns, battle, deck, magazine, signal (green, red, white).  
Lights, running (masthead, side, towing), stay, top.  
Molding for wire.  
Motors, ventilating.  
Projectors for search lights complete.  
Receptacles.  
Regulators, hand.  
Resistance, adjustable (for search light leads).  
Sockets.  
Switches.  
Switch boards.  
Switch and receptacles combined.  
Voltmeter.  
Wiring complete for incandescent and search lights.  
Wire guards for lamps.

**11. Flags and signals.**

Bunting, samples of each kind used in the service.  
Flags, distinctive, president, secretary, flag officers.  
Flags of all nations.  
Flags, national (ship and boat).

Exhibit  
No.

Signals, Ardois.  
Signals, army.  
Signals, general service.  
Signals, international.  
Signals, Very's night, with implements.

**12. Lamps and lanterns.**

Candles for running lights.  
Lamps, navigator's, swinging.  
Lamptrimmer's outfit.  
Lanterns, dark, hand.  
Lights, standing; stay; running (ship's and boat's).

**13. Library books and stationery.**

Blanks, Bureau of Equipment.  
Library books, full set for ships of first class.  
Returns, Bureau of Equipment.

**14. Nautical Almanac Office.**

Phototachometer, with which the velocity of light was measured during the years 1880-82.  
Publications of the Nautical Almanac Office, (a) American Ephemeris and Nautical Almanac, (b) Astronomical papers.

**15. Naval Observatory.** (In Observatory buildings, on shore.)

Astronomical clocks.  
Barometer, Aneroid, used by Captain Hall in his last Arctic expedition.  
Chronographs and scales.  
Chronometers, some of historic interest.  
Chronometer curves.  
Diploma, awarded Naval Observatory at Paris, in 1889.  
Drawings of nebulae, stars, and a total solar eclipse.  
Drawings of details of Gardner time system.  
Eclipse camera.  
Electrical testing instruments.  
Electric transmitting instruments and table.  
Equatorial instrument, 5-inch.  
Equatorial House.  
Gardner correcting clock and attachments.  
Gardner standard time clock.  
Gardner transmitting clock and attachments.  
Magnetic outfit.  
Magnetic traces.  
Meridian transit instrument.  
Photographs of new Naval Observatory buildings, instruments, and various astronomical and magnetic phenomena; also time ball station, S. F., and members of International Astrophotographic Congress.

UNITED STATES GOVERNMENT EXHIBIT.

Photomicrograph.

Prisms of Naval Observatory.

Sextant correcting apparatus and sextant mirror testing apparatus.

Standard time map.

Time ball and detaching apparatus.

Thermistats.

Time gongs.

Transit House.

Navigation instruments and apparatus.

Aluminum circles, 7½ inch.

Barometers, aneroid, electric registering, mercurial.

Binnies, compensating, with correcting appliances.

Chronometers.

Chronometer.

Compass, parts of, floats, needles, pivots, etc.

Compasses 7½ inches, 6½ inches (telltale), 4 inches (boat).

Deck clock.

Dividers.

Drawing instruments.

Slide rule and tripod.

Log, chronometer and mechanical.

Log, chronometer, spy.

Log, chronometer, 14 sec.

Log, chronometer, with quadrant.

Log, chronometer.

Log, chronometer.

Log, chronometer, adjusting, horizontal vibration, vertical force.

Log, chronometer, 25 lbs.; deep sea, 80 lbs.; hand, 14, 9, 7, 5 lbs.

Log, chronometer, deep sea, hand.

Log, chronometer, registering taffrail.

Log, chronometer.

Log, chronometer, octant.

Log, chronometer.

Log, chronometer, stand.

Log, chronometer, stand.

Log, chronometer, stand.

Log, chronometer, stand, log line.

Log, chronometer, stand.

Log, chronometer, stand.

Log, chronometer, stand.

Log, chronometer, stand.

Log, chronometer, stand.

Log, chronometer, stand.

Log, chronometer, stand.

Exhibit  
No.

**BUREAU OF MEDICINE AND SURGERY.****17. Outfit.**

All medicines allowed ships of first class.  
All surgical instruments and appliances used in the navy.  
Hospital stores.  
Dispensary and hospital furniture.  
Bedding for ship's hospital (Sick Bay).  
All blank forms, books and stationery furnished to battle ships.  
Dispensary.  
Operating room and table.  
Sick bay.

**BUREAU OF NAVIGATION.****18. Hydrographic Office.***Chart construction.*

A set of 16 volumes of antique charts, illustrating the progress of chart construction from 1640 to the present day.

A portfolio of enlarged photos, showing the general methods used, and the personnel equipment and outfit of a party engaged in a hydrographic survey.

A progressive exhibit of the various steps and operations of the process of chart construction, from record books and rough plotting sheets to the final printed sheet.

A set of sample charts published by the United States Hydrographic Office, illustrating the style, scope and quality of the work done.

Relief map of the Atlantic Ocean and adjacent continents.

Relief map of the Caribbean Sea and West India Islands.

*Charts.*

Hydrographic Office charts arranged in portfolios according to naval stations.

United States coast and geodetic survey charts.

United States army engineers' charts of lakes.

British admiralty charts.

*Sailing directions.*

A complete set of sailing directions (guide books of the ocean).

Light lists (lists of lighthouses of the world).

Buoy and beacon lists.

Tide tables.

Notices to mariners.

Nautical books, pamphlets and monographs, publications of the United States Hydrographic Office, relating to the navigation of the waters of the known world.

A set of sailing directions, of various nationalities, from 1787 to 1879.

Exhibit  
No.

*Marine meteorology.*

All publications, bulletins, monographs, charts and notices relating to the general subjects of climate, weather, storms, currents, prevailing winds, fogs, rains, ice, temperatures, etc.; with directions for utilizing the favorable and avoiding the dangerous meteorological conditions. On the charts, the positions of ice, wrecks and floating derelicts are noted; and the methods of using oil to smooth heavy seas graphically shown.

*Instruments.*

The following instruments besides those mentioned under Equipment and Naval Observatory:

Deep sea sounding machine, complete.

Deep sea thermometers.

Engineers' transit and solar attachment.

Bureau of Navigation theodolite.

Plane table.

Surveyor's chain.

One hundred foot metal tape measure.

Telemeter rod.

Paper protractors.

Portable magnetometer.

Dip circle.

Meter scale.

Personal equation instrument.

Maximum and minimum thermometer.

Thermograph.

Barograph.

Hydrograph.

Samples of oil distributors.

**19. Branch Hydrographic Office.**

The Branch Hydrographic Office forms an exhibit in itself, and is situated in the model battle ship "Illinois." It is a sample of the branch hydrographic offices which have been established at Boston, New York, Philadelphia, Baltimore, Norfolk, Savannah, New Orleans, San Francisco, Portland, Oregon; Port Townsend, Washington, and Chicago. The object of these offices is to collect, compile, publish and distribute to mariners and others interested in nautical matters, at no expense to them, information for the use of seafaring men of all nationalities. There are constantly at hand, kept corrected to date, complete sets of charts, sailing directions and all nautical publications required by seafaring people.

**20. United States Naval Academy.**

Copies of the latest annual register of the United States Naval Academy  
Volumes of annual registers for the years past.

Copies of the regulations of the United States Naval Academy.

Exhibit  
No.

Copies of Soley's "Historical sketch of the United States Naval Academy."

Programs of the monthly, semi-annual and annual examinations.

A complete set of text books and reference books used in every department of instruction.

Copies of the blank forms used at the academy, bound in a portfolio. In each department of instruction, copies of the questions set for the examinations, and, in answer to the questions, the complete papers of (1) Three candidates for admission. (2) Three cadets of each class, for each monthly examination and for the semi-annual and annual examinations.

A copy of the class standing of the cadets in each class, in every branch of instruction, for each month and term, and for the year.

From the department of mechanical drawing: A series of drawings made by the cadets.

From the department of astronomy, navigation and surveying—A set of charts made by cadets, under instruction, as the result of their own hydrographic surveying.

From the department of steam engineering—(1) A set of working drawings made by the cadets. (2) A set of pieces of metal, unfinished and rough, assigned to the cadets for work in the machine shop. (3) A ferry launch compound engine of 75 horse power, made by the naval cadets.

From the department of seamanship, naval construction and naval tactics—A selection of knots and splices, made by the naval cadets, in their work of the seaman.

A set of drawings, illustrating the physical development of cadets, in certain definite directions.

A plan of the grounds of the naval academy and surroundings.

Photographic views of scenes within the walls.

Accoutrements used by the naval cadets in fencing, boxing and gymnastics.

#### 21. Watch, quarter and station bills.

A set of watch, quarter and station bills showing disposition of crew for all exercises.

### BUREAU OF ORDNANCE.

#### 22. Great guns and mounts.

13-inch breech-loading rifles, Mark I. Dummy, with breech mechanism.

In forward and after turrets, main deck.

13-inch mounts. Dummy.

8-inch breech-loading rifles, Mark III, 85 cals. Dummy. In 4 superstructure turrets.

8-inch mounts. Dummy.

6-inch breech-loading rifles, Mark III, 30 cals. In main deck sponsons

6-inch central pivot carriages, Mark IV.

Exhibit  
No.

**23. Rapid fire and machine guns and mounts.**

- 5-inch rapid fire gun, Dashiell breech mechanism. Exhibit.
- 5-inch recoil mount, complete. Exhibit.
- 4-inch rapid fire gun, Dashiell breech mechanism. Exhibit.
- 4-inch recoil mount, complete. Exhibit.
- 6-pdr. rapid fire guns, Hotchkiss and Driggs-Schroeder.
- 6-pdr. hydraulic recoil top carriages, with shields.
- 6-pdr. cage stands, and 6-pdr. rail sockets.
- 1-pdr. rapid fire guns, Hotchkiss.
- 1-pdr. hydraulic recoil top carriages.
- 1-pdr. cage stands.
- 1-pdr. shelf mounts, in lower military top.
- 47 m. m. revolver cannon, Hotchkiss, and mount. Exhibit.
- 37 m. m. revolver cannon, Hotchkiss, and mount. Exhibit.
- Gatlings, cal. 45, on shelf mounts in upper military top.

**24. Small arms.**

- Rifles, Hotchkiss, cal. 45, 2d model, with spare parts.
- Rifles, cal. 22, for gallery practice.
- Revolvers, cal. 38, Colt's Navy, double action, with accessories and spare parts.

**25. Great gun ammunition.**

- 13-inch common cast iron shell.
- 8-inch armor-piercing shell.
- 8-inch common cast iron shell.
- 6-inch armor-piercing shell.
- 6-inch common cast iron shell.
- 13-inch cartridge and burster bags.
- 8-inch cartridge and burster bags.
- 6-inch cartridge and burster bags.
- 13-inch powder tanks.
- 8-inch powder tanks.
- 6-inch powder tanks.

**26. Rapid fire, machine gun, and small arm ammunition.**

- 5-inch rapid fire cartridges.
- 4-inch rapid fire cartridges.
- 6-pdr. rapid fire cartridges.
- 6-pdr. rapid fire drill cartridges.
- 1-pdr. rapid fire cartridges.
- 1-pdr. rapid fire drill cartridges.
- 47 m. m. revolver cannon cartridges.
- 37 m. m. revolver cannon cartridges.
- Gatling cartridges, cal. 45.
- Small arm cartridges, rifle, cal. 45; revolver, cal. 38.

Exhibit  
No.

27. Torpedo station and torpedoes.

*Spar torpedoes. Boat outfit.*

Reel box, containing 300 feet double conductor insulated cable and crank.

Supply box, containing 1 monkey wrench, 3 open end wrenches, 1 rectifier, 6 pieces emery cloth, 1 pair cutting plyers, 1 piece akonite tape, 2 earth plates, 12 pieces of rubber tubing, 1 sample splice, 1 spool hemp twine, 1 knife, 1 screw driver, 6 dummy detonators, 1 sample detonator splice, 1 dummy gun powder fuze, 24 spherical rubber packings, 36 paper fasteners, 2 safety pins for circuit closers, 1 spring for circuit closers, one  $\frac{3}{8}$  inch by 16 inch screw tap, 12 screws for boat spars, 4 reeving lines, and 2 reeving line weights.

Four boxes (tin), containing 8 detonators each, in wooden blocks.

Thirty-two gunpowder igniters and 18 fuzes.

Two glass jars, each containing 6 blocks dry gun cotton.

Twelve secondary boat spars and toggles.

One Farmers's D. E. machine, pattern "C," complete.

Boat's wire box, containing 4 spar leading wires, 2 machine connecting wires, 4 secondary spar caps and rivets, and 4 secondary spar butts and rivets,

Chemical box, containing two prs. forceps, 2 prs. scissors, 2 bottles distilled water, 2 bottles for litmus paper,  $\frac{1}{2}$  quire litmus paper in tin cylinder, 2 lbs. sod. carbonate, 1 piece boiled tape, and 2 glass rods.

Two sets boat fittings—in place in steam launches; heel rests, hinge plates, swivel crutches with bearings, cross beam and hoods, spar clamp, securing rods and elevating arms, guide rings, worm shafts, elevating wheels and clutches, complete.

One testing magneto.

Two boat spars.

Twelve service torpedoes, pattern "D," one empty.

Twelve service and 12 exercise torpedo spindles, and 28 torpedo pins.

One boat's firing battery; 2 spare cells; 1 battery tester (4 ohms), 1 hand firing key, 3 lbs. sal. ammoniac, and 12 spare fuze bridges.

Four circuit closers with screws, 4 spherical rubber packings, and 4 rubber diaphragms.

One contact spar leading wire, spare rubber diaphragms, washers, and spherical packings, and 2 spar clamps.

Spar torpedo instructions, 2 copies.

*Spar torpedo—gun powder:*

Similar to the one used by Lieut. W. B. Cushing, U. S. N., in the destruction of the Confederate Ironclad "Albemarle," at Plymouth, N. C., Oct. 18, 1864.

*Spar torpedo—gun powder:*

Similar to those used, with mechanical fuzes, during the war, attached to the bow of a monitor.

Exhibit  
No.

*Spar torpedo—gun powder:*

Naval torpedo station; manufactured for service use, prior to 1883.  
Exercise, 7 lbs. gun powder.

Boat, 75 lbs. gun powder.

Ship, 100 lbs. gun powder.

*Spar torpedo—gun cotton:*

Naval torpedo station; manufactured for service use.

Pattern "A," 1883; 31 ½ lbs. gun cotton.

Pattern "B," 1883; 31 ½ lbs. gun cotton.

Pattern "C," 1884; 31 ½ lbs. gun cotton.

Pattern "D," 1885; 34 lbs. gun cotton.

Contact, 1886; 34 lbs. gun cotton.

Exercise, pattern "C," 1884; 4 ½ lbs. gun cotton.

Exercise, pattern "D," 1885; 4 lbs. gun cotton.

*Automobile torpedo:*

Naval torpedo station, designed 1869-1872; motive power, compressed air.

*Automobile torpedo:*

"Howell," two forms; designed by Capt. J. A. Howell, U. S. N.

Fly wheel pattern, 1874.

Latest type, 1892; motive power, energy derived from a fly wheel in rotation.

*Automobile torpedo—"Hall:"*

Designed by Lieut. M. E. Hall, U. S. N.

Motive power, compressed air.

*Dirigible torpedo—"Lay Haight:"*

Design of 1881, controlled by means of an electric cable; motive power, liquified carbon dioxide.

*Mines—gun powder:*

Four various designs used in defense of rivers and harbors, during the war, by the Confederates.

*Mines—gun powder:*

Submarine mines, called "Devils," used by the Confederates during the war, for the destruction of boats engaged in raising buoyant mines.

*Mines—gun cotton:*

United States Naval Mine, spherical form, charge 180 lbs. gun cotton.

United States Naval Mine, latest form, charge 125 lbs. gun cotton.

*Mines—indicator for:*

Circuit indicator and cut out, designed by Comdr. G. A. Converse, U. S. N., for use with mine groups.

*Naval Torpedo Station—Explosives:*

Samples of picric acid, sodium picrate, potassium picrate, ammonium picrate, barium picrate, strontium picrate, calcium picrate, magnesium picrate, naphthalene, methyl alcohol mono-nitro-benzene, meta-di-nitro-benzene, phenol, and benzene.

Exhibit  
No.*Naval Torpedo Station—Fuzes, etc.:*

Specimens of electric fuzes, igniters, primers, and detonators (dummy), made at the Torpedo Station for service use. Apparatus for testing detonators before firing and after. Specimens showing the effect of explosion of service detonators.

*Naval Torpedo Station—Fuzes:*

One of the earliest forms of electric torpedo fuze, devised by Col. Samuel Colt. Recovered by dredging in the Potomac river in 1882. It had been planted by Col. Colt in 1848.

*Naval Torpedo Station—Gun Cotton:*

Samples of gun cotton. Specimens showing the effects of detonation of gun cotton.

*Naval Torpedo Station—Gun Cotton, manufacture of:*

Plan of gun cotton factory. Processes of manufacture illustrated by photographs. Samples of cotton waste used in the manufacture of gun cotton.

*Naval Torpedo Station—Gun Cotton, shaping of:*

Sample blocks of gun cotton shaped for torpedo war heads by means of saw and lathe.

*Photographs, illustrating processes.**Naval Torpedo Station—Instruction of Seamen:*

Course of instruction for seamen qualifying for the rate of seaman gunner, illustrated by photographs.

Collection of igniters, primers, fuzes and detonators, made by seamen under instruction.

Collection of articles recovered by seamen under instruction, during 1891-2, from an English transport that was sunk in 10 fathoms of water, in Newport harbor, in 1778, to prevent her falling into the hands of the French fleet under Count d'Estaing.

*Naval Torpedo Station—Torpedo Trials:*

Collection of photographs illustrating the trials of various torpedoes.

*Photographs.*

The photographs referred to above are as follows:

- 1—Howell torpedo bow discharge, from "Stiletto."
- 2—Howell torpedo broad on bow discharge, from "Stiletto."
- 3—Howell torpedo abeam discharge, from "Stiletto."
- 4—Destruction of a boom by service torpedoes.
- 5—Destruction of a spar by exercise torpedoes.
- 6—Explosion of a service torpedo.
- 7—Patrick torpedo trial, 20 knots.
- 8—Anvil test for gun cotton before firing.
- 9—Anvil test for gun cotton after firing.
- 10—Explosion one block gun cotton.
- 11—Gun cotton factory.

Exhibit  
No.

- 12—Dipping troughs, in gun cotton factory.
- 13—Digestion pots, in gun cotton factory.
- 14—Molding press, in gun cotton factory.
- 15—Final press, in gun cotton factory.
- 16—Plates ruptured by explosion of detonators.
- 17—Boat spar torpedo, rigged out.
- 18—Boat spar torpedo, dropped.
- 19—Lay torpedo, No. 1.
- 20—Lay torpedo, No. 2.
- 21—Instruction of seamen, fuze room.
- 22—Instruction of seamen, dynamo room.
- 23—Shaping gun cotton for "Vesuvius" projectiles.
- 24—Assembling the "Vesuvius" projectiles.
- 25—"Vesuvius" projectile and its gun cotton charge.

**26. Accessories and Implements.**

- Accessory boxes for 6-pdr., 1-pdr., and revolver cannon.
- Accoutrements for landing party.
- Ammunition boxes for 6-pdr., 1-pdr., and revolver cannon.
- Ammunition hoists for 13-in. and 8-in. guns.
- Armorer's tools and chest.
- Bayonets.
- Boarders' rattle.
- Cartridge boxes, 4-in. and 5-in. R. F.
- Cutlasses.
- Drill aprons.
- Fire buckets, with hooks and lanyards.
- Gong.
- Gun implements, 6-in. complete: Boring bit, priming wire, vent drill and wrenches.
- Gun swabs.
- Hydraulic jacks.
- Implements for taking impressions of bore and chamber of great guns.
- Loading tray.
- Locks, 6-in. B. L. R., with spare parts.
- Magazine dresses, shoes, and tools.
- Mushrooms, spare, for taking pressures.
- Ordnance mat, for stop leaks.
- Powder, samples of each kind used in the navy.
- Powder tanks, 200 lbs., 50 lbs.
- Pressure gauges, with discs.
- Primers, electric, friction, and percussion.
- Purchase, differential.
- Rammers, sectional.
- Shell extractor.
- Shell tongs.

Exhibit  
No.

Sights, 6-in. B. L. R.

Single sticks.

Spare article boxes, 6-pdr. and 1-pdr.

Sponges, bore and chamber.

Sponge bucket and marine sponge.

Whips for fixed ammunition.

29. **Armor plates, gun models, photos.**

Diagonal armor plate, for battle ship "Indiana," 14 inches thick, 10 feet long, 6 feet 3 inches wide; weight, about 18 tons. Has been fired at 3 times.

Curved armor plate, for barrette of coast defense vessel "Monterey; 11½ inches thick, 14 feet 8½ inches long, 4 feet 6½ inches wide; weight, about 17½ tons. Has been fired at three times.

Models, steel, miniature, of all calibres, from 13-inch to 4-inch, inclusive.

Model of section of monitor turret, with 15-inch and 11-inch guns in position.

Model of section of monitor turret, with 15-inch gun in position, showing "Port Stopper."

Model of 10-inch shell gun, on wooden pivot-carriage, with gun gear complete.

Model of 9-inch shell gun, on iron Marsilly carriage, with gun gear.

Model of 9-inch shell gun, on wooden Marsilly carriage, with gun gear.

Model of 8-inch shell gun, on iron Marsilly carriage, with gun gear.

Model of 32-pdr. shell gun, on iron Marsilly carriage, with gun gear.

Model of 8-inch shot gun, on wooden Marsilly carriage.

Model of 13-inch mortar, on iron carriage, with all articles for service of gun.

Model of 100-pdr. Parrott rifle, on iron Marsilly carriage, with gun gear.

Model of 100-pdr. Parrott rifle, on wooden Marsilly carriage, with gear.

Model of 60-pdr. B. L. R., on iron directing bar carriage, with gear.

Seven models of bronze howitzers M. L. S. B., on boat or field carriages.

Model of 20-pdr. M. L. R., on deck carriage.

About 75 photos of ordnance shops, navy yard, Washington, D. C.

30. **American Projectile company.** (Electric welded projectiles).

Twelve black enameled, 4-inch, wrought steel common shell.

One 4-inch steel common shell.

One 4-inch steel common shell, with section removed to show interior.

One 4-inch steel common shell for carrying high explosives.

One 4-inch steel case shrapnel.

One 3.2-inch shrapnel.

One 3.2-inch shrapnel, with section removed to show interior.

One piece rough 4-inch steel tubing from which 4-inch shell are made.

One 6-inch steel common shell, with section removed to show interior.

Exhibit  
No.

One piece 6-inch steel tubing from which 6-inch shell are made.  
 One section of 6-inch steel tubing from which steel shrapnel are made.  
 Two 57 m. m. armor-piercing shell (6-pdr.).  
 One 57 m. m. armor-piercing shell, with section removed to show interior.  
 One 57 m. m. armor-piercing shell, in rough state before being turned.  
 Four 57 m. m. armor-piercing shell that have been fired through a 4-inch armor plate.  
 One 4-inch armor plate, showing results of firings.

**BUREAU OF STEAM ENGINEERING.****31. Boilers and accessories.**

Boiler, horizontal, straightaway. Launch.  
 Boiler, tubulous, "Towne," type A, 6.7-107. Launch.  
 Boiler, tubulous, "Towne," type 3.2-65.4. Launch.  
 Boiler, vertical, tubulous, "Ward," type B, improved. Launch.  
 Boiler, vertical, tubulous, "Ward," type D. Launch.  
 Boiler, vertical, tubulous. Cutter.  
 Distiller, triple coil.  
 Fire room outfit, complete.  
 Photos, boilers and uptakes of armored cruiser "Maine."  
 Salmometer cup, composition; "Fithian's" pattern.  
 Salinometer cup, composition; "Long's" pattern.  
 Steam trap, improved.  
 Test outfit, boilers, complete.  
 Whistle, steam, of United States steamer "Vanderbilt."  
 Whistle, steam, bell pattern.

**32. Engines.**

Engine, oscillating, torpedo boat, "Confederate."  
 Engine, vertical compound, type B, modified. Launch, 140.  
 Engine, vertical compound, type G, No. 1. Launch, 139.  
 Engine, vertical compound, type D. Cutter and whale boat.  
 Engine, compound, type F, No. 12, modified. Cutter.  
 Engine, vertical compound. Launch.  
 Engine, vertical, simple, 6x6. Launch.  
 Drip pan and oil feeders.  
 Indicator, Baird's pneumatic.  
 Steam and vacuum gauges.  
 Test outfit, engine.  
 Blue prints, machinery "Indiana," Massachusetts, "Oregon."  
 Drawings, engines United States steamer "Miantonomah."  
 Drawings, engines "Powhatan" and "Torpedo Boat No. 2."  
 Drawings, machinery "Indiana," "Massachusetts," "Oregon," "New York," "Columbia," "Olympia," "Katahdin," "Maine," "Iwana," "Narkeeta," "Wahneta."

Exhibit  
No,

Launch propellers and shafts.  
Log book, engineer's.  
Patterns, launch engine, type E. Bureau.  
Patterns, screw propeller.  
Photographs, engines armored cruiser "Maine."  
Photographs, engines "Concord" and "Bennington."  
Photograph, engines "Miantonomah."  
Specifications, machinery "Bancroft," "Machias," "Castine," "Torpedo Boat No. 2."  
Specifications, machinery "Maine," "New York," "Chicago," San Francisco, "Columbia," "Minneapolis," "Brooklyn," "Indiana," "Massachusetts," "Oregon," "Iowa," and "Katahdin."

### 33. Pumps.

Pump, bilge, "Knowles."  
Pump, boiler feed, "Worthington."  
Pump, boiler feed, "Blake" vertical duplex.  
Pump, general use, "Worthington" vertical duplex.  
Surface condenser, "Wheeler" auxiliary, with air and circulating pumps.

### 34. Lathes and tools.

Engine lathe, with face plate, chuck and tools.  
Shaping machine, with tools complete.  
Portable forge, navy pattern.

### 35. Steam engineering, miscellaneous.

Clinometer, Webster's liquid marine.  
Ice machine, Allen's dense air.  
Medallion, wood, of bureau emblem.  
Panel, wood, of bureau emblem.

## BUREAU OF SUPPLIES AND ACCOUNTS.

### 36. Specimens of the navy ration.

#### *Sunday.*

One lb. cornmeal.  
One-half lb. or  $\frac{1}{2}$  pint peas.  
Two oz. butter.  
Twelve oz. preserved meat, roast beef or corned beef.  
Two oz. coffee.  
Four oz. sugar.  
Six oz. canned vegetables.

#### *Monday.*

Fourteen oz. biscuit.  
Eight oz. wheat flour.  
Two oz. dried fruit, raisins or peaches.  
Twelve oz. preserved meat, ham or bacon.

Exhibit  
No.

One-half oz. tea.

Four oz. sugar.

One-half pint vinegar.

*Tuesday.*

Fourteen oz. biscuit.

One lb. salt pork.

One-half pint beans.

Two oz. coffee.

Four oz. sugar.

One-fourth pint or 4 oz. pickles.

*Wednesday.*

One lb. hominy.

Eight oz. rice.

Two oz. butter.

Twelve oz. preserved meat, mutton or bacon

Two oz. cocoa.

Four oz. sugar.

Six oz. canned vegetables.

*Thursday.*

Fourteen oz. biscuit.

Eight oz. wheat flour.

One lb. salt beef.

Two oz. dried fruit, prunes or apples.

Two oz. coffee.

Four oz. sugar.

One-half pint molasses.

*Friday.*

One lb. oatmeal.

Two oz. butter.

Six oz. tomatoes.

Twelve oz. preserved meat, fish or sausage

One-half oz. tea.

Four oz. sugar.

*Saturday.*

Fourteen oz. biscuit.

One lb. salt pork.

One-half pint beans.

Two oz. coffee.

Four oz. sugar.

One-quarter pint or 4 oz. pickles.

37. Provisions.

Apples, evaporated.

Bacon.

Beans, white.

Beef, salt.

## NAVY DEPARTMENT

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Exhibit  
No.

Beef, corned, canned.  
Beef, roast.  
Brown, canned.  
Bread, hard.  
Butter.  
Cocoa.  
Codfish, canned.  
Coffee.  
Corn.  
Currants, dried.  
Flour, wheat.  
Flour, rye.  
Ham.  
Hominy.  
Meal, corn.  
Meal, oat.  
Molasses.  
Mutton, roast, canned.  
Peaches, evaporated.  
Peas, split, dried.  
Pickles.  
Pork, salt.  
Prunes.  
Raisins.  
Rice.  
Sausage meat.  
Sugar.  
Tea.  
Tomatoes, canned.  
Vegetables, assorted, canned.  
Vinegar.

### 38. Clothing.

Badges, petty officers', blue and white.  
Bandsmen's cap, coat, trousers.  
Blankets.  
Boots.  
Caps, cloth, petty officers', watch.  
Cloth, blue cap, trousers.  
Drawers, flannel, heavy and light.  
Duck, cotton.  
Flannel; blue, 11 oz.; fine, 7 oz.  
Hats, white duck.  
Jumpers, white.  
Leggings, tan duck.  
Mattresses.

**Exhibit  
No.**

Neckerchiefs, silk.  
Oil coat.  
Oil overalls.  
Overcoats.  
Overshirts, flannel, petty officers'.  
Petty officers' coat, vest and trousers.  
Shoes, calf.  
Socks, woolen.  
Sou'westers.  
Trousers, white.  
Trousers, cloth.  
Undershirts, heavy.  
Undershirts, light.  
Working suits, cotton.

**39. Small Stores.**

Blacking, boxes.  
Bowls, agate.  
Brushes, blacking.  
Brushes, scrub.  
Brooms, wisp.  
Buttons, "Eagle;" medium small.  
Buttons, ivory.  
Buttons, rubber; large, medium, small.  
Combs, coarse.  
Cotton, spool.  
Cups, agate.  
Kettles, tin, mess.  
Knives, jack.  
Pans, tin, mess.  
Plates, agate.  
Ribbons, cap, woven.  
Silk, sewings, pois.  
Soap, salt water.  
Tape, linen, white.  
Tape, worsted, red.  
Thread, black, spools.  
Tobacco, lbs.

**40. Contingent; Bureau, Paymasters**

Candles, box.  
Forms and books, bureau.  
Forms and books, general storekeepers'.  
Forms and books, paymasters', navy yards.  
Forms and books, paymasters', ships.  
Forms and books, purchasing pay officers.

Exhibit  
No.

Letter scales.  
Letter press.  
Safe, iron.  
Typewriting machine.

## BUREAU OF YARDS AND DOCKS.

### 41. Models, plans, and publications.

Model, granite dry dock, Boston, Mass.  
Photos, jib dock cranes, New York and Norfolk.  
Plan, navy yard, Portsmouth, N. H. January 1, 1893.  
Plan, navy yard, Boston, Mass. January 1, 1893.  
Plan, navy yard, Brooklyn, New York. January 1, 1893.  
Plan, navy yard, League Island, Pa. January 1, 1893.  
Plan, navy yard, Norfolk, Virginia. January 1, 1893.  
Plan, navy yard, Washington, D. C. January 1, 1893.  
Plan, navy yard, Pensacola, Fla. January 1, 1893.  
Plan, navy yard, Mare Island, Cal. January 1, 1893.  
Plan, naval station, Port Royal, S. C. January 1, 1893.  
Plan, naval station, Key West, Fla. January 1, 1893.  
Plan, granite dry dock, Boston, Mass.  
Plan, granite dry dock, Norfolk, Va.  
Plan, granite dry dock, Mare Island, Cal.  
Plan, timber dry dock, Brooklyn, N. Y., with specifications.  
Plan, timber dry dock, Port Royal, S. C. with specifications.  
Plan, timber dry dock, Puget Sound, Washington, with specifications.  
Plan, dry dock pier, League Island, Pa.  
Plan, iron and steel pier, Pago Pago, Samoa.  
Plan, quay wall, Brooklyn, N. Y.  
Plan, quay wall, League Island, Pa., with specifications.  
Plan, quay wall, Pensacola, Fla.  
Plan, quay wall, Mare Island, Cal.  
Plan, machine shop and storehouse, League Island, Pa.  
Plan, workshop, League Island, Pa.  
Plan, mould loft building, League Island, Pa.  
Plan, wood-working shop and saw mill, Norfolk, Va.  
Plans, locomotive jib dock cranes, Brooklyn N. Y. and Norfolk, Va.  
Plans, roof truss of erecting shop, Norfolk, Va.  
Plans, 100-ton shears.  
Plans, 100-ton shear legs.  
Publication, history, United States navy yard, Portsmouth, N. H.  
"Preble."  
Publication, history, United States navy yard, Gosport, Va. "Lull."  
Publication, report of board on permanent improvement, Lauege  
Island, Pa.

## UNITED STATES MARINE CORPS.

Exhibit  
No.**42. Marine encampment.**

A model camp of United States marines; situated north of the government plaza, in the space between the Weather Bureau, Life Saving Station, Lighthouse and United States Observatory buildings. There are tents (United States army pattern) for 3 officers, 4 sergeants, 4 corporals, 2 music and 50 privates of the United States marine corps. This camp is, in all respects, a model, as to arrangement, outfit and police, of a regular service camp for marines doing duty on shore.

**NOTE:**—For more detailed information concerning naval exhibit, see naval separate catalogue.

## POSTOFFICE DEPARTMENT.

### UNITED STATES.

Exhibit  
No.

1. **Model (working) postoffice** with all the appliances of a postoffice of the first class.
2. **Postal car** in which the mail is separated and distributed by postal clerks, exposed to public view.
3. **Model of postal car** completely furnished on scale of 10 feet.
4. **Model of United States mail steamship Paris**, 12 feet in length.
5. **Model of ocean mail steamship Southerner**, 7 feet in length, representing the first mail steamship built in the United States.
6. **Model of mail steamboat**, 8 feet in length, in use on the Oklawaka river, Florida.
7. **Model of mail steamboat**, 4 feet in length, in use on the Mississippi river.
8. **Full size Concord mail coach** of the latest pattern.
9. **Old Concord mailcoach** in early and present use in carrying mails in Montana.
10. **Mail wagon** used in cities in delivering mail to railway depots.
11. **Mail wagon** used in the collection of mail in cities.
12. **Uniformed model of post rider** mounted on horseback.
13. **Snow sledge drawn by dogs**, carrying United States mail, with uniformed model of Indian runner on snow shoes.
14. **Uniformed model of special delivery messenger**, mounted on bicycle in motion.
15. **Uniformed model of letter carrier.**
16. **Uniformed model of railway mail clerk.**
17. **Case containing collection of U. S. mail bags** in present and former use.
18. **Case containing collection of mail locks** in present and former use.
19. **Two cases containing collection of mail locks** in former use.
20. **Case containing postmarking and cancelling stamps.**
21. **Twenty-six post route maps** showing all the post routes in the United States and Territories.
22. **Map of the world**, showing lines of ocean mail service between the United States and foreign countries.
23. **Street letter boxes** for collection and deposit of mail matter.
24. **Five cancelling machines** used in large postoffices for postmarking mail matter, and cancelling stamps on same, in motion by means of electricity.

Exhibit  
No.

25. **Four gilded models** illustrating the growth of the postal service in the United States.
26. **Statistical charts** showing the growth and development of the various branches of the postal service.
27. **Case containing samples of supplies** (twine and paper) in use in the postal service.
28. **Six cases containing over one thousand articles of unique and curious character** from the museum of the Dead Letter Office in Washington, found in the mails and undeliverable to the addresses or senders.
29. **Framed collection of all the adhesive postage stamps** issued by the post-office department since 1847 when stamps were first introduced into the United States.
30. **Five frames containing collection of stamped envelopes** issued by the department since 1853, date of first issue.
31. **Framed collection of specimens of all the postal cards** of the United States issued since 1874, the date of the first issue.
32. **Three frames containing a collection of photographs of veterans** of the postal service. Service ranging from 35 to 65 years.
33. **Fifty-nine portraits of postmasters general and assistant postmasters general** of present and former times.
34. **Photographs of over four hundred postoffices** in the United States.
35. **Large and varied collection of framed photographs, paintings and other pictures** of beautiful and natural scenery along the railway mail lines of the United States.
36. **Exhibit of the American Philatelic Association**, in eleven large cases, of their extensive collection of postage stamps of all nations.
37. **Framed collection of old manuscripts, postmasters' commissions and accounts current.**
38. **Frame containing gold and bronze medals** awarded to the Department by former expositions.
39. **Portrait of Washington.**
40. **Frame containing the first sheet of Columbian postage stamps printed.**
41. **Collection of old postmarking stamps, scales, etc., from various cities** in the United States.
42. **Photograph of Mr. James Lawrenson**, who served in the postal service for seventy-one years.
43. **Case containing Benjamin Franklin's ledger.**
44. **Stand with Cutler mail box and chute.**
45. **Painting of the Fall River steamboat Puritan.**
46. **Picture of mail steamboat Milwaukee.**
47. **Map rack containing map of post routes** of the United States and Territories.
48. **Picture of the mail steamship Pacific.**
49. **Seven frames of misdirections, etc., on letters sent to the Dead Letter Office.**

# POSTOFFICE DEPARTMENT.

100

Exhibit

No.

50. Frame of blanks, money orders, and postal notes.
51. Picture representing the mail carrier of one hundred years ago, and the flight of the fast mail on the Michigan Southern.
52. List of first money order offices in the United States.
53. Drawing of old postoffice department burnt in 1836.
54. Picture of ~~first~~ Chicago postoffice.
55. Oil painting of an attack by Indians on an old mail stage.
56. Two frames of ~~mailing~~ stamps.
57. Mail crane for postal car.

## GREAT BRITAIN.

58. Postmarking stamps.
59. Postal uniforms.
60. Photographs of mail wagons.
61. Three frames of postage stamps, postal cards and stamped envelopes.

## CANADA

62. Mail boxes.
63. Mail bags.
64. Postmarking stamps, pads, etc.
65. Postal uniform buttons.
66. Postal uniforms.
67. One frame of postage stamps.

## TRINIDAD.

68. Three frames of postage stamps, stamped envelopes and postal cards.

## NEW ZEALAND.

69. Postmarking stamps.
70. Mail bags.
71. Post office letter box fronts.
72. Map of telegraph circuits.
73. Frame of postage stamps.

## QUEENSLAND.

74. Stamping table and stool.
75. Mail baskets.
76. Postal blanks, money orders, parcel post blanks, etc.
77. Lock box front.
78. Postal papers.
79. Postmarking stamps, pads, etc.
80. Letter carriers' uniforms.
81. Photographs of postoffices, postal cars, etc.
82. Case of pigeon holes.
83. Mail bags.
84. Telegraph instruments.
85. Pieces of sub-marine cable.
86. Mail carrying arms.
87. Frame of postage stamps.

**INDIA.**

Exhibit  
No.

- 88. Mail bags.
- 89. Runner's staff with bells.
- 90. Model of a tonge.
- 91. Clay models of postman, mail runner, stamper, camel post, etc.
- 92. Pictures of postoffices.
- 93. Six frames of postage stamps, postal cards and stamped envelopes.

**AUSTRALIA.**

- 94. Frame of stamps, postoffice buildings, etc.
- 95. Frame of stamped envelopes and postal cards.
- 96. Thirteen frames of Tasmanian postage stamps.

**MALTA.**

- 97. Photographs of buildings and postal employes.
- 98. Impressions of date stamps.
- 99. Frame of tax stamps.
- 100. Two frames of postage stamps, postal cards and stamped envelopes.

**TIMOR.**

- 101. Frame of postal cards and stamped envelopes.
- 102. Frame of postage stamps.
- 103. Frame of stamp impressions.
- 104. Frame of photographs of Macan postoffice.

**BAHAMAS.**

- 105. Money order and registry stamps.
- 106. Parcel post and savings bank blanks.
- 107. Two frames of postage stamps and stamped envelopes.
- 108. Three frames: Map, stamps and old postmarks.

**VICTORIA**

- 109. Mail bags.
- 110. Postal blanks.
- 111. Framed stamps and photographs.
- 112. Framed stamps

**WINDWARD ISLANDS.**

- 113. Six frames of postage stamps, stamped envelopes and postal cards.

**LEEWARD ISLANDS.**

- 114. Three frames of postage stamps.

**BERMUDAS.**

- 115. Frame of postage stamps.

# POSTOFFICE DEPARTMENT.

111

## CAPE OF GOOD HOPE.

Exhibit  
No.

Exhibit  
No.

116. Two frames of postage stamps, stamps, and postal cards. 132

## NEWFOUNDLAND.

117. Frame of postage stamps. 133

## BRITISH GUIANA.

118. Frame of postage stamps. 134

## NATAL.

119. Frame of postage stamps. 135

## OIL RIVER PROTECTORATE.

120. Frame of postage stamps. 136

## WESTERN AUSTRALIA.

121. Frame of postage stamps. 137

## GOLD COAST.

122. Frame of postage stamps. 138

## SIERRA LEONE.

123. Frame of postage stamps. 139

## LAGOS.

124. Frame of postage stamps. 140

## BECHUANSLAND.

125. Frame of postage stamps. 141

## GIBRALTAR.

126. Frame of postage stamps. 142

## CYPRUS ISLANDS.

127. Frame of postage stamps. 143

## FIJI ISLANDS.

128. Frame of postage stamps. 144

## CEYLON.

129. Two frames of postage stamps. 145

## NORTH BORNEO.

130. Frame of postage stamps. 146

## BRITISH HONDURAS.

131. Frame of postage stamps. 147

## STRAITS SETTLEMENT.

Exhibit  
No.

132. Frame of postage stamps.

## TURKS ISLANDS.

133. Frame of postage stamps.

## EGYPT.

134. Postmarking stamp.  
 135. Tickets for sealing official letters.  
 136. Photographs of postoffices and mail wagons.  
 137. Two frames of stamps, etc.

## JAPAN.

138. Portfolio of stamps.  
 139. Maps.  
 140. Scales.  
 141. Mail bag.  
 142. Photographs of postal officials and mail service rooms.  
 143. Postal uniforms.  
 144. Artists, materials.  
 145. India ink.  
 146. Box of postmarking stamps.  
 147. Frame of postage stamps.

## DENMARK.

148. Case of postmarking stamps, pads, etc.  
 149. Mail bags.  
 150. Letter boxes.  
 151. Photographs of mail wagons and uniforms.  
 152. Three frames of stamps, postal cards, etc.

## ITALY.

153. Five frames of postage stamps, stamped envelopes and postal cards.

## SWEDEN.

154. Model of letter carrier with complete equipment.  
 155. Rest for postillion with complete equipment.  
 156. Rest for country letter carrier with complete equipment.  
 157. Postal uniforms.  
 158. Sign boards for postoffices.  
 159. Mail boxes.  
 160. Mail bags.  
 161. Postmarking stamps, pads and rubber marking plate.  
 162. Postage stamp box.  
 163. Case of scales and weights.  
 164. Two frames of stamps, etc.

**SWITZERLAND.**

Exhibit  
No.

- 165. Mail bags. 100
- 166. Mail boxes. 100
- 167. Album of uniforms. 100
- 168. Postmarking stamps. 100
- 169. Photographs of mail wagons, postoffices, etc. 100
- 170. Photographs of postal uniforms. 100
- 171. Three frames of stamps, etc. 100

**AUSTRIA.**

- 172. Photographs of postoffices, etc. 100
- 173. Postoffice lamps. 100
- 174. Eleven frames of postage stamps, postal cards and stamped envelopes. 100

**SPAIN.**

- 175. Three frames of stamps, etc. 100

**FRANCE.**

- 176. Photographs of mail wagons. 100
- 177. Six frames of postage stamps, postal cards and stamped envelopes. 100

**GERMANY.**

- 178. Postmarking stamps, pads, ink, etc. 100
- 179. Letter scales. 100
- 180. Mail bags. 100
- 181. Letter boxes. 100
- 182. Carrier satchels. 100
- 183. Models of mail wagons. 100
- 184. Fancy pictures. 100
- 185. Picture of Emperor William. 100
- 186. Two frames of stamps, etc. 100

**BELGIUM.**

- 187. Mail boxes. 100
- 188. Spirit lamp. 100
- 189. Iron hasp and ladel. 100
- 190. Mail bags. 100
- 191. Pronged stick for rural letter carrier. 100
- 192. Postmarking stamps and seals. 100
- 193. Letter carriers lantern. 100
- 194. Photographs of mail boxes and postal cars. 100
- 195. Frame of postage stamps. 100

**PORTUGAL.**

- 196. Eight frames postage stamps, stamped envelopes and postal cards. 100

## STRAITS SETTLEMENT.

Exhibit  
No.

132. Frame of postage stamps.

## TURKS ISLANDS.

133. Frame of postage stamps.

## EGYPT.

134. Postmarking stamp.  
 135. Tickets for sealing official letters.  
 136. Photographs of postoffices and mail wagons.  
 137. Two frames of stamps, etc.

## JAPAN.

138. Portfolio of stamps.  
 139. Maps.  
 140. Scales.  
 141. Mail bag.  
 142. Photographs of postal offices and mail service rooms.  
 143. Postal uniforms.  
 144. Artists, materials.  
 145. India ink.  
 146. Box of postmarking stamps.  
 147. Frame of postage stamps.

## DENMARK.

148. Case of postmarking stamps, pads, etc.  
 149. Mail bags.  
 150. Letter boxes.  
 151. Photographs of mail wagons and uniforms.  
 152. Three frames of stamps, postal cards, etc.

## ITALY.

153. Five frames of postage stamps, stamped envelopes and postal cards.

## SWEDEN.

154. Model of letter carrier with complete equipment.  
 155. Rest for postillion with complete equipment.  
 156. Rest for country letter carrier with complete equipment.  
 157. Postal uniforms.  
 158. Sign boards for postoffices.  
 159. Mail boxes.  
 160. Mail bags.  
 161. Postmarking stamps, pads and rubber marking plate.  
 162. Postage stamp box.  
 163. Case of scales and weights.  
 164. Two frames of stamps, etc.

**SWITZERLAND.**

Exhibit  
No.

- 165. Mail bags.
- 166. Mail boxes.
- 167. Album of uniforms.
- 168. Postmarking stamps.
- 169. Photographs of mail wagons, postoffices, etc.
- 170. Photographs of postal uniforms.
- 171. Three frames of stamps, etc.

**AUSTRIA.**

- 172. Photographs of postoffices, etc.
- 173. Portfolios of stamps.
- 174. Eleven frames of postage stamps, postal cards and stamped envelopes.

**SPAIN.**

- 175. Three frames of stamps, etc.

**FRANCE.**

- 176. Photographs of mail wagons.
- 177. Six frames of postage stamps, postal cards and stamped envelopes.

**GERMANY.**

- 178. Postmarking stamps, pads, ink, etc.
- 179. Letter scales.
- 180. Mail bags.
- 181. Letter boxes.
- 182. Carrier satchels.
- 183. Models of mail wagons.
- 184. Fancy pictures.
- 185. Picture of Emperor William.
- 186. Two frames of stamps, etc.

**BELGIUM.**

- 187. Mail boxes.
- 188. Spirit lamp.
- 189. Iron hasp and ladel.
- 190. Mail bags.
- 191. Pronged stick for rural letter carrier.
- 192. Postmarking stamps and seals.
- 193. Letter carriers lantern.
- 194. Photographs of mail boxes and postal cars.
- 195. Frame of postage stamps.

**PORTUGAL.**

- 196. Eight frames postage stamps, stamped envelopes and postal cards.

**SAN SALVADOR.**Exhibit  
No.

- 197. Letter box.
- 198. Mail sack.
- 199. Five frames postage stamps, stamped envelopes and postal cards.
- 200. Frame of postage stamps.
- 201. Photographs of postoffices and postal officials.
- 202. Frame of postmarks.
- 203. Frame of postal cards and stamped envelopes.
- 204. Map.

**BRAZIL.**

- 205. Two frames postage stamps, stamped envelopes and postal cards.

**HAWAII.**

- 206. Frame of postage stamps, stamped envelopes and postal cards.

**MEXICO:**

- 207. Mail bags.
- 208. Scales and weights.
- 209. Postmarking stamps.
- 210. Photographs of postal officials.
- 211. Four frames of postage stamps.
- 212. Lock boxes.
- 213. Carriers' lanterns.
- 214. Frame of stamped envelopes and postal cards.
- 215. Letter box.

**ARGENTINE REPUBLIC.**

- 216. Two frames of postage stamps, stamped envelopes and postal cards.

**PARAGUAY.**

- 217. Frame of postage stamps.

**CHILI.**

- 218. Frame of stamps, etc.

**PERU.**

- 219. Frame of stamps, etc.

## DEPARTMENT OF THE INTERIOR.

### PATENT OFFICE.

Exhibit  
No.

#### 1. Air and gas engines.

Eighteen models illustrating the development of the modern hot air and gas engines from the earliest patented engine to the latest improved form of engine used.

#### 2. Amalgamators.

Fifteen models illustrating improvements on separators and amalgamators.

#### 3. Boot and shoe making machines.

One hundred and eleven models illustrating the development in the various classes of machines used in making boots and shoes from the earliest boot trees down to the perfected machines now in use.

#### 4. Brick and tile making.

Thirteen models illustrating improvements in clay making apparatus; eleven models illustrating improvements in brick molds; fifty-seven models illustrating the development of brick-making machinery from the earliest patented machine to the latest machines used; and fifteen models illustrating improvements in tile and pottery machinery. In all ninety-six models.

#### 5. Bridges.

Nine models illustrating improvements in bridges.

#### 6. Carding and combing.

Fifty-eight models illustrating the development of machines for cleaning, carding and combing textile fabrics from the earliest inventions patented to the latest patented improvements in these machines.

#### 7. Centrifugal machines.

Fifteen models illustrating the development of the centrifugal machine from the first machine patented to the latest machines in use.

#### 8. Cloth finishing machines.

Thirty-nine models illustrating the development of cloth finishing machines from before the beginning of the present century up to the improved modern machines; ten models illustrating improvements in cloth measuring; and thirteen models illustrating improvements in cloth cutting. In all, 62 models.

Exhibit  
No.

9. **Cordage machines.**

Thirty-two models illustrating the development of machine for making cord and rope, and for winding spools from the earliest patented machines to the machines now in use.

10. **Dynamos and electric motors.**

Seventy-nine models illustrating the development of dynamo and electric motor from the earliest attempts at a motor, and the first dynamo to the perfected machines of the present.

11. **Electric lighting.**

Nineteen models illustrating the development of the arc and incandescent light from the earliest used to the modern automatically regulated arc light and the modern perfected incandescent light.

12. **Excavating apparatus.**

Eight models illustrating improvements in earth augurs; 10 models illustrating improvements in road scrapers; 26 models illustrating improvements in ditching and dredging apparatus. In all 44 models.

13. **Felting and fulling.**

Eighteen models illustrating the development of machinery for felting and fulling cloth from the machines patented half a century ago to the latest improved machines; and 10 models illustrating improvements in hat making machinery. In all 28 models.

14. **Fences and gates.**

Fifteen models illustrating improvements in farm gates and 9 models illustrating improvements in means for stretching wire fences. In all 24 models.

15. **Fire arms.**

One hundred and twenty models illustrating the development of fire arms from the earliest shoulder piece known, to the latest perfected breech-loading magazine rifle adopted by the government; and 45 models illustrating the development of the pistol down to the latest perfected revolver. In all 165 models.

16. **Grinding mills.**

Fifty-seven models illustrating the development in means for grinding grain, including roller mills and bolting mills, from the early patented devices to the latest improvements in use.

17. **Harvesters.**

Fifty-four models illustrating the development of mowing machines and harvesters from the earliest machine known up to the latest improved machines used.

18. **Harrows.**

Twenty-nine models illustrating improvements in harrows.

19. **Injectors and ejectors.**

Fifty-seven models illustrating the improvements in injectors from the first injector patented to the latest improved form patented.

# DEPARTMENT OF THE INTERIOR.

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Exhibit  
No.

## 20. Knitting machines.

Sixteen models illustrating the development of the straight knitting machine; and 17 models illustrating the development of the circular knitting machine. In all 33 models.

## 21. Laundry and washing apparatus.

Sixty-three models illustrating the development in laundry appliances from the beginning of the present century up to the present time.

## 22. Leather working.

Eighteen models illustrating the development of the art of splitting and cutting leather from the early patented inventions to the late improved machines.

## 23. Locks.

Nineteen models illustrating improvements in locks; 5 models illustrating improved padlocks; 13 models illustrating improvements in time locks; and 6 models illustrating improvements in safes. In all 43 models.

## 24. Locomotives.

Thirty-seven models illustrating the development of the locomotive and traction engine from the earliest locomotive used to the latest improved engines now in use.

## 25. Looms for weaving.

Fifty models illustrating the development of the loom from pre-historic times down to the perfected power loom used to-day.

## 26. Marine propulsion.

Two hundred and eighty-three models illustrating the development of the screw propeller, the paddle wheel and other means for marine propulsion from the earliest devices used to the latest improved devices.

## 27. Metal working machines.

Nine models illustrating improvements in horse-shoe making machines; 5 models illustrating improvements in chain making; and 17 models illustrating improvements in file-cutting and gear cutting. In all 31 models.

## 28. Nail making machines.

Twenty-seven models illustrating the development of nail making machinery.

## 29. Navigation.

Fifty-eight models illustrating the development of the modern appliances for steering vessels from the earliest patented device to the modern improved steam steering apparatus; 27 models showing improvements in anchors, and 8 models showing improvements in logs and sounding apparatus. In all 93 models.

Exhibit  
No.

**30. Ordnance.**

Fifty-seven models illustrating the development of ordnance from the earliest cannon known to the modern breech-loading gun; 29 models illustrating the improvements in mounting ordnance; and 30 models illustrating the development of the machine gun, including the latest improved guns. In all 116 models.

**31. Paper making apparatus.**

Thirty-nine models illustrating the development of the modern pulp making machine; 14 models illustrating the development of the paper making machines, and 8 models illustrating the improvement in calendering devices. In all 61 models.

**32. Plows and cultivators.**

Fifty-two models illustrating the development of the plow from the first rude plow used to the latest improved sulky plow.

**33. Printing presses.**

One hundred and six models illustrating the development of the modern printing press from the first press used by the discoverer of the art to the latest improved perfecting newspaper press in use at the present time.

**34. Refrigeration.**

Thirteen models illustrating the development of the art of refrigeration including complete modern apparatus.

**35. Sawing and planing machines.**

Seventeen models illustrating the development of this art from the earliest American inventions to the latest improved machines.

**36. Screw-making machines.**

One hundred and six models illustrating the development of screw-making machines and taps and dies, including the late improvements.

**37. Seeders and planters.**

Twenty-seven models illustrating the development of mechanical seed-planting devices from the early patented machine to the latest improved machines.

**38. Sewing machines.**

One hundred and thirty-two models illustrating the development of the sewing machine from the earliest recorded patented mechanical sewing device to the latest improved machines of the present.

**39. Sheet metal working apparatus.**

Forty-two models illustrating the improvement in machines for shearing and otherwise working sheet metal within the last half century.

**40. Soldering apparatus.**

Six models illustrating improvements in soldering tools, and 10 models illustrating improvements in soldering machine. In all 16 models.

Exhibit  
No.

## 41. Spinning machines.

Twenty-three models illustrating the development of the spinning devices from the prehistoric distaff and spindle to the modern perfected spinning mule.

## 42. Steam pumps.

Thirteen models illustrating the improvement in steam pumps within the last half century.

## 43. Steam engines.

Ninety models illustrating the development of the steam engine from the earliest steam operated devices to the late improvements in the modern compound engine.

## 44. Steam engine governors.

Thirty-five models illustrating the improvements in the governors from the earliest form patented to the present.

## 45. Steam hammers.

Twelve models showing improvements in steam hammers.

## 46. Stone crushers.

Sixteen models illustrating the improvements in means for crushing stone and ore.

## 47. Tanning.

Thirty-two models illustrating the improvements in apparatus for tanning and dressing hides.

## 48. Telegraphy.

Thirty models illustrating the development of the electric telegraph from the first device patented to the modern duplex and multiplex telegraphs, including also the printing and autographic telegraphs.

## 49. Telephony.

Forty models illustrating the development of the telephone from the earliest patented telephone to the latest instrument in use.

## 50. Thrashing and cleaning grain.

Thirty-five models illustrating improvements in machines for thrashing and appliances for cleaning and treating grain to prepare it for grinding; and 19 models illustrating improvements in devices for weighing grain. In all 54 models.

## 51. Typewriters.

Forty models illustrating the development of the typewriting machine from the first American invention to the modern perfected machines.

## 52. Wire-working machines.

Twenty-six models illustrating improvements in machines for working wire made within the last half century.

## 53. Wood-turning machines.

Thirteen models illustrating the development of the wood-turning lathe from the earliest known form to the improved modern lathe.

Exhibit  
No.

## 54. Wood-working machines.

Twelve models illustrating the improvement in wood-working machines from the beginning of the present century to the present day.

## 55. Publications of the Patent Office.

One hundred and nine volumes of publications of the Patent Office, including the Official Gazette, the Decisions of the Commissioners and other publications of the office.

## GENERAL LAND OFFICE.

## 56. A series of charts and maps.

Showing the extent, kind and location of public lands, surveyed and unsurveyed; and illustrating the operations of the General Land Office.

## OFFICE OF INDIAN AFFAIRS.

## 37. Indian industrial and training school in operation.

Composed of teachers and pupils from the schools at Albuquerque, N. M.; Rensselaer, Ind.; Philadelphia and Carlisle, Pa.; Lawrence, Kan.; Genoa, Neb.; and Chilocco and Oage, Oklahoma.

## BUREAU OF EDUCATION.

## 58. Alaskan schools.

Photographs and scholars' work, illustrating conditions and results of school work in Alaska.

## 59. Colleges and universities.

Catalogues of colleges and universities of the world. Photographs of colleges and universities of the United States.

## 60. Library.

Selected library of about 5,000 volumes for a town library. Selection made by a committee of the American Library Association.

## 61. Library administration.

Blanks, etc., arranged by the Library School, Albany, N. Y.

## 62. Library architecture.

Photographs and drawings arranged by a committee of the American Library Association.

## 63. Library bindings.

Examples of best bindings, both temporary and permanent, for books of various sizes and kinds.

## 64. Library book shelving.

Examples of book stacks.

## 65. Library catalogues.

Card and printed catalogues of the 5,000-volume library prepared under the supervision of the American Library Association.

## 66. Library furniture.

Examples of furniture endorsed by the American Library Association.

Exhibit  
No.

## 67. Library indexes.

Machine known as the Rudolph Indexer.

## 68. Periodicals.

Copies of the educational journals and reviews of the United States.

## 69. Publications.

Full set of annual reports, circulars of information and bulletins that have been published by the Bureau of Education.

## 70. Reformatories and industrial schools.

Photographs and scholars' work illustrating the methods used in such institutions.

## 71. Salem library.

Photographs and drawings showing how a dwelling house has been altered into a library building for a library of 87,000 volumes.

## 72. School apparatus.

Models for demonstration of applied mathematics.

## 73. School architecture.

Photographs of exteriors and interiors of buildings.

## 74. School furniture.

Models illustrating the development of American invention in school furniture.

## 75. School superintendence.

Reports of state and local superintendents of public schools in the United States.

## 76. School.

Photographs of teachers and groups of pupils.

## 77. School savings banks.

Documents illustrating the methods of conducting school savings banks.

## 78. Secondary schools.

Catalogues and photographs of secondary schools of the United States.

Photographs of secondary schools of New Zealand.

## 79. Statistics.

Charts showing American and foreign statistics relating to population, school population, ratios and comparisons with expenditures for all school purposes.

Maps showing the location and distribution of educational institutions.

Volumes of original returns that have been used in compiling the statistics for the report of the commissioner of education, school year 1891-'92.

## 80. Time schedules.

Mechanical appliance used in the University of Kansas for the arrangement of hours for recitations, lectures and laboratory exercises.

## CENSUS OFFICE.

## 81. Maps, charts and diagrams.

Production of tobacco.

Distribution of different religious denominations.

Exhibit  
No.

Products of manufactures.  
Mineral productions.  
Prison population of the United States by age, sex, nativity and color.  
Thirty maps, charts and diagrams representing total, constituency and density of population.  
Railway and water transportation.  
Principal causes of death and death rates.  
Wealth, debt and taxation.

## 82. Tabulating machines.

Six electrical tabulating machines in operation.  
Keyboard and gang punches illustrating the method of tabulating by the Hollerith Electrical System.

## 83. Census reports.

Three cases containing volumes of censuses from 1790 to 1890 inclusive.  
Reports of census from 1790 to 1890.

## UNITED STATES GEOLOGICAL SURVEY.

## 84. Rocks and fossils.

A collection, illustrating the geological column in the United States.

## 85. Minerals.

## 86. Miscellaneous fossils.

## 87. Fossil plants.

## 88. Rocks and minerals from the Yellowstone National park.

## 89. Surveying instruments.

## 90. Dinoceras mirabile.

Papier mache restoration of a skeleton.

## 91. Publications of the United States Geological Survey.

## 92. Geological and topographical relief maps.

Arkansas drainage basin.

Baltimore and vicinity.

Cinder Cone and Cinder Cone dissected.

Coon Butte.

Crater lake.

Curved model of the United States.

Elk mountains.

Grand cañon of the Colorado.

High plateaus of Utah.

Irrigated fields.

Leadville.

Leadville dissected.

Mount Shasta, geology.

Mount Shasta, topography.

Mount Taylor.

North-east Iowa.

Exhibit  
No.

Twin lakes.  
 Uintah and Wasatch mountains.  
 Washington and vicinity.  
 Yellowstone National park.  
 Yosemite valley.

93. Rocks containing large slabs of fossil leaves, ripple marks, etc.
94. Proofs of illustrations from the publications of the United States Geological Survey.
95. May exhibit of the United States Geological Survey.
96. Photographic exhibit of the United States Geological Survey.
97. Photographic transparencies showing geological scenery.

## ALASKAN EXHIBIT.

98. Ethnology—2,700 specimens.
  - Basketry and mats.
  - Canoes, six full size specimens.
  - Clothing.
  - Fishing implements.
  - Household implements.
  - Hunting implements.
  - Industrial arts.
  - Ornaments.
  - Sleds, three specimens.
  - War implements.
99. Fish.
  - Sixty-seven varieties.
100. Furs.
  - Twenty specimens, representing all fur bearing animals of Alaska.
101. Minerals.
  - Specimens from about twenty-five mines.
102. Pictures.
  - Original water color sketches of flora, glaciers, natives and scenery.
103. Woods.
  - Sections of trees, six specimens.

## SEQUOIA NATIONAL PARK, CALIFORNIA.

104. Big tree.
  - Section thirty feet in length cut from Sequoia Gigantea "General Noble." This section was cut from the tree about twenty feet from its base. The tree was three hundred feet in height. Its diameter at the base twenty-six feet; and its circumference eighty-one and a half feet.
105. Photographs of scenery in the big tree country, and of scenes during the cutting, handling and shipping of the section on exhibition.

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Exhibit  
No.

- l* Laws of the territory of the United States, northwest of Ohio 1793.  
Vol. I.
- m* Laws of the territory of the United States northwest of Ohio  
Vol. II.
- n* Constitution of the United States. Printed 1791.
- o* The Law of Evidence, 1806. Owned by John Marshall.

## 12. CASE II—Photographic Fac-similes and Books.

- a* Nomination of the cabinet by U. S. Grant, March 5, 1869.
- b* Nomination of Morrison R. Waite to be chief justice of the  
Supreme Court of the United States, January 19, 1874.
- c* Nomination of James G. Blaine to be Secretary of the United  
States, March 5, 1891.
- d* Nomination of General Grant to be General on the Retired List,  
March 3, 1885.
- e* Nomination of Melville W. Fuller to be chief justice of the  
Supreme Court of the United States, April 30, 1888.
- f* Memorandum, by Anson G. McCook, Secretary of the United  
States Senate.
- g* Charter of Harvard College.
- h* Elliott's Journal and Debates. Annotations by Daniel Webster.
- i* Monroe's view of the Executive. Annotations by George Wash-  
ington.
- j* Debates of the Convention of the Commonwealth of Massachusetts  
for assenting to and ratifying the Constitution, 1808.
- k* Acts passed at Congress of the United States held in New York  
1789.
- l* Perpetual Laws of the Commonwealth of Massachusetts, 1782.
- m* Laws of Northwest Territory, 1794.

## 13. CASE III—Photographic Fac-similes and Books.

## Plymouth.

- a* Page from Plymouth Record, 1620.
- b* Warrant issued in the name of George I, 1718.
- c* Memorandum of debt signed by Josiah Cotton, 1723.
- d* Warrant issued in the name of George I, 1721.
- e* Orders agreed on by Plymouth Colony, 1623.
- f* Orders agreed on by Plymouth Colony, 1626.
- g* Deed of sale, 1631.
- h* Bargain regarding sale of cow to Miles Standish, 1627.
- i* Charter and Laws of the Colony of New Plymouth, 1600.
- j* Colony Laws of New Plymouth, 1662.
- k* Colony Laws, 1641.
- l* Laws of Colony of New Plymouth, 1653.

Exhibit  
No.

**14. CASE IV—Photographic Fac-similes and Books.**

**Salem.**

- a* Land Patent of Second Dorchester Company, 1628.
- b* Commission of William III, creating Court of Common Pleas, 1696
- c* Page of First Book of Deeds in Salem Village, 1641—1644.
- d* Last Will and Testament of Roger Conant, 1677.
- e* Last Will and Testament of Roger Conant, concluded.
- f* Grant of Cape Ann District to Dorchester Company, 1623.
- g* Agreement regarding enlargement of the Church in Salem Village 1638.
- h* Laws of the State of Vermont, 1798.
- i* Colonial Laws of Massachusetts, 1672.
- j* Statutes of Vermont, 1791.
- k* Laws of the Province of New Hampshire, 1696—1725.

**15. CASE V—Photographic Fac-similes and Books.**

**Salem.**

- a* Page from Witchcraft Records, 1692.
- b* Testimony and examination of Mary Corey, 1692.
- c* Photograph of Painting of "Trial of George Jacobs."
- d* Examination of Rebecca Norse, 1691.

**Providence.**

- e* Mortgage. Issued 1741.
- f* Bill of Credit, 1715.
- g* Bill of Credit, 1786.
- h* Providence Compact, 1639.
- i* Early Records of Town of Providence, 1671. Vol. I.
- j* Public Law of the State of Rhode Island, 1798.
- k* Early Records of the Town of Plymouth, Vol. II.
- l* Perpetual Laws of the State of New Hampshire, 1788.
- m* Statutes of Vermont, 1788.

**16. CASE VI—Photographic Fac-Similes, Books.**

- a* Land patent, issued June 1, 1621. Oldest state paper in the United States.
- b* Ancient charter—Plymouth.
- c* Laws of New York, 1789.
- d* Laws of New York, 1786.
- e* Laws of New York, 1791.
- f* Laws of New York, 1775.

**17. CASE VII—Photographic Fac-Similes and Books.**

**Compacts and Charters—**

- a* Fundamental orders of Connecticut, 1638.
- b* Mayflower compact, 1620.
- c* Charter of Rhode Island, 1663.
- d* King Charles, charter to Massachusetts Bay, 1629.

Exhibit  
No.

- e* William and Mary's charter to Massachusetts Bay, 1691.
  - f* Commentaries on Laws of England, 1771.
  - g* Laws of Pennsylvania, 1682-1700.
  - h* Debates of the constitutional convention of Virginia, 1788.
  - i* Debates of the constitutional convention of Pennsylvania, 1788
18. CASE VIII—Early Books of the United States Laws—
- a* Laws of Maryland, 1762.
  - b* Statutes of limitation, 1760 (belonging to Patrick Henry).
  - c* Code of Christian V, 1766.
  - d* Laws of New Jersey, 1776.
  - e* Laws of New Jersey, 1778.
  - f* Laws of New York, 1777.
  - g* Laws of North Carolina, 1791.
  - h* Laws of New Hampshire, 1797.
- |  |   |                                   |   |   |
|--|---|-----------------------------------|---|---|
| <ul style="list-style-type: none"> <li>19. Case IX.</li> <li>20. Case X.</li> <li>21. Case XI.</li> <li>22. Case XII.</li> </ul>     | } | The Hampton L. Carson collection. | { | Artist's proof etching of the framers of the constitution.  |
| <ul style="list-style-type: none"> <li>23. Case XIII.</li> <li>24. Case XIV.</li> <li>25. Case XV.</li> <li>26. Case XVI.</li> </ul> | } | The Hampton L. Carson collection. | { | Artist's proof etchings of chief justices and associate justices of the Supreme Court of the United States. |

## DEPARTMENT OF AGRICULTURE.

### BUREAU OF ANIMAL INDUSTRY.

(To be found in the United States Government Main Building.)

Exhibit  
No.

1. **Bacteriological laboratory.**
2. **Models, etc., of cars and steamships for transporting live stock.**
3. **Models and specimens illustrating diseases of domestic animals.**
4. **Models etc., illustrative of government inspection of cattle and meat.**
5. **Specimens showing methods of shoeing horses and pathological anatomy of the hoof.**
6. **Bio-chemic laboratory.**
- 6a. **Cultures of bacteria.**
- 6b. **Model of horse showing lesions of glanders and farcy.**
- 6c. **Specimens of the animal parasites.**
- 6d. **Stuffed specimens illustrating "gapes" in chickens.**
- 6e. **Diagrams of bacteria.**
- 6f. **Model of Kansas City stock-yard.**
- 6g. **Model of cattle quarantine hospital at Garfield, N. J.**
- 6h. **Shoes of celebrated trotting horses.**
- 6i. **Globe showing distribution of contagious pleuro-pneumonia.**
- 6j. **Curios removed from the stomachs of cattle.**

### DIVISION OF BOTANY.

(To be found in the United States Government Main Building.)

7. **Desert plants, collection of yuccas, cacti, agaves, etc. (Plazza.)**
8. **Grasses and forage plants, collection of.**
9. **Herbarium containing a collection of North American plants.**
10. **Maps showing distribution of certain North American plants.**
11. **Medicinal barks, fibers, roots, etc.**

### DIVISION OF CHEMISTRY.

(To be found in the United States Government Main Building.)

12. **Adulterated foods.**
13. **Agricultural chemical laboratory, collection of apparatus employed in.**

# DEPARTMENT OF AGRICULTURE.

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Exhibit  
No.

14. Alcohol, continuous still for recovery of.
15. Cassava (sweet) root, products of.
16. Cotton seed, raffinose from.
17. Oil analysis, collection of apparatus employed in.
18. Soil sampler.
19. Sorghum, products of.
20. Sugar analysis, apparatus used in.
21. Sugar beets and apparatus used in analysis of these.
22. Sugar cane, wax model of.
23. Wines, apparatus for estimation of alcohol in.

## DIVISION OF ENTOMOLOGY.

(To be found in the United States Government Main Building.)

24. Entomological apparatus for collecting insects.
25. Entomological apparatus for mounting and preserving insects.
26. Entomological apparatus for rearing insects.
27. Entomological publications of Division Entomology and U. S. Entomological Commission.
28. Insect collection of United States National Museum, sample boxes, systematic series.
29. Insect collection of United States National Museum, sample boxes, biologic series.
30. Insect pests, maps showing distribution of.
31. Insects affecting Solidago, with wax model of plant.
32. Insect charts, illustrating classification.
33. Insects, North American, illustrations of.
34. Insects, anatomical models of.
35. Insects, injurious, charts of.
36. Insects, injurious, important species, with models of plants and insects.
37. Insects, injurious to agriculture, collection of.
38. Insecticide apparatus.
39. Insecticides.
40. Silk insects, biologic exhibit of native and foreign species.

## OFFICE OF EXPERIMENT STATIONS.

(To be found in the United States Government Main Building.)

41. Card index of agricultural literature, method of preparation.
42. Experiment station record, method of preparation.
43. Library of publications of agricultural experiment stations.
44. Map showing location of agricultural experiment stations in the U. S.

## DIVISION OF FORESTRY.

(To be found in the United States Government Main building.)

**Exhibit  
No.**

46. Botanical specimens of forest flora of the United States and collection of wood specimens.
47. Chronology of a tree, showing rate of growth.
48. Curios of the forest.
49. Decorative wood work, veneers and pressed wood.
50. European forest management, maps, plans, tools and books illustrative of.
51. Forest literature, collection of.
52. Forestry emblem of American Forestry Association.
53. Growth of trees, sections showing rate of.
54. "Michaux Silva," collection of colored plates of forest flora.
55. Manufactures of wood, collection of.
56. Maps and photographs, showing forest distribution and conditions.
57. Metal ties, and wood saving railway appliances.
58. Pagoda of finished woods and transparencies of veneer sections.
59. Planting tools, collection of.
60. Seeds and seedlings of forest trees, collection of.
61. Tanning industry, illustrated by barks, extracts, tools, etc.
62. Timber tests, specimens tested, apparatus, photographs, drawings, etc.
63. Timber trees, twenty monographs of.
64. Tree planting machine, model of.
65. Turpentine industry illustrated by trees, logs, material, tools and products

**DIVISION OF HORTICULTURE.**

66. Economic plants, collection of. (plazza)
67. Photographs of Department Grounds at Washington. (Main building)

**DIVISION OF ILLUSTRATIONS.**

(To be found in the United States Government Main building.)

68. Drawings used in illustrating department reports.
69. Blocks and proofs, showing methods of reproducing above drawings.

**DIVISION OF MICROSCOPY.**

(To be found in the United States Government Main building.)

70. Edible and poisonous fungi, models of.
71. Fibres, instruments for testing.
72. Foods, instruments and processes for detecting adulterations in.
73. Fungi, affecting forest trees.

**MUSEUM AND OFFICE OF INVESTIGATION.**

(To be found in the United States Government Main building.)

74. Cereals:  
Collection of samples of corn, wheat, oats, rye, barley and buckwheat.
75. Tobacco:  
Collection of foreign and domestic leaf tobacco.

# DEPARTMENT OF AGRICULTURE,

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Exhibit  
No.

Map showing distribution of culture of classes and varieties of tobacco in the United States.

Model of tobacco curing barns.

Model of tobacco plant bed.

## 76. Wool:

Collection of fleeces of standard breeds of sheep.

Collection of samples of domestic and foreign wools.

## 77. Silk:

Collection of cocoons, reeled silks and silk stuffs from wild silk worms.

Collection of cocoons, reeled silks and silk stuffs from domesticated silk worms.

Models of apparatus used in silk culture.

Models of silk worms, showing diseases.

## 78. Cotton:

Bales of domestic and foreign cotton.

Collection of samples of domestic and foreign cotton.

Exchange standards of cotton.

Maps of cotton districts of the United States, Egypt, etc.

Models of cotton presses and compresses.

Photographs, illustrative of cotton culture in the United States.

## 79. Miscellaneous Vegetable Fibres (Office of Fibre Investigations)

Cane fibres, collection of.

Cocoonut, palmetto, and other palm fibers with partial manufactures thereof.

Flax straw, fiber and manufactures, of domestic and foreign origin.

Hemp, hackled fiber and partial manufacture thereof.

Jute and bast fibers.

Leaf and cordage fibers, sisal hemp, bowstring hemp, pineapple, etc. with specimens of manufactures.

Ramie, degummed fiber, manufactures of ramie, domestic and foreign.

## 80. Miscellaneous.

Collection of historic plows.

## DIVISION OF ORNITHOLOGY AND MAMMALOLOGY.

(To be found in the United States Government Main Building.)

81. Birds injurious and beneficial to agriculture.

82. Mammals injurious to agriculture.

83. Maps of the United States showing distribution of faunal and floral species.

84. Model of the portions of Southern California, Nevada, Arizona and Utah, showing floral and faunal zones.

85. Model of the United States showing floral and faunal zones.

86. Mountain slope, showing distribution of fauna and flora in the Sierras.

## UNITED STATES GOVERNMENT EXHIBIT.

## DIVISION OF POMOLOGY.

(To be found in the United States Government Main Building.)

Exhibit  
No.

- 87. Collection of edible nuts.
- 88. Collection of models of North American fruits.
- 89. Maps showing distribution of principal commercial fruits throughout the United States.
- 90. Models of strawberry plants, showing method of culture.
- 91. Office blanks.
- 92. Paintings of fruits.
- 93. Photographs of orchards, etc.

## DIVISION OF RECORDS AND EDITING (North Gallery).

(To be found in the United States Government Main Building.)

- 94. Annual agricultural reports of the Commissioner of Patents, 1841-1861.
- 95. Annual reports of the Commissioner of Agriculture 1862-1888.
- 96. Annual reports of the Secretary of Agriculture, 1889-1892.
- 97. Special reports, bulletins and periodicals of the Department of Agriculture, 1862-1892.

## DIVISION OF STATISTICS.

- 98. Agriculture statistics, charts and models illustrating.

## DIVISION OF VEGETABLE PATHOLOGY.

(To be found in the United States Government Main Building.)

- 99. Fungicide machinery, as designed by the Division (Chemical Remedies for Plant Diseases), collection of.
- 100. Fungicides, collection of.
- 101. Maps of United States, showing existence of fungous diseases of fruits.
- 102. Photographs of cultivated plants, showing profitable use of fungicides as remedies for diseases.
- 103. Specimens and wax models of plants affected with fungous diseases.
- 103a. Apparatus used in the study of plant diseases.

## WEATHER BUREAU.

(Weather Bureau Building, Government Piazza.)

- 104. Meteorological charts and photographs.
- 105. Meteorological instruments.
- 106. Weather forecasting.
- 107. Weather map printing.

# SMITHSONIAN INSTITUTION AND NATIONAL MUSEUM.

## GENERAL EXHIBIT.

Exhibit  
No.

1. **Photograph of the Smithsonian Institution.**
2. **Photograph of the National Museum.**
3. **Portraits of Secretaries.**  
Joseph Henry, Secretary 1846-1878.  
Spencer Fullerton Baird, Secretary 1878-1887.  
Samuel Pierpont Langley, Secretary 1887.
4. **Publications of the Smithsonian Institution.**  
Smithsonian Reports.  
Smithsonian Contributions to Knowledge.  
Smithsonian Miscellaneous Collections.  
Reports of the United States National Museum.  
Proceedings of the United States National Museum  
Bulletins of the United States National Museum.  
Publications of the Bureau of Ethnology.  
Publications of the National Academy of Sciences.  
Reports of the American Historical Association affiliated with the Institution.  
Reports of Scientific Expeditions under the direction of the Smithsonian Institution.
5. **A Screen of Photographs**, illustrating the discoveries of Professor Joseph Henry, including those which led to the invention of the electric telegraph.

## HISTORICAL COLLECTIONS.

7. **Portraits of eminent Americans.**  
Series of engravings and photographs of eminent Americans, (Deceased) Statesmen, Jurists, Army and Navy officers, Philosophers, Naturalists, Medical Men, Clergymen, Educators, Artists, Authors, Merchants, Philanthropists, etc.
8. **Portraits of members of the National Academy of Sciences.** (Deposited by Dr. Marcus Benjamin.)
9. **Engraved Portraits of Members of the Continental Congress, and of the Federal Convention of 1787.** (Deposited by Albert Rosenthal.)

Exhibit  
No.

10. **Medals, illustrative of American History.** (About four hundred and fifty specimens.)
11. **Medals** commemorative of Colonial events prior to 1775.
12. **Medals of the Revolutionary War.**
13. **Collegiate and Ecclesiastical Medals.**
14. **Medals of Eminent Americans.**
15. **Washington Medals.**
16. **Money of the Colonies of the United States.**  
Metallic money of the colonies of the United States, prior to the establishment of the United States Mint.
17. **Models of the ships "Mayflower" of the Plymouth Colony, and "Sally Constant" of the Virginia Colony.**
18. **A Series of Water-color Drawings** of decorated powder-horns, carried by soldiers of the American Revolution.
19. **A Series of fac-similes** of original drawings and maps made by John Wyth, a member of Sir Walter Raleigh's Colony, on Roanoke Island, in 1585, now in the British Museum, the first delineations by Englishmen of the natives of America showing their customs and costumes.

#### KERAMICS.

This exhibit is intended to illustrate the history and development of ceramics (pottery and porcelain) by means of a collection of typical specimens of Japanese ware arranged for purposes of convenience by provinces (except in the case of section 1), as follows:

20. **Ancient Pottery. (No. 1.)**
21. **Province of Hizen.**
  - a* Karatsu ware dating from A. D. 1600 to A. D. 1750 (Nos. 2, 3, 4, 5, 6, 7, and 8).
  - b* Arita ware dating from A. D. 1650 to A. D. 1880 (Nos. 122, 123, 124, 125, 126, 127, 128, 129, 130, 131 and 132).
  - c* Hirada ware dating from A. D. 1800 to A. D. 1850 (Nos. 133, 134, 135 and 136).
  - d* Nangawara ware dating from A. D. 1750 (No. 137).
  - e* Nabeshima ware dating from A. D. 1750 to A. D. 1850 (Nos. 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148 and 149).
  - f* Kakiyemon ware of A. D. 1650 (Nos. 150 and 151).
  - g* Tsryi Gokushin ware of A. D. 1750 (No. 152).
  - h* Kameyama ware of A. D. 1850 (No. 153).
  - i* Bogasaki ware of A. D. 1850 (No. 155).
  - j* Shiraishi ware of A. D. 1850 (No. 154).
22. **Province of Taishiu (Island of Tsushima).**  
Tsushima ware of A. D. 1700 (Nos. 9 and 10).
23. **Province of Owari.**
  - a* Seto ware dating from A. D. 1600 to A. D. 1880 (Nos. 11, 12, 13, 14, and 15).
  - b* Horaku ware of A. D. 1850 (Nos. 47 and 48).

Exhibit  
No.

24. **Province of Bizen.**  
a Bizen ware dating from A. D. 1700 to A. D. 1800 (Nos. 16, 17, 18, 19 and 20).
25. **Province of Omi.**  
a Shigaraki ware dating from A. D. 1800 to A. D. 1850 (Nos. 21, 22, 23 and 24).  
b Koto ware of A. D. 1850 (No. 161).
26. **Province of Kii.**  
Zuishu ware of A. D. 1800 (No. 166).
27. **Province of Iga.**  
Iga ware of A. D. 1850 (No. 25).
28. **Province of Tamba.**  
Tamba ware of A. D. 1800 (Nos. 26 and 163).
29. **Province of Idzumo.**  
Idzumo ware of A. D. 1850 (No. 36).
30. **Province of Idsumi.**  
Idsumi ware of A. D. 1800 (No. 40).
31. **Province of Yamato.**  
Akabada ware dating from A. D. 1800 to A. D. 1850 (Nos. 37, 38 and 39).
32. **Province of Survo.**  
Survo ware of A. D. 1850 (No. 85).
33. **Province of Nagato.**  
Hagi ware dating from A. D. 1750 to A. D. 1850 (Nos. 92, 93 and 34).
34. **Province of Chikuzen.**  
Takatovi ware dating from A. D. 1850 to A. D. 1850 (Nos. 27, 28, 29, 30 and 31).
35. **Province of Higo.**  
Yatsushiro ware dating from A. D. 1750 to A. D. 1850 (Nos. 100, 101 and 102).
36. **Province of Satsuma.**  
Satsuma ware dating from A. D. 1700 to A. D. 1885 (Nos. 90, 92, 93, 94, 95, 96, 97, 98 and 99).
37. **Province of Settsu.**  
a Sanda ware of A. D. 1800 (No. 164).  
b Kikko ware of A. D. 1850 (No. 46).  
c Kosube ware of A. D. 1850 (No. 162).
38. **Province of Iwaki.**  
Soma ware dating from A. D. 1800 to A. D. 1850 (Nos. 103, 104 and 105).
39. **Province of Kaga.**  
Kutani ware dating from A. D. 1700 to A. D. 1880 (Nos. 106, 107, 108, 109, 110, 111, 112, 113 and 114).
40. **Province of Ise.**  
Banko ware dating from A. D. 1750 to A. D. 1885 (Nos. 115, 116, 117, 118, 119, 120 and 121).



**Exhibit  
No.**

96. Ceremonial and religious objects of the Eskimo.
97. Eskimo mummies.  
Shoshonean family.
98. Costumed figures.
99. *a* The burden bearer.
100. *b* Ute woman and cradle.
101. *c* Comanche boys.
102. Objects representing Shoshonean arts and industries.
103. Ceremonial and religious objects of the Shoshonean tribes.  
Siouan family.
104. Costumed figure of Sioux Warrior, "Red Cloud."
105. Costumed figure of Sioux woman, "Rosa."
106. Costumed figure, The Crow Artist.
107. Group. Women dressing hides.
108. Weapons and armor of the Sioux tribes.
109. Objects used in travel and transportation by the Shoshonean tribes.
110. Objects illustrating social relations. Heraldry, painted buffalo robes, etc.
111. Sioux textile work. Quill and bead work.
112. Objects of dress and personal adornment.

**SUBSIDIARY EXHIBITS.**

- Lapidary work of the North American Indians:
    - a* Costumed figure. Zuni drilling a stone.
    - b* The work of the lapidary. (Exhibit prepared by Mr. Joseph D. McGuire).
    - c* Pipes of North American Indians.
    - d* Miscellaneous native lapidary work.
  - e* Decorative figure. Sioux woman on horseback with her family.
  - f* Group. Moki breadmaker and miller.
  - g* Specimens. Illustrating the processes of the various aboriginal arts, arranged according to stocks.
- [An extensive collection illustrating the arts of women among savage and barbarous people will be found in the Women's Building.]

**PREHISTORIC ANTHROPOLOGY.**

- Collections of W. H. Holmes, Bureau of Ethnology:
- The exhibit under this head deals with man before the dawn of history, comprises implements, utensils and other objects found in different parts of the world, and recognized as his handiwork.
- Objects of the Paleolithic or Chipped Stone Age.
- a* A series of about sixty objects. Of chipped stone from Europe, Asia and Africa, belonging to the first alluvial or Chelleen Period of the Age, and representing the earliest accepted implements made by man.
- b* Objects of the second period. Known as Reindeer or Cavern Period.

Exhibit  
No.

122. **Cast of four prehistoric human skulls.** Neanderthal, Olmo, Engis and Langerie Basse.
123. **Implements of stone and bone.** From France and England (Cresswell and Kent's Caverns, England; Mousties, Solutrè and La Madelaine, France).
124. **Objects from the United States,** of the same form as the preceding four in the postpliocene formations and on the surface, and believed by some students to be implements of the same character as those of Europe. (Exhibited for comparison.)
125. **Objects of the Neolithic or Polished Stone Age,** from the old and new worlds, comprising hammers, cores, flakes, hatchets, scrapers, discs, chisels, poinards and arrow and spear heads—polished and unpolished.
126. **A collection to illustrate a classification of arrow and spear heads.**
127. **A series of objects of stone,** including "banner stones," drilled tablets and boat and bird shaped stones, etc., the uses of which are unknown, but which are supposed to have been connected with ceremonies, or used as ornaments or in games.
128. **Objects of shell, bone and horn.**
129. **Copper implements and ornaments of America.**
130. **Gold ornaments of Central and South America.**
131. **Bronze implements and ornaments from Europe.**
132. **A collection of ornaments, knives, hatchets and other objects of jade turquoise, rock-crystal and obsidian,** from Alaska, Central and South America, Australia and New Zealand.
133. **A series of prehistoric Carib implements,** including stone-collars, zemes, stone-masks, clubs, hatchets, etc., from Porto Rico, West Indies.

**ABORIGINAL QUARRYING AND MINING.**

The collections under this head illustrate the quarrying of stone by the aborigines of the United States, for utensils, pipes, ornaments, etc.; the manufacture of stone implements from flint, chert, novaculite, quartzite and rhyolite; and the mining of copper and mica.

134. **Exhibit illustrating the ancient quarrying of quartzite boulders** (and the manufacture of implements from them) on Piney Branch, District of Columbia; including a series of specimens, showing processes and progressive steps of manufacture; and photographs, drawings and maps, representing the site and nature of the aboriginal operations, and the method of exploration.
135. **A group of exhibits illustrating,** by means of specimens, maps, photographs, etc., the quarrying and manufacture of chert in Indian Territory together with a mass of quarry refuse.
136. **Exhibits representing the novaculite quarries of Garland County, Arkansas,** including a series of hammer-stones.

Exhibit  
No.

137. Exhibits representing the flint quarries of Flint Ridge, Licking County, Ohio, and the manufacture of knives, spears and arrow heads.
138. An exhibit representing the quarrying and shaping of rhyolite by the ancient inhabitants of Pennsylvania.
139. Specimens illustrating the use of flint nodules in implement-making by tribes of Texas.
140. Specimens, photographs and maps, showing the aboriginal manufacture of soapstone utensils in the District of Columbia.
141. Collections from the ancient copper mines of Isle Royale, Lake Superior, supplemented by photographs, maps and drawings.
142. An exhibit representing the sacred pipestone quarries of Southwestern Minnesota.
143. A collection representing ancient mica mining in North Carolina.
144. Costumed figures—two negro workmen engaged in breaking up and flaking flint.

## RELIGIOUS CEREMONIALS.

This exhibit is limited to a selection from the religions of the nations inhabiting the Mediterranean basin, with special regard to the ceremonies as forming the starting point for a comparative study of religions.

The exhibit comprises the following religions: Assyro-Babylonian, Jewish, Mohammedan, Greek, Roman and Oriental Christian.

**Assyro-Babylonian Religion.**

145. Bas-reliefs (casts) representing divinities and worshippers.
146. Seals (casts) engraved with representations of mythological and religious scenes.
147. Photographs of divinities, and scenes of worship.

**Jewish Religion.**

148. Objects used in the service of the Synagogue.
149. Sacred books. Manuscripts of the Law (Pentateuch), of the book of Esther.
150. Ornaments, veils and curtains of the Holy Ark, mantles and covers for the law; breastplates, bells, pointers, *tallith* and *Orba Kanfot*.
151. Outfit of the worshipper: Prayer, mantle, phylacteries, and prayer books.
152. Objects used on sacred occasions.
153. Sabbath—Kiddush cloth, habdalah set, lamps.
154. Passover—Complete set of the utensils of the passover meal, comprising glasses, dishes, cups, saucers, serviettes and covers. The liturgy of passover evening.
155. New Year's day and day of atonement: Cornets (shofars). Liturgies of the Beni-Israel (Jews of Bombay in the Marathi language).
156. Feasts of tabernacles: Curtain of booth, palm-branch (*gubab*) and citron (ethrog).
157. Objects used on special occasions: Circumcision—Knife and cup. Consecration of child. Siyurm. Marriage—wedding rings, marriage con-

Exhibit  
No.

tracts. Omer tablet. Other religious observances. Knife used for slaughtering animals. Hanukah (feast of dedication)—Lamps. Mezuzah—tablet on the door post. Amulets. Mizrach.

- 157a. Graphic illustrations:** Ceremonies and implements of the synagogue. Ceremonies of festal days. Domestic ceremonies. Photographs of synagogues. Photographs of Jewish rabbis. Photographs of Samontan pentateuchs and other Mss.

**Mohammedan religion.**

- 158.** Objects used in the mosque: Koran, reading stand, crescent, lamps, ewer and basin for ablutions. Dress and paraphernalia of religious persons. Costume of Iman and Dervish. Dervish staff, drum and almo. Vessel, Amulets. Set of photographs of Mecca and the pilgrims. Photographs of Mosques, fountains, religious persons and feasts, and burial places.

**Greek religion.**

- 159.** Objects of worship. Principal divinities. Minor or secondary deities. Mythological scenes. Religious practice. Festal scenes and processions. Altar and sacrifices. Votive tablets. Sepulchral reliefs. Graphic illustration: Picart plates representing divinities, priests, altars, and other utensils of worship and various religious scenes.

**Roman religion.**

- 160.** Objects of worship. Principal divinities. Minor or secondary deities. Tombstone.

**Oriental Christian religion.**

- 161.** Armenian, Coptic, Ethiopian and Greek ceremonial vessels, votives, ikons, manuscripts, etc.

**MAMMALS.**

The exhibits of Mammals consist of four series of objects as follows:

- 162. A systematic series, consisting of mounted specimens, representing the families of American Mammals. Except in a few cases, all the American genera in each family are represented.**

The families are as follows:

**Cebidæ**—The American Monkeys. **Hapalidæ**—The Marmosets. **Felidæ**—The Cats. **Canidæ**—The Dogs. **Mustelidæ**—The Weasels. **Ursidæ**—The Bears. **Procyonidæ**—The Raccoons. **Otariidæ**—The Sea-Lions. **Phocidæ**—The Seals. **Odoboenidæ**—The Walruses. **Camelidæ**—The Camels and Llamas. **Bovidæ**—The Cattle. **Antilocapridæ**—The Prong-horn Antelopes. **Cervidæ**—The Deer. **Dicotylidæ**—The Pecaries. **Tapiridæ**—The Tapirs. **Trichechidæ**—The Manatees. **Delphinidæ**—The Dolphins. **Ziphiidæ**—The Bottle-nosed Whales. **Physeteridæ**—The Sperm Whales. **Balaenidæ**—The Whalebone Whales. **Phyllostomidæ**—The Leaf-nosed Bats. **Emballonuridæ**—The Free-tailed Bats. **Vespertilionidæ**—The Typical Bats. **Talpidae**—The Moles. **Soricidæ**—The Shrews. **Centetidæ**—The Tenrecs and

Exhibit  
No.

Almiquis. Sciuridæ—The Squirrels. Haplodontidæ—The Sewellels. Castoridæ—The Beavers. Muridæ—The Rats and Mice. Geomyidæ—The Pouched Gophers. Scomyidæ—The Pouched Rats. Dipodidæ—The Jumping Mice and Jerboas. Octodontidæ—The Spiny Rats. Hystricidæ—The Porcupines. Chinchillidæ—The Chinchillas. Dasyproctidæ—The Agoutis. Dinomyidæ—(No English name; only one specimen known.) Caviidæ—The Cavies. Lagomylidæ—The Pikas. Leporidæ—The Hares. Myrmecophagidæ—The Ant-eaters. Bradypodidæ—The Sloths. Dasypodidæ—The Armadilloes. Didelphyidæ—The Opossums.

Groups of North American Mammals and single specimens, accompanied by accessories, indicating the natural surroundings of the species.

163. A male Pacific Walrus, from Walrus island, Bering sea.
164. A group of California Sea-lions from the coast of California.
165. Steller's Sea-lions, male and female, from the Privalof islands, Alaska.
166. A Sea-otter from Sanak Island, Alaska.
167. A family of Badgers from Kansas, with plants and ground-work, representing the natural surroundings of these animals on the plains.
168. A group of three Woodland Caribou, from Newfoundland, with accessories representative of the more open portions of that island.
169. A group of Barren-ground Caribou from Alaska, on the "tundras," or treeless plains.
170. A group of four Rocky Mountain Goats, from Montana and British Columbia, represented as standing on a ledge of a rocky mountain side.
171. A group of six Rocky Mountain Sheep, from Wyoming and Montana, represented as climbing about a mountain peak, near the snow-line.
172. A group of nine-banded Armadilloes, from Texas, with accessories showing the prickly vegetation of the arid regions.
173. A family of Virginia Opossums, showing nest and young.
174. Virginia Deer. A scene at the margin of a water-course in Virginia. A group, comprising two bucks, a doe and a fawn, with accessories, consisting of trees and plants characteristic of Virginia, intended to convey an idea of the surroundings in which the Virginia deer was first seen by the European colonists.

A collection of heads of large game of Africa and Asia.

The following species are represented:

175. Eland—African.
176. Greater koodoo—African.
177. Lesser koodoo—African.
178. Argali, or wild sheep of Thibet—Asiatic.
179. Burhel, or blue wild sheep—Asiatic.
180. Thar, or Himalayan wild goat—Asiatic.
181. Asiatic ibex—Asiatic.
182. Beisa antelope—African

Exhibit  
No.

- 183. Nylghai—Asiatic.
- 184. Clark's gazelle—African.
- 185. Waller's gazelle—African.
- 186. Dorcas gazelle—African.
- 187. Sömmering's gazelle—African.
- 188. Speke's gazelle—African.
- 189. Salt's gazelle—African.
- 190. Sassaby, or hartebeeste—African.
- 191. Jackson's hartbeeste—African.
- 192. Siberian boar—Asiatic.

**BIRDS.**

The exhibit comprises six classes of subjects, which are arranged in accordance with the plan outlined below.

193. **Systematic series, showing representatives of all the families of birds occurring in America, as follows:**

Fringiridæ—The Finches. Icteridæ—The Hangnests. Sturnidæ—The Starlings. Corvidæ—The Crows and Jays. Mniotiltidæ—Wood-Warblers. Cœrebidæ—Honey Creepers. Tanagridæ—Tanagers. Hirundinidæ—Swallows. Vireonidæ—Vireos. Laniidæ—Shrikes. Dulidæ—Palm Chats. Ptiloonatidæ—Silky Flycatchers. Ampelidæ—Wax-wings. Cinclidæ—Dippers. Troglodytidæ—Wrens. Certhiidæ—Creepers. Sittidæ—Nuthatches. Paridæ—Titmice. Chamæidæ—Wren-Tits. Sylviidæ—Warblers. Mimidæ—Mocking Thrushes. Turdidæ—Thrushes. Motacillidæ—Wagtails and Pipits. Alaudidæ—Larks. Oxyrhamphidæ—Sharp-bills. Furnariidæ—Oven Birds. Dendrocolaptidæ—Woodhewers. Formicariidæ—Ant Birds. Pteroptochidæ—Tapacolas. Conopophagidæ—Phytotomidæ—Plant-cutters. Cotingidæ—Cotingas. Pipridæ—Manakins. Tyrannidæ—Tyrant Flycatchers. Trochilidæ—Humming Birds. Micropodidæ—Swifts. Trogonidæ—Trogans. Picidæ—Woodpeckers. Captonidæ—Barbets. Rhamphastidæ—Toucans. Galbulidæ—Jacamars. Bucconidæ—Buff Birds. Alcedinidæ—Kingfishers. Momotidæ—Motmots. Todidæ—Todies. Caprimulgidæ—Goatsuckers. Stercorariidæ—Oil Birds. Cuculidæ—Cuckoos. Psittacidæ—Parrots. Bubonidæ—Owls. Strigidæ—Barn Owls. Pandionidæ—Ospreys. Buteonidæ—Hawks, Kites, Eagles and Vultures. Falconidæ—Falcons. Columbidae—Pigeons or doves. Cracidæ—Curassows. Pedicidæ—Partridges and Quails. Tetraonidæ—Grouse. Meleagridæ—Turkeys. Opistocomidæ—Hoatzins. Cathartidæ—American Vultures. Phaethontidæ—Tropic Birds. Fregatidæ—Man-of-War Anhnigidæ—Anhingas. Phalacrocoracidæ—Cormorants. Sulidæ—Gannets. Pelcaenidæ—Pelicans. Ardeidæ—Herons. Cochleariidæ—Boatbills. Ciconiidæ—Storks. Plataleidæ—Spoonbills. Ibididæ—Ibises. Phoenicopteridæ—Flamingoes. Anatidæ—Ducks, Geese.

Exhibit  
No.

and Swans. Anhimidæ—Screamers. Rallidæ—Rails. Aramidæ—  
Courlans. Gruidæ—Cranes. Psophiidæ—Trumpeters. Cariamidæ—  
Cariamias. Eurypgidæ—Sun Bitterns. Œdicnemidæ—Thick-knees.  
Recurvirostridæ—Avocets and Stilts. Phalaropidæ—Phalaropes.  
Scolopacidæ—Snipes. Jacanidæ—Jacanus. Hæmatopodidæ—Oyster-  
catchers. Aphriziidæ—Turnstones. Charadriidæ—Plovers. Thin-  
ocoridæ—Partridge-plovers. Chionidæ—Sheathbills. Pelecanoididæ—  
Diving Petrels. Procellariidæ—Petrels. Diomedeidæ—Albatrosses.  
Laridæ—Gulls and Terns. Rynchopidæ—Skimmers. Stercorariidæ—  
Skuas. Alcidae—Auks. Urinatoridæ—Loons. Heliornithidæ—Sun  
Grebes. Colymbidæ—Grebes. Spheniscidæ—Penguins. Tinamidæ  
—Tinamons. Rheidæ—Rheas.

194. A Collection of Humming Birds comprising species of sixty-four genera.

195. A Collection of Birds of Paradise, embracing the following species:

Incomparable Bird of Paradise—*Astrapia nigra*. Spotted Bower Bird—  
*Chlamydera maculata*. Greater Bower Bird—*Chlamydera nuchalis*.  
King Bird of Paradise—*Cicinnurus regius*. Magnificent Bird of Par-  
adise—*Diphyllodes magnifica*. D'Alberty's Bird of Paradise—*Dre-  
panornis albertisi*. Grand Promerops—*Epimachus speciosus*. Superb  
Bird of Paradise—*Lophorina superba*. Black Bird of Paradise—  
*Manucodia atra*. Caruncled Bird of Paradise—*Paradigalla caruncu-  
lata*. Greater Bird of Paradise—*Paradisea apoda*. Empress Augusta  
Victoria's Bird of Paradise—*Paradisea augusta-victoriae*. Lesser  
Bird of Paradise—*Paradisea minor*. Raggi's Bird of Paradise—*Para-  
disea raggiana*. Red Bird of Paradise—*Paradisea sanguinea*. Six-  
wired Bird of Paradise—*Parotia sefilata*. Gould's Bird of Paradise—  
*Phonygama gouldi*. Satin Bower Bird—*Ptilonorhynchus violaceus*.  
Prince Albert's Rifle Bird—*Ptilorhis alberti*. Magnificent Rifle Bird—  
*Ptilorhis magnifica*. Rifle Bird—*Ptilorhis paradisea*. Wilson's Bird  
of Paradise—*Schlegelia wilsoni*. Twelve-wired Bird of Paradise—  
*Seleucides nigra*. Wallace's Standard Wing—*Semioptera wallacei*.  
Regent Bird—*Sericulus melinus*. Fiery Bird of Paradise—*Zanthom-  
elas ardens*.

196. A collection of Game Birds, including representatives of the following families:

Ducks, Geese and Swans—Anatidæ. Plovers—Charadriidæ. Pigeons  
and Doves—Columbidæ. Curassows—Cacatidæ. Crowned Pigeons—  
Gouridæ. Mound Fowls—Megapodidæ. Turkeys—Meleagridæ.  
Guinea Fowls—Numididæ. Bustards—Otididæ. Partridges and Quails.  
—Perdicidæ. Pheasants—Phasianidæ. Rails—Rallidæ. Snipe—Sco-  
lopacidæ. Grouse—Tetraonidæ. Tinamous—Tinamidæ.

197. A Collection illustrating the confusion caused by the application of the  
same popular name to different species of birds. The following  
birds are represented:

Bee Bird, Buzzard, Chimney Swallow, Goldfinch, Jacksnipe, Martin,

Exhibit  
No.

Oortolan, Pheasant, Redstart, Robin, Screech Owl, Tree Sparrow, Woodcock, Blackbird, Carrion Crow, Coot, Jackdaw, Kingfisher, Oriole, Partridge, Quail, Redwing, Rook, Sparrow Hawk, Turtle Dove, Yellowhammer.

**Special groups, with artistic accessories, as follows:**

North American species approaching extinction:

- 198. Carolina Paroquet.
- 199. Ivory Billed Woodpecker.
- 200. Passenger Pigeon.  
To illustrate protective coloration:
- 201. Ptarmigans in Summer.
- 202. Ptarmigans in Winter.  
To illustrate remarkable habits:
- 203. Swallow-tailed Kite, feeding.
- 204. Carolina Paroquets, roosting.
- 205. California Woodpeckers and their store house.
- 206. Jacanas, walking on lily-pads.
- 207. Prairie chickens courting.
- 208. Flamingoes and their nests.
- 209. Bower Birds and their play house.
- 210. Crocodile Birds and crocodile.
- 211. Lyre Birds and dancing mound of the male.
- 212. Butcher birds and their larder.

**REPTILES AND BATRACHIANS.**

- 213. A systematic series of alcoholic specimens, representing the following families of American Reptiles and Batrachians.

**Reptiles.**

Crocodiles—family Crocodylidae.

Tortoises—families Chelydridae, Kinosternidae, Testudinidae, Emydidae, Cheloniidae, Dermochelydidae and Trionychidae.

Lizards—families Eublepharidae, Gekkonidae, Anolidae, Iguanidae, Helodermatidae, Anguidae, Anniellidae, Xantusiidae, Teiidae, Scincidae, Bipedidae, Amphisbaenidae.

Snakes—families Typhlopidae, Leptotyphlopidae, Ilysiidae, Boidae, Charinidae, Natricidae, Nothopsidae, Amblycephalidae, Boigidae, Elapidae, Hydrophidae, Crotalidae.

**Batrachians.**

Salamanders—families Proteidae, Cryptobranchidae, Ambystomatidae.

Plethodontidae, Desmognathidae, Salamandridae, Amphiumidae.

Cæcilians—family Cæciliidae.

Sirens—family Sirenidae.

Toads and Frogs—families Bufonidae, Pelobatidae, Hylidae, Cystignathidae, Engystomatidae, Dendrobatidae, Ranidae.

Exhibit  
No.

214. A group of North American turtles, showing the more prominent types in their natural surroundings.
215. A group of North American poisonous snakes, showing the various forms of dangerous snakes in their natural surroundings.
216. Cast of a Jamaica Boa, representing a type of the arboreal, non-poisonous American snakes.

### FISHES.

217. A systematic series of fishes in alcohol, representing the American families, as follows:

Orthogoriscidæ—The Ocean Sun-fishes. Tetrodontidæ—The Swell-fishes. Diodontidæ—The Porcupine-fishes. Ostracionidæ—The Trunk-fishes. Balistidæ—The Trigger-fishes. Hippocampidæ—The Sea-horses. Syngnathidæ—The Pipe-fishes. Malthidæ—The Bat-fishes. Lophiidæ—The Anglers. Ceratiidæ—The Small Anglers. Antennariidæ—The Frog-fishes. Soleidæ—The Soles. Pleuronectidæ—The Flounders. Macruridæ—The Grenadiers. Fierasferidæ—The Fierasfers. Ophiidæ.—The Donzellas. Brotulidæ—The Brotulids. Gadidæ—The Cod-fishes. Merlucidæ—The Whittings. Lycodidæ—The Eel Pouts. Ammodytidæ—The Sand Lances. Cryptacanthidæ—The Wry-mouths. Stichiidæ—The Eel Blennies. Xiphidiontidæ—The Butter Eels. Anarrhichadidæ—The Wolf Fishes. Cebedichthyidæ—The Monkey Blennies. Blenniidæ—The Blennies. Opisthognathidæ—The Big-eyed Blennies. Bathachidæ—The Pad-fishes. Leptoscopidæ—The Small Star-gazers. Uranoscopidæ—The Star-gazers. Bathymasteridæ—The Ronquils. Chiasmodontidæ—The Great Swallowers. Thichodontidæ—The Sand-fishes. Gobiocidæ—The Clinging Gobies. Liparididæ—The Sea Snails. Cyclopteridæ—The Lump-fishes. Callionymidæ—The Dragonets. Gobiidæ—The Gobies. Triglidæ—The Gurnards. Agonidæ—The Alligator-fishes. Cottidæ—The Sculpins. Hemitriptidæ—The Sea Ravens. Scorpenidæ—The Rock-fishes. Chiridæ—The Chiroids. Scaridæ—The Parrot-fishes. Labridæ—The Wrasses. Pomacentridæ—The Demoiselles. Cichlidæ—The Cichlids. Embiotocidæ—The Viviparous Perches. Gerridæ—The Moharras. Polynemidæ—The Thread-fins. Acanthuridæ—The Surgeons. Chaetodontidæ—The Bristle-toothed Fishes. Ephippidæ—The Angel-fishes. Xiphiidæ—The Sword-fishes. Trichuridæ—The Cutlass-fishes. Scombridæ—The Mackerels. Carangidæ—The Pompanoes. Coryphaenidæ—The Dolphins. Stromateidæ—The Butter-fishes. Pempheridæ—The Pempherids. Zenidæ—The Dories. Bramidæ—The Hen-fishes. Nomeidæ—The Nomeids. Latilidæ—The Blanquillos. Mullidæ—The Sar-mullets. Holocentridæ—The Squirrel-fishes. Berycidæ—The Berycoids. Scænenidæ—The Weak fishes. Sparidæ—The Sea Breams. Pimlepteridæ—The Rudder-fishes. Pristipomatidæ—The Grunters. Centrarchidæ—The Sun-fishes. Elasmomatidæ—The Elasmomes. Serranidæ—The Sea Basses. Percidæ—The Perches. Apogonidæ—The Coral Fishes. Centropomidæ—The Sergeant Fishes

Exhibit  
No.

Pomatomidæ—The Blue-fish. Elacatidæ—The Crab-eaters. Priacanthidæ—The Big-eyes. Aphredoderidæ—The Pirate Perches. Sphyrænidæ—The Barracudas. Echeneididæ—The Remoras. Trachypteridæ—King-of-the-Herrings. Atherinidæ—The Silversides. Mugillidæ—The Mulletts. Gasterosteidæ—The Stickle-backs. Aulorhynchidæ—The Flute-mouths. Fistulariidæ—The Trumpet-fishes. Centriscidæ—The Snipe-fishes. Belonidæ—The Silver Gars. Exocoetidæ—The Flying Fishes. Amblyopsidæ—The Cane Fishes. Luciidæ (Esocidæ)—The Pikes. Umbridæ—The Mud-minnows. Dallidæ—Alaskan Black-fishes. Cyprinodontidæ—The Toothed Minnows. Characinidæ—The Characins. Percopsidæ—The Trout Perches. Halosauridæ—The Halosaurids. Chauliodontidæ—The Viper Fishes. Steronptychidæ—The Hatchet-fishes. Stomiatidæ—The Stomiatoids. Scopelidæ—The Luminous Fishes. Synodontidæ—The Lizard-fishes. Argentinidæ—The Smelts. Salmonidæ—The Salmon and Trout. Alepidosauridæ—The Handsaw Fishes. Alepocephalidæ—The Alepocephalids. Hiodontidæ—The Moon-eyes. Albulidæ—The Lady-fishes. Elopidae—Big-eyed Herrings. Chanidæ—The Milk Fishes. Clupeidæ—The Herrings. Dorosomidæ—The Gizzard Shad. Engraulidæ—The Anchovies. Catostomidæ—The Suckers. Cyprinidæ—The Minnows. Sternopygidæ—The Electric Cat-fishes. Gymnotidæ—The Electric Eel. Siluridæ—The Cat-fishes. Loricariidæ—The Mailed Cat-fishes. Symbranchidæ—The Symbranchids. Congridæ—The Conger Eels. Anguillidæ—The Eels. Muraenidæ—The Morays. Nemichthyidæ—The Snipe Eels. Synphobranchidæ—The Synphobranch Eels. Simenchelyidæ—The Pugnosed Eels. Saccopharyngidæ—The Gulpers. Eurypharyngidæ—The Pelican Fishes. Notacanthidæ—The Spring Eels. Amiidæ—The Bow Fins. Lepidosteidæ—The Gar Pikes. Polyodontidæ—The Paddle-fishes. Acipenseidæ—The Sturgeons. Chimaeridæ—The Chimæras. Myliobatidæ—The Eagle Rays. Trygonidæ—The Sting Rays. Torpedinidæ—The Torpedos. Raiidæ—The Skates. Pristidæ—The Saw-fishes. Squatinidæ—The Angel Sharks. Heterodontidæ—The Port Jackson Sharks. Alopeciidæ—The Thresher Shark. Sphyrnidæ—The Hammer-headed Sharks. Galeorhinidæ—The True Sharks. Spinacidæ—The Dog Sharks. Scymnidæ—The Sleeper Sharks. Petromyzontidæ—The Lampreys. Myxinidæ—The Hag-fishes. Branchiostomatidæ—The Lancelets.

## INSECTS.

218. A systematic series, representing the families of American insects.

## SUB-KINGDOM ARTHROPODA.

## I. Class Pseudarachnida.

## Order Pentastomida—Pentastomes.

## Pentastomidæ.

Exhibit  
No.

**Order Tardigrada—Water-bears.**

Arctiscidæ.

**II. Class Acaroida.**

**Order Acarina—Mites and Ticks.**

Acaridæ. Trombididæ. Oribatidæ. Gamasidæ. Hydrachnidæ. Bdellidæ.  
Eschatocephalidæ. Argasidæ. Hæmalastoridæ. Ixodidæ. Rhipis-  
tomidæ.

**III. Class Antarachnida.**

**Order Araneæ—The Spiders.**

Calommatidæ. Theraphosidæ. Hypochilidæ. Filistatidæ. Dysderidæ.  
Scytodidæ. Pholcidæ. Drassidæ. Dytinidæ. Urocteidæ. Clubionidæ.  
Catadysidæ. Agalenidæ. Dinopidæ. Prodidomidæ. Theridiidæ.  
Epeiridæ. Tetragnathidæ. Uloboridæ. Thomisidæ. Sparassidæ.  
Lycosidæ. Oxyopidæ. Podophthalmidæ. Ctenidæ. Attidæ.

**Order Pedipalpi—Whip Scorpions.**

Phrynidæ. Thelyphonidæ. Schizonotidæ.

**Order Scorpiones—Scorpions.**

Androctonidæ. Pandinidæ. Bothriuridæ.

**Order Chelonethi—Pseudo-scorpions.**

Cheliferidæ.

**Order Solifugæ—Solpugida.**

Galeodidæ.

**Order Opiliones—Harvest Spiders.**

Phalangidæ. Nemastigidæ. Cosmetidæ. Gonyleptidæ. Sironidæ.  
Trogludæ. Ischyropsalidæ.

**IV. Class Malacopoda.**

Peripatidæ.

**V. Class Meyriopoda.**

**Order Diplopoda—Galley Worms.**

Polyzonidæ. Julidæ. Lysioptelidæ. Polydesmidæ. Chordeumidæ.  
Glomeridæ. Polyxemidæ.

**Order Pauropoda.**

Euryapauropodidæ. Pauropodidæ.

**Order Chilopoda—Centipedes.**

Geophilidæ. Scolopendridæ. Lithobiidæ. Scentigeridæ.

**VI. Class Insecta.**

**Order Thysanura—Bristle Tails.**

Scolopendrellæ. Japygidæ. Campodæidæ. Lepismatidæ. Papiidæ.  
Sminthuridæ. Entomobryidæ. Poduridæ. Lipuridæ. Anouridæ.

**Order Ephemeroptera—May Flies—Dragon Flies.**

Ephemeridæ.

**Order Odonata—Dragon Flies.**

Libellulidæ.

**Order Plecoptera—Stone Flies.**

Perlidæ.

Exhibit  
No.

**Order Phlebotomera—Biting Lice and White Ants.**

Mallophagidæ. Psocidæ. Embidæ. Termitidæ.

**Order Dermaptera—Ear-wigs.**

Forficulidæ.

**Order Orthoptera.**

Blattidæ—The Roaches. Mantidæ—The Rear-horses. Phasmodæ—Walking-sticks. Acrididæ—The Short-horned grasshopper. Locustidæ—The Katyids and meadow grasshoppers. Gryllidæ—The Crickets.

**Thysanoptera—Thrips.**

Tubuliferidæ. Stenopteridæ. Coleoptridæ.

**Order Hemiptera—Bugs.**

Pediculidæ—The Sucking lice. Coccidæ—The Scale insects. Aleyrodidæ Aphididæ—The Plant-lice. Psyllidæ—The Jumping plant-lice. Mombracidæ—The Tree hoppers. Cicadidæ—Harvest flies. Fulgocidæ—The Lantern flies. Cercopidæ—The Frog-hoppers. Jassidæ—The Leaf-hoppers. Coccidæ—The Water boatmen. Notonectidæ—The Back swimmers. Nepidæ—The Water-scorpions. Belostomatidæ—The Giant Water-bugs. Naucoridæ. Galguldæ. Saldidæ. Veliidæ. Hydrobatidæ—Water-striders. Limnobatidæ. Emesidæ. Reduviidæ. Nabidæ. Phymatidæ. Aradidæ. Tingitidæ. Acanthiidæ. Capsidæ. Pyrrhocoridæ. Lygaeidæ. Berytidæ. Coreidæ. Pentatomidæ. Cydnidæ. Corimelaenidæ. Scutelleridæ.

**Order Neuroptera—Lace Wings.**

Sialidæ. Hemerobiidæ.

**Order Mecoptera—Scorpion Flies.**

Panorpidæ.

**Order Trichoptera—Caddis Flies.**

Phryganidæ. Limnophidæ. Sericostomatidæ. Leptoceridæ. Hydroptichidæ. Rhyacophilidæ. Hydroptilidæ.

**Order Coleoptera—Beetles.**

Anthribidæ. Scolytidæ—Bark-beetles. Calandridæ. Brentidæ. Curculionidæ—Typical weevils. Otiorynchidæ. Byrrhidæ. Attelabidæ. Rhynchitidæ. Belidæ. Rhinomaceridæ. Stylopidæ. Rhipiphoridæ. Meloidæ—Blister beetles. Pyrochroidæ. Anthicidæ. Mordellidæ. Cephaloidæ. Edemeridæ. Nilonidæ. Pythidæ. Melandryidæ. Menommidæ. Lagriidæ. Othnidæ. Cistelidæ. Agalinitidæ. Senebrionidæ. Bruchidæ—Pea-weevils. Chrysomelidæ—Leaf-beetles. Cerambycidæ—Capricorn beetles. Spondylidæ. Scarabæidæ. Lucanidæ—Stag-beetles. Sphindidæ. Cioidæ. Lymexylidæ—Timber beetles. Cupesidæ. Ptinidæ. Cleridæ. Malachidæ. Lampyridæ—Fire-flies. Buprestidæ. Shroscidæ. Elateridæ—The Click beetles. Rhipiceridæ. Dascyllidæ. Heteroceridæ. Parnidæ. Georyssidæ. Byrrhidæ—Pill-beetles. Derodontidæ. Monotonidæ. Trogositidæ. Latridiidæ. Nitidulidæ. Histeridæ. Dermestidæ. Mycetophagidæ. Cryptophagi-

Exhibit  
No.

dæ. Cucujidæ Hypocephalidæ. Rhyssodidæ. Colydiidæ. Erotylidæ. Endomychidæ—Fungus beetles. Coccinellidæ—The Lady-birds. Corylophidæ. Phalacridæ. Scaphidiidæ. Sphæridæ. Hydroscaphidæ. Trichopterygidæ. Staphylinidæ—The Rove beetles. Psalaphidæ. Gnostidæ. Scydmaenidæ. Silphidæ—Carion beetles. Leptinidæ. Rodent parasites. Platypsyllidæ—Beaver parasites. Hydrophilidæ. Gyrinidæ—Whirligig beetles. Dytiscidæ—Diving beetles. Halplidæ. Amphizoidæ. Carabidæ—Ground beetles. Cicadellidæ—The Tiger-beetles.

**Order Siphonaptera—Fleas.**

Pulicidæ.

**Order Diptera—Flies.**

Braulidæ—Bee-lice. Nycteribidæ—Bat-lice. Hippoboscidæ. Phoridæ. Asteidæ. Phytomyzidæ. Agromyzidæ. Oscinidæ. Drosophilidæ. Geomyzidæ. Ephydridæ. Diopsidæ. Piophilidæ. Sepsidæ. Opomyzidæ. Heteroneuridæ. Phycodromidæ. Sapromyzidæ. Lonchæidæ. Trypetidæ. Ortalidæ. Micropezidæ. Psilidæ. Sciomyzidæ. Helomyzidæ. Cordyluridæ. Anthomyidæ. Muscidæ. Sarcophagidæ. Dexidæ. Estridæ—Bot-flies. Platypezidæ. Pipunculidæ. Conopidæ. Syrphidæ—Flower-flies. Lonchopteridæ. Dolichopodidæ. Empidæ. Cyrtidæ. Scenopinidæ. Therevidæ. Bombylidæ—Bee-flies. Nemes-trinidæ. Midasidæ—Robber-flies. Asilidæ—Robber-flies. Apioceridæ. Leptidæ. Tabanidæ—Horse-flies. Acanthomeridæ. Stratyomyidæ. Coenomyidæ. Xylophagidæ. Rhyphidæ. Dixidæ—Crane-flies. Pipulidæ—Crane-flies. Psychodidæ. Orphnephelidæ. Chironomidæ. Culicidæ. Mosquitoes. Blepharoceridæ. Bibionidæ. Simulidæ—Gnats. Mycetophilidæ. Cecidomyidæ—Midges.

**Order Lepidoptera—Butterflies and Moths.**

Micropterygidæ. Nepticulidæ. Lyonetiidæ. Lithocolletidæ. Elachistidæ. Lavernidæ. Coleophoridæ—Case bearers. Gracilariidæ. Glyphipterygidæ. Gelechiidæ. Chimabacchidæ. Pleutellidæ. Prodoxidæ—Yucca moths. Hyponomeutidæ. Acrolepidæ. Adefidæ. Tineidæ. Taleporidæ. Anaphoridæ. Choreutidæ. Grapholitidæ. Conchylidæ. Tortricidæ—Bell moths. Orneodidæ—Plume moths. Pterophoridæ—Plume moths. Crambidæ—Snout moths. Galleriidæ—Bee-moths. Phyciudæ—Knot-horns. Pyralidæ. Pyraustidæ. Geometridæ—Measuring worms. Brepheidæ. Noctuidæ—Owlet-moths. Thyatiridæ. Hepialidæ—Ghost-moths. Cossidæ. Lasiocampidæ. Bombycidæ—Silkworm-moths. Clistocampidæ. Hemileucidæ. Ceratocampidæ. Saturniidæ—American silkworm-moths. Platypterygidæ. Lacosomidæ. Notodontidæ. Psychidæ—Bag-worms. Limacodidæ. Lagoidæ. Liparidæ. Arctidæ. Nyctemeridæ. Cyllopodidæ. Dioptidæ. Lithosiidæ. Nycteolidæ. Heterogynidæ. Pericopidæ. Ctenuchidæ. Pyromorphidæ. Syn-tomidæ. Agaristidæ. Thyridæ. Zygenidæ. Uraniidæ. Cast

Exhibit  
No.

Sesiidæ. Sphingidæ—Hawk-moths. Hesperidæ—Skipper-Butterflies. Papilionidæ. Lycænidæ—Blues, Coppers and Hair-streaks. Erycinidæ. Nymphalidæ—The Brush-footed butterflies.

#### Order Hymenoptera—Bees, Wasps and Ants.

Tenthredinidæ—Saw-flies. Uroceridæ. Oryssidæ. Cephidæ. Cynipidæ—Gall-wasps. Evaniidæ. Trigonalidæ. Ichneumonidæ—Ichneumon-flies. Stephanidæ. Braconidæ. Chalcididæ. Mymaridæ. Proctotrypidæ. Pelecinidæ. Chrysididæ—Cuckoo bees. Formicidæ—Ants. Odontomachidæ. Dorylidæ. Poneridæ. Myrmicidæ. Mutillidæ. Thynnidæ. Scoliidæ—Digging wasps. Sapygidæ. Pompilidæ. Sphecidæ. Ampulicidæ. Larridæ. Bembecidæ. Nyssonidæ. Philanthidæ. Mimesidæ. Mellinidæ. Pemphredonidæ. Crabronidæ. Masaridæ—Solitary wasps. Eumenidæ—Solitary wasps and mud wasps. Vespidæ—Social Wasps and Hornets. Andrenidæ—Solitary bees. Apidæ—Bees.

#### INVERTEBRATES.

A synoptic series, showing by means of specimens, models, drawings and explanatory labels, important forms and anatomical details of the orders of invertebrates, contained in the groups Protozoa, Porifera, Cœlentera, Vermes and Echinodermata.

#### 219. Marine Invertebrates.

A systematic series of specimens of marine invertebrates in alcohol, including representatives of the following classes:

Spongia—Sponges. Anthozoa—Coral Polyps. Polygymedusæ—Hydrozoa. Crinoidea—Sea Lilies. Asteroidea—Star Fishes. Echinoidea—Sea Urchins. Holothuroidea—Sea Cucumbers. Annelida—Worms. Crustacea—Crabs, Shrimps, etc. Brachyzoa—Moss Animals. Tethyodea—Ascidians. Arachnida—Sea Spiders.

220. A collection of marine invertebrates in alcohol, from the Bay of Naples, received from the Naples Zoological Station.

221. Mediterranean Octopus—A group, with accessories, representing the Octopus in its natural surroundings.

#### Comparative Anatomy and Related Subjects.

The exhibit includes seven series of specimens as follows:

#### Homologies of the principal bones in the various classes of vertebrates.

General Homologies.

222. Mounted skeletons of man and horse with corresponding bones labeled.

223. Mounted and disarticulated skeletons of cat, crow, turtle, lizard, frog and fish, with principal bones labeled.

Homologies of principal bones of the skull.

224. Crania of sturgeon, gar pike, grouper, menpoma, frog, boa constrictor, turtle, alligator, penguin, goat and puma, with corresponding bones colored alike.

Homologies of bones of the extremities.

# SMITHSONIAN INSTITUTION AND NATIONAL MUSEUM 153

## Exhibit

- No.
225. Fore and hind limb of grouper, sea turtle, alligator, eagle and dog with corresponding bones bearing similar numbers.
226. Manus and pes of horse, camel, bison, moose, tapir, bear, lion and seal with corresponding bones numbered alike.  
Modifications of the limbs for locomotion.
227. Extremities of fish, sea turtle, manatee, cormorant, great auk, sloth, bat, monkey and man.  
Location, structure and growth of teeth.
228. Series of crania, teeth, and sections of teeth.  
Structure and growth of horns.
229. Series of horns and sections of horns of solid and hollow horned animals.  
Structure of the long bones.
230. Series of bones bisected to show the solid or hollow character of the long bones of various animals.  
Structural variations of domestic animals.
231. Skulls of various breeds of dogs showing cranial variation.
232. Skeletons of several breeds of dogs showing differences of size and proportion.  
Anatomy, Embryology and variation of the domestic fowl.  
Embryology.
233. Model showing genital organs of hen.
234. Sixteen models showing various stages in the development of the chick.  
Anatomy.
235. Skeletons of two breeds of domestic fowl.
236. Model showing muscles, blood vessels and viscera of fowl.  
Variation.
237. Specimens of wild jungle fowl.
238. Specimens showing a few of the variations in size and color of modern breeds of the fowl.
239. A series of specimens and models representing the chemical elements and compounds of the human body.

## MISCELLANEOUS ZOOLOGICAL EXHIBITS.

240. Variation under domestication as illustrated by the domestic pigeon, being a group of thirty-four specimens, including the Wild Rock Pigeon, and examples of the principal breeds of domestic pigeons, as follows:  
**Pouters.**  
Red Pouter. Blue Pouter. Isabella Pouter.  
**Carriers.**  
Black Barb. Dun Carrier. Blue Rock Carrier.  
**Tumblers.**  
Booted, white English Fantail. Blue-tailed Turbit. Yellow-winged Turbit. Yellow, shell-crested Turbit. White Owl. Turbiter. Black Tumbler. Red Parlor Tumbler. Black Bald Tumbler. Black Jacobin. Bluet. Satinette.

Exhibit  
No.**Trumpeters.**

Common Pigeons. Homing Pigeons. Red-winged Swallow. Barred, blue-winged Swallow. Nun. Helmet. Archangel. Ice Pigeon. Black Magpie. Yellow Magpie. Russian Trumpeter.

**241. Breeds of the domestic fowl.****American breeds.**

Plymouth Rock cock and hen. Black Java cock and hen. Silver Wyandotte cock and hen. Jersey Blue cock and hen.

**Asiatic breeds.**

Light Brahma, cock and hen. Black Langshan, cock and hen. Partridge Cochins, hen. White Cochins, cockerel.

**English breeds.**

Silver Grey Dorking, cock and hen. White Dorking, cock and hen. Hamburgs.

Silver Spangled Hamburg, cock and hen.

**French breeds. La Fleche, cock and hen.**

**Games.** Red Pile Exhibition, game cock and hen. Maroon game cock.

**Domesticated Mammals.**

The exhibit includes examples of one or more races of the following domesticated mammals:

**242.****Dogs.****243.****Cats.****244.****Mangooses.****245.****Genets.****246.****Sheep.****247.****Goats.****248.****Cattle (Zebu, domestic buffalo and ak).****249.****Guinea pigs.****250.****Rabbits.****ANIMAL PRODUCTS.**

This collection is intended to illustrate the utilization of the various parts of the different animals, and the uses of substances derived from the animal kingdom in the arts and industries. It includes the following:

**251. Collections** showing the utilization of hair, wool, bristles, etc.

**252. Feathers,** quills and their uses.

**253. Fish scales** and articles made from them.

**254. Tortoise shell** and its manufacture.

**255. Furs** of various kinds.

**256. Collection of leathers** (including a loan collection of fancy leathers belonging to Tiffany & Co., New York).

**257. Horns and antlers** and articles made from them.

**258. Hoofs and claws.**

**259. Teeth of various kinds** and collections illustrating the uses of different kinds of ivory.

Exhibit  
No.

- 260. **Whalebone and its utilization.**
- 261. **Bone and objects made from same.**
- 262. **Shell, coral and objects made from same.**
- 263. **Intestines and their utilization.**

## PHYSICAL GEOLOGY.

The exhibit illustrates three classes of Geological phenomena, and is arranged in the following manner:

### I.—Vulcanology.

- 264. **Map of the world showing in red the distribution of active and recently extinct volcanoes; compiled mainly from Neumayer's *Erdegeschichte*.**
- 265. **Geological map of the United States showing in red the areal distribution of recent volcanic rocks (and hence of recent volcanoes) in the United States; compiled by Prof. C. H. Hitchcock, in 1886, and published in the Transactions of the American Institute of Mining Engineers.**
- 266. **A model of the Ice Spring Craters, a group of recently extinct volcanoes near Fillmore, Utah, modeled from surveys made under the United States Geological Survey; scale, 100 feet=1 inch; horizontal and vertical the same; size of model 5 feet square.**
- 267. **A large series of photographs showing characteristic volcanic phenomena as below:**
  - Two enlarged views of the volcano on Bogoslof Island, Bering Sea.
  - A series of views of Bogoslof, and Mounts Shishaldin and Makushia in Alaska.
  - A series of views of Hawaiian volcanoes and lava flows.
  - A series of views of Vesuvius, Italy, and the volcanoes of the adjacent islands; including Stromboli, Etna and Vulcano in various stages of volcanic activity.
  - Views of a recent volcanic cone and lava fields near Snag Lake, California.
  - Three views of the grand volcanic neck known as Mato Teepee, Bear Dodge, or the Devil's Tower in Wyoming.
  - Views of Columnar volcanic rocks in the Yellowstone National Park; near Orange, New Jersey, and Bonn, Prussia.
  - Views of geysers and hot springs in the Yellowstone National Park.
- 268. **A series of specimens of volcanic products in characteristic forms, as lavas, fragmental ejectamenta and sublimation products, as follows:\***
  - Columnar basalt, Bonn, Prussia, and the Giant's Causeway.
  - Slaggy and glassy lava, Hawaiian Islands and Yellowstone National Park.

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\*These collections in the cases are accompanied, whenever possible, by photographs of the immediate regions from which they were collected.

Exhibit  
No.

Pumiceous and glassy lavas (obsidians), Yellowstone National Park and the Mono craters, California.

Vesicular lava, near Flagstaff, Arizona.

Lava showing the *aa*, *pahoehoe*, and other structures dependent upon their varying degrees of viscosity; lava stalactites and dribble cones from the Hawaiian Islands.

Volcanic bombs from Lipari, Etna, the extinct volcanoes of Mt. Trumbull and Sunset Peak, Arizona.

Lapilli from Ice Springs Buttes, in Utah, and Sunset Peak, Arizona.

Sand and rock fragments, ash, etc., from Bogoslof Island.

Fine pumiceous dust from beds in Montana and Nebraska.

A series comprising forty hand specimens illustrating the various kinds of lavas, and also two large specimens of polished paleozoic lava (felsite) from eastern Massachusetts.

Volcanic sublimation products, including sulphur, ammonium chloride and iron oxides from various American and foreign sources.

Siliceous and calcareous sinters from the geysers and hot springs of the Yellowstone National park, and travertines from extinct hot springs in Arizona.

The possible economy of volcanoes is illustrated in the sulphur and other sublimation products, pozzuolani (a natural concrete) building stone, and the beautiful "onyx marbles" or travertines.

## II.—Glaciers and Glacial Phenomena.

269. Views illustrating living glaciers and icebergs.

270. Relief map of the United States showing the theoretical restoration of the ancient ice sheet at the stage of the glacial period following the main silt epoch.

271. A large series of photographs and other illustrations showing characteristic glacial phenomena, as below:

Views of glacial deposits, as moraines, drumlins and kames.

Views of large drift boulders the source of which has been traced with approximate accuracy.

Views of glaciated rock surfaces.

272. Actual specimens illustrating the transporting and eroding power of glaciers, as:

Specimens of glacial clays, sands and drift boulders. Of particular interest in this series are boulders taken from various altitudes in the White and Catskill mountains, and boulders of peridotite and other rocks in Rhode Island, Ohio and Illinois, the original source of which is known, with approximate accuracy.

Scratched and scarred boulders from glacial till.

Scratched and scarred boulders from still existing glaciers.

Glacial flour.

Slabs of stone, grooved, scratched or polished by glacial action.

Exhibit  
No.

273. **Glacial pot-hole from Wiscasset, Maine.**

The possible economy of glacial products as shown in the utilization of glacial boulders for building, and the glacial clays for brick making.

274. **The destructive effects of glaciation, as illustrated by fields covered by drift boulders and other glacial debris; the stripping of the surface of soils, and the burial of forests. Shown by photographs only.**

III.—Limestone Caverns and Associated Phenomena.

274a. **Actual plans and sections of Howe's Cave, New York; the Luray Caves, Virginia; Mammoth Cave, Kentucky, and Wyandotte Cave, Indiana.**

275. **A series of photographs showing cave interiors, as follows:** Howes Cave, New York; The Luray Caves, Virginia; The Grottoes, Virginia; Mammoth Cave Kentucky and Wyandotte and Marengo Caves, Indiana.

276. **A large series of cave deposits as below. Many of the stalactites and stalagmites being cut and polished to show structure.**

Stalactites and stalagmites from the Luray Caves and the Grottoes, in Virginia.

Gypsum rosettes and encrustations, from Mammoth Cave, Kentucky.

Gypsum encrustations and rosettes; epsom salt, stalactites and stalagmites, from Wyandotte, Indiana.

Stalactites and stalagmites, from Marengo, Indiana.

Stalactites and stalagmites, from the Percy and Robertson Caves, near Springfield, Missouri.

Botryoidal stalactitic masses, from caves in the Organ Mountains, New Mexico.

Stalactites from the Copper Queen Mines, in Arizona.

Large translucent selenite crystals, from a cave in Wayne County, Utah.

The possible economy of cave products is shown by cut, turned and polished blocks of cave marble (stalagmite); nitrous earth, from Mammoth Cave, Kentucky, together with a small viol of calcium nitrate extracted from the same by leaching.

A series of specimens in alcohol, illustrating the fauna of caves.

A small series of photographs, bone breccia and flint chips, illustrating the occupancy of caves by human being.

A section of a cave, some 2x4 feet by 2½ feet high, constructed from materials collected in Marengo, Indiana, the materials occupying their original positions, as taken from the cave.

**MINERALS.**

The exhibit consists of Minerals, Gems and Semi-precious stones, illustrating the principles of crystallography and those physical properties of minerals which apply to the eye.

277. **Crystallography and the Physical Properties of Minerals.**

A series of crystallized minerals (with the principal forms in models of wood) to illustrate Crystal Form.

STATEMENT EXHIBIT.

... of Crystals.  
... Lustre.  
... of the stones, etc.

of their intrinsic value.  
TREASURES STORES.

# UNITED STATES FISH COMMISSION.

## SCIENTIFIC INQUIRY SECTION.

Exhibit  
No.

### 1. Laboratories for Marine Exploration.

#### *Illustrations of Zoological Stations—*

1. Laboratory at Wood's Holl, Mass., 1875.
2. Laboratory at Wood's Holl, Mass.

### 2. Exploring Vessels.

#### *Models—*

1. Steamer "Albatross."
2. Steamer "Fish-Hawk."
3. Schooner "Grampus."

#### *Illustrations—*

1. Steamer "Albatross."
2. Steamer "Fish-Hawk."
3. Schooner "Grampus."

### 3. Collecting Apparatus.

#### *Nets—*

1. Seines.
2. Beam trawls.
3. Towing nets.

#### *Dredges—*

1. Naturalist's deep-sea dredge.
2. Naturalist's boat dredge.
3. Benedict rake dredge.
4. Oyster dredge.

#### *Tangles—*

### 4. Accessories for Dredging and Trawling.

#### *Dredge Rope—*

1. Steel wire dredge rope. Splices in dredge rope.

#### *Iron Dredge Block.*

#### *Sigsbee Accumulator.*

#### *Weights for Beam Trawl.*

### 5. Apparatus for Assorting Collections.

#### *Sieves—*

1. Rocker sieves.
2. Table sieves.
3. Hand sieves.

Exhibit  
No.

## 6. Apparatus for Preserving Collections.

*Tanks—*

## 7. Apparatus for Deep Sea Sounding.

*Sounding Machine—*

1. Sigsbee sounding machine (model).

## 8. Apparatus for Physical Observations.

*Thermometers—*

1. Deck thermometer.
2. Prof. Baird's protected thermometer.
3. Miller-Casella deep-sea thermometer.
4. Negretti & Zambra thermometer.

*Thermometer Cases and Accessories—*

1. Wooden cases.
2. Brass cases.
3. Reading lens.

*Salinometers—*

1. Hilgard salinometer.

## 9. Results of Explorations.

*Charts.**Models.**Collections—*

1. Marine animals in alcohol.
  - a* Deep-sea animals—Crinoids, corals, crabs, sea pens, star fish, sea urchins, etc., etc.
  - b* Surface animals—Entomostraca, etc., etc., forming food of fish.
  - c* Shallow-water animals—Mollusks, crustaceans, etc.
2. Marine animals dry:
  - a* Foraminifera.
  - b* Sponges.
  - c* Corals.
  - d* Mollusks, etc., etc.
3. Microscopic slides:
  - a* Of fish eggs.
  - b* Of fish embryos.
  - c* Of fish food.
  - d* Of Foraminifera.

## FISH CULTURE SECTION.

## 10. Transportation Apparatus.

*Apparatus for collecting and carrying eggs—*

Models and specimens: Wroten bucket. Wroten bucket, improved. Collins' can. McDonald's egg-reel. McDonald's crate. McDonald's crate for egg-reel. Atkins' egg box. Green's egg box. Clark's egg case. Clark's white-fish crate. Clark's foreign egg case. Mather transportation box. Taylor's egg transportation can. Trout boxes used in 1872.

Exhibit  
No.

## 11. Apparatus for Transporting Fish.

*Models and full-sized apparatus—*

a Models: Car No. 1. Clark's transportation can.

b Specimens: Stone's transportation can. Automatic transportation can. Mulertt's transportation can. McDonald's trout can. Zolinsky's carboy. Mortimer's sole aquarium. Carp transportation pail. Carp transportation kettle. Wood bound can, full size. Messenger's complete outfit. Bucksport transportation can. Ferguson's transportation can. Fish commission transportation can. Stranahan transportation keg. Box for native food fishes.

c Accessories: Siphon strainer. Monroe Green's aerator and cooler. Siphon tube, bag and cage. Dip nets of various sizes. Water bucket.

## 12. Apparatus for Carrying Spawning Fish.

*Models and specimens—*

a Models: Group of salmon dory cars.

b Specimens: Maitland's salmon car. Seal's transportation tub

## 13. Hatching Apparatus.

*Models and specimens—*

a For floating eggs: Chester wave box. Chester semi-rotating hatcher. Chester cod box. Cone with automatic siphon. Stand of cones with automatic siphon. McDonald's cod hatcher. Cod box. McDonald's cod box. McDonald's improved cod box. McDonald's mackerel tubs. McDonald's hatching bucket. Ferguson's submerged bucket.

b For semi-buoyant eggs: Wroten's bucket. Green's shad box. Brackett's shad box. Wright's submerged box. Ferguson's submerged bucket. Mather's shad can. Bell-Mather shad cone. Ferguson's improved cone. Models of cones and buckets. McDonald's Y-shaped box. Bower's V-shaped box. Chase's white-fish jar. McDonald's jar, old style. McDonald's universal hatching jar. Clark's jar. Apparatus used on cars. De Lawder-Wroten shad hatcher.

c For heavy eggs: Garlick's hatching box. Stone's charred trough. Coste's hatching grills. Williamson's hatching trough. Stone's salmon basket. Bucksport hatching trough. Brackett's hatching trough. Holton's hatching box. Clark's hatching trough. Hatching trough with glass strip trays. Mather's hatching trays. Atkins hatching cage.

## 14. Rearing Apparatus.

*Clark's trout-rearing troughs—*

White-fish tanks. Shad tanks.

## a Accessories:

Ainsworth's spawning race. Mather's spawning cone. Spawning pans. Spawning buckets. Page's egg scale. Egg funnels for white-fish and shad. Series of nets from Central Station, Washington, D. C. Series of nets from Northville Station, Mich. Series of nets from Battery Station, Md. Nippers, brass and wood. Dippers. Strainer dippers. Hume's

Exhibit  
No.

spawning box. Rubber boots. Oil clothing. Pan for washing eggs. Salmon dip-net. Tray for washing eggs. Siphon bags. Siphon cages. Siphon tubes. Aquaria.

b Accessories to pond culture: Seines. Dip nets. Farm profit boiler. Meat chopper. Gun. Garden rake.

15. **Hatching and Rearing Establishments.**

*Portraits of Commissioners—*

Spencer F. Baird.

G. Brown Goode.

Marshall McDonald.

a Chart giving names and location of stations and output of each station for fiscal year 1891-92.

b Chart showing work of the commission from 1872 to 1892.

*Models of Hatching establishments—*

a Hatching houses:

Put-in-Bay hatchery.

Leadville hatchery.

Havre de Grace hatchery.

Gloucester, Mass., hatchery.

b Floating hatchery.

Hatching barge.

Illustrations of hatching stations showing buildings, exterior and interior, methods employed in collecting, hatching, rearing, and distributing fish fry and eggs.

a Green Lake; Grand Lake stream; Bucksport and Craig's Brook, Me.; Gloucester Cod station and Wood's Holl, Mass.; Central station and Fish Commission fish ponds, Washington, D. C.; Battery station, Havre de Grace, Md.; Bryan's Point shad station, Md.; Wytheville station, Va.; Duluth station, Minn.; Alpena and Northville stations, Michigan; Put-in-Bay station, Ohio; The Quincy, Illinois station; Neosho station, Mo.; Leadville station, Col.; Fort Gaston, McCloud and Baird stations, Cal., and Clackamas, Oregon.

b Floating stations:

Hatching barge.

Steamer Fish Hawk.

16. **Methods and Results of Fish Culture.**

*Models—*

Lay figures. Group illustrating shad fishing and spawning. Group illustrating cod fishing and spawning.

Chart showing the effect of fish culture on the shad fishery.

Painted casts of fishes reared by the Fish Commission:

a Brook trout 1, 2, 3 and 4 years old. Von Behr trout, 1, 2, 3 and 4 years old. Loch Leven trout, 1, 2, 3 and 6 years old. Lake trout, 1 and 2 years old. Land-locked salmon 1 year old. Rainbow trout 1 and 2 years old. White fish 5 years old. Carp, tench, goldfish, black bass, etc.

*b* Alcoholic and brine specimens:

Eggs in different stages. Fry, yearlings and adults.

*Protection of Fish—*

Assistance in ascending streams:

*a* Fishway models:

Duncannon fishway. Shaw's spiral fish-way. Swazey's oblique fish-way, old style. Swazey's oblique fish-way, new style. Worrall's expanding sluice fish-way. Worrall's chute fish-way. Brewer's single groove fish-way. Brewer's double groove fish-way. Steck's fish-way. Smith's inclined plane return fish-way. Lawrence fish-way. Holyoke fish-way. Everleth's self-adjusting fish-way. Pike's spiral fish-way. Atkins' spiral fish-way. Bangor fish-way. McDonald fish-way, old style. McDonald fish-way, section 6, Great Falls, Potomac river.

Illustrations:

Photographs: McDonald's fish-way, Fredericksburg, Va.

## FISHERIES SECTION.

### 17. Objects of the Fisheries.

#### *Mammals—*

#### 1. Sirenians.

Manatee (cast).

#### 2. Cetaceans.

##### *a* Dolphins:

Common dolphin (cast).

Bottle-nose dolphin (cast).

Blackfish (cast).

Grampus (cast).

Harbor porpoise (casts).

##### *b* Sperm whales:

Pygmy sperm whale (cast).

#### 3. Carnivores.

##### *a* Earless seals:

Harbor seal (mounted group).

##### *b* Eared seals:

Northern fur seal (mounted group).

Steller's sea lion (mounted group).

#### *Birds—*

Fish-eating birds, 80 skins.

### 18. Reptiles and Batrachians.

#### 1. Alligators:

Florida alligator (mounted skin).

#### 2. Turtles and tortoises.

Loggerhead turtle (cast).

Hawk's-bill turtle (mounted shell).

Exhibit  
No.

Green turtle (cast).  
Soft-shell turtle (cast).  
Snapping turtle (cast).  
Spotted turtle (cast).

3. Snakes:

Water snake (cast).

4. Frogs:

Bull frog (cast).

Green frog (cast).

Pickerel frog (cast).

*Fish—*

Casts of 150 species of marine and fresh-water food fishes.

Color drawings of fishes.

Maps showing the distribution of halibut, cod, mackerel and other kinds.

Living marine and fresh water fish in Aquarium.

*Invertebrates—*

Living sea anemones, star fish, crabs, lobsters, mollusks, etc., etc., in aquarium.

18. Fishery Apparatus.

*Vessels—*

1. Models of sloops, ketches, schooners, steamers.
2. Pictures of vessels.
3. Vessel fittings.
4. Instruments of navigation.  
Logs, compasses, clocks, etc.
5. Fishermens' clothing, etc.

*Boats—*

1. Models.
2. Full-sized boats.
3. Pictures.

*Canoes—*

1. Bark.
2. Skin.
3. Wood.

*Nets—*

1. Pounds.
2. Weirs.
3. Pots.
4. Seines.
5. Cast-nets.
6. Dip-nets.
7. Trawls.
8. Dredges.

Exhibit  
No.

*Lines—*

1. Trawl-lines.
2. Handlines.

*Accessories:*

Rods, reels, floats and sinkers, gaff hooks, creels, bait boxes,  
fly books, etc., etc.

*Appliances for Sieving—*

1. Rakes.
2. Tongs.
3. Hooks for sponge.

*Accessories:*

Water glass.

*Appliances for Striking—*

1. Spears.
2. Lances.
3. Bows (and arrows).
4. Guns.

*Lures—*

1. Artificial flies.
2. Artificial minnows, frogs, etc.

*Charts of Fishing Grounds—*

19. *Illustrations of Fisheries.*

*Fishermen—*

1. Professional.
2. Anglers.
3. Lay figures.

*Fishermen's Dwellings—*

*Fishing Towns.*

*Special Fisheries—*

1. Mammals.
2. Reptiles.
3. Fishes.
4. Mollusks.
5. Crustaceans.
6. Sponges.

20. *Statistics of Fisheries.*

## COLONIAL EXHIBIT.

### IN ROTUNDA.

Collected by Woman's Columbian Exposition Committee of Massachusetts.

**Exhibit  
No.**

**1. Silver Hilted Sword—**

It was carried by Capt. Moseley during the Revolutionary war. Loaned and collected by Mrs. J. G. Ireland, Springfield, Mass.

**2. Silver Hilted Sword—**

It was worn by Judge John Hathorne, of Salem, during all the trials of the "Witches" in that city, 1684. Loaned and collected by James L. Little, Brookline, Mass.

**3. Old Drum—**

Which was beaten at the battle of Bunker Hill, June 17, 1775. Loaned and collected by James L. Little, Brookline, Mass.

**4. Spontoon—**

Carried and used by Capt. John Sanford, at the battle of Bunker Hill. Loaned and collected by Mrs. A. Jones Sanford, Taunton, Mass.

**5. Old Queen's Arm—**

Used at Bunker Hill and during Revolution. Loaned and collected by James L. Little, Brookline, Mass.

**6. Gun—**

Used by Moses Shaw in battles of Revolution, Bunker Hill and Rhode Island. Loaned and collected by Miss M. G. Spaulding, Newburyport, Mass.

**7. Sword—**

Of Lieut. John Hayward, carried at the battles of Concord and Bunker Hill. Loaned and collected by E. A. Barrett, Concord, Mass.

**8. Sword—**

Of Col. James Barrett, commander of American forces at the battle of Concord. Loaned and collected by E. A. Barrett, Concord, Mass.

**9. Sword—**

Of Oliver Wolcott carried in the Revolution. Loaned and collected by Roger Wolcott, Boston, Mass.

**10. Liberty Tree Flag—**

Part of the original flag which waved over the Liberty Tree on Boston Common in 1775. Loaned and collected by John C. Fernald, Boston, Mass.

Exhibit  
No.

11. **Musket—**  
Made by Col. Seth Pomeroy, used in French and Indian war, Lexington and Bunker Hill and War of 1812. Loaned and collected by Mrs. A. L. Williston, Northampton, Mass.
12. **Gun—**  
Carried by John Salem, a colored man, at the battles of Bunker Hill, Lexington, and with it he shot Maj. Pitcairn. Loaned and collected by S. W. Hayward, Wayland, Mass.
13. **Gun—**  
From Longfellow Homestead, Byfield. Was used in French and Indian war, and at the battle of Lexington. William Longfellow, first of the name, died in French and Indian war. Loaned and collected by Leonard Adams, Byfield, Mass., cousin of the poet.
14. **Sabre—**  
Used by Col. John Brooks, in the Revolution at Ticonderoga. He was afterward Governor of Massachusetts for seven years, from 1816 to 1823 inclusive. Loaned and collected by George Brooks, Brookline, Mass.
15. **Sword—**  
Worn by William Dane at the battle of Bunker Hill, and by his son, Osgood, in the War of 1812. Loaned and collected by Mrs. S. M. Warner, Cambridge, Mass.
16. **Cocked Hat—**  
Worn by Col. Brooks, at Ticonderoga (Gov. John Brooks). Loaned and collected by Henry Brooks, West Medford, Mass.
17. **Judy Lamp—**  
Such as was used in very early colonial periods. Loaned and collected by Mrs. Winslow Warren, Dedham, Mass.
18. **Holster Pistol—**  
Carried by Col. John Brooks at battle of Ticonderoga. Loaned and collected by Henry Brooks, West Medford, Mass.
19. **Pistol—**  
Of John Williams of Deerfield, captured by the Indians, 1704. Loaned and collected by Mrs. J. G. Ireland, Springfield, Mass.
20. **Pipe Lighter—**  
From an old colonial house. Loaned and collected by Miss Mary G. Spaulding, Newburyport, Mass.
21. **Green Silk Umbrella—**  
First one imported to this country by ancestors of Gen. Benj. Lincoln. Loaned and collected by Miss S. E. Willard, Hingham, Mass.
22. **Potato Grater—**  
One hundred and fifty years old. Loaned and collected by Mrs. J. G. Ireland, Springfield, Mass.
23. **Muster Roll—**  
Of company in His Majesty's service at Fort Drummer under command of Capt. Timothy Dwight, May, 1736. Captain, afterward Col., Dwight's

**Exhibit  
No.**

- grandson, was first vice president of Yale College. Loaned and collected by Mrs. E. C. Smythe, Andover, Mass.
24. **New England Weekly Journal**—  
Published in 1726, containing items of "Slaves for Sale." Loaned and collected by Mrs. Jonas H. French, Boston, Mass.
25. **Shoe and Clog**—  
Worn by Mrs. John Foye, of Boston, 1730. Loaned and collected by Mrs. H. A. Hill, Belmont, Mass.
26. **Thanksgiving Proclamation**—  
Issued by Lieut.-Gov. Phipps, October 10, 1731. Manuscript letter written on back and margin, to Sir Wm. Pepperill from Jonathan Edwards. Loaned and collected by Mrs. E. C. Smythe, Andover, Mass.
27. **Boston News Letter**—  
Issue of Monday, April 17, 1704. Loaned and collected by Miss E. E. Loring, Boston, Mass.
28. **Pitch Pipe**—  
Used in a Massachusetts choir before the times of tuning forks. Loaned and collected by E. H. Hewins, Boston, Mass.
29. **Bayonet**—  
Dug up by a workman on the battle field of Bunker Hill. Loaned and collected by Miss S. M. Warner, Cambridge, Mass.
30. **Foot Stove**—  
Used in New England in colonial times. Carried to church. Loaned and collected by Edmund H. Hewins, Boston, Mass.
31. **Coat and Vest**—  
Worn by Gov. John Brooks when colonel at Ticonderoga. Loaned and collected by H. C. Delong, trustee of Medford Town Library.
32. **Buckskin Breeches**—  
Worn in the Revolution by Maj. Allan Goodwin, who killed the buck, tanned the hide, made and wore the breeches. Loaned and collected by Mrs. Horace Goodwin, Boston, Mass.
33. **Powder Horn**—  
Used by one of Capt. Parker's men at Lexington. Loaned and collected by Rev. E. G. Porter, Lexington, Mass.
34. **Powder Horn**—  
Formerly belonging to John Williams, of Deerfield, captured by the Indians, 1704. Loaned and collected by Mrs. Roger Wolcott, Boston, Mass.
35. **Tomahawk**—  
Carried by Geo. Alverson in the Revolution. Loaned and collected by Selectmen of Oxford, Mass.
36. **Pewter Mug**—  
One hundred and fifty years old. Loaned and collected by Mrs. S. D. Elliott, Taunton, Mass.

Exhibit  
No.

37. **Pewter Tankard—**  
From Old Eagle Inn in Rowley, Mass., where it stood on a public table for many years, 1795. Loaned and collected by James L. Little, Brookline, Mass.
38. **Pewter Mug—**  
This was used in 1774. Bought at auction sale at Hancock House over seventy years ago. Loaned and collected by Mrs. Calvin G. Page, Chestnut Hill, Mass.
39. **Pewter Plate—**  
Formerly owned by Samuel Chase, a signer of the Declaration of Independence. Loaned by his great granddaughter. Loaned and collected by Miss M. B. Spaulding, Newburyport, Mass.
40. **Porringer for Invalid—**  
Drinking vessel used for an invalid one hundred years ago. Loaned and collected by Mrs. S. D. Elliott, Taunton, Mass.
41. **Pewter Sugar Bowl—**  
Used in 1760. Loaned and collected by Miss Julia Goddard, Brookline, Mass.
42. **Pewter Coffee Urn—**  
Used in 1760. Loaned and collected by Miss Julia Goddard, Brookline, Mass.
43. **Pewter Cream Pitcher—**  
Used in 1760. Loaned and collected by Miss Julia Goddard, Brookline, Mass.
44. **Pewter Porringer—**  
One hundred years old. Loaned and collected by Mrs. S. D. Elliott, Taunton, Mass.
45. **Venison Blazer—**  
Formerly owned and used by John Hancock. Loaned and collected by Mrs. Barrett Wendell, Boston, Mass.
46. **Silver Candle Stick—**  
Used in the old Hancock House. Loaned and collected by Miss C. T. Lawrence, Stockbridge, Mass.
47. **Silver Pitcher—**  
Presented to Commodore Perry by the citizens of Boston. Inscription reads: "Commodore O. H. Perry" conquered the enemy on Lake Erie Sept. 10, 1813. Loaned and collected by T. S. Perry, Boston, Mass.
48. **Silver Candle Stick—**  
Used in the old Hancock House. Loaned and collected by Miss C. T. Lawrence, Stockbridge, Mass.
49. **Silver Candle Stick—**  
Used in the old Hancock House. Loaned and collected by James L. Little, Brookline, Mass.

Exhibit  
No.

50. **Silver Tankard—**

Over a hundred years old. Loaned and collected by Nathan Appleton, Boston, Mass.

51. **Silver Candle Sticks—**

Used in the old Hancock House. \* Loaned and collected by James L. Little, Brookline, Mass.

52. **Silver Mug—**

Marked E. W. for Edward Warren, brother of Gen. Joseph Warren. Loaned and collected by Mrs. W. W. Vaughan, Boston, Mass.

53. **Silver Sugar Bowl—**

Formerly owned by Lady Arabella Johnson who came over in the Mayflower. Loaned and collected by Miss M. G. Spaulding, Newburyport, Mass.

54. **Silver Mug—**

Formerly owned by Rev. Roland Cotton, of Sandwich. Born in 1657. Grandson of Rev. John Cotton. His wife Elizabeth, born in 1668, was a granddaughter of Sir Richard Saltonstall. Loaned and collected by Henry Brooks, West Medford, Mass.

55. **Silver Salt Cellar—**

Owned by Mary Chilton. First woman who stepped on Plymouth Rock. Loaned and collected by Mrs. H. A. Hill, Belmont, Mass.

56. **Silver and Copper Hot Water Urn—**

Used in old colonial days. Loaned and collected by Mrs. Wm. G. Prescott, Pepperill, Mass.

57. **Silver Breast-Plate—**

Made and worn by Maine Indians to protect the heart from arrows, early in the last century. Loaned and collected by Henry H. Edes, Boston, Mass.

58. **Silver Mug—**

Which once belonged to George Washington. Loaned and collected by Mrs. Geo. W. Hammond, Boston, Mass.

59. **Silver Loving Cup—**

Age unknown but dates to the time of Cromwell. Brought from England by John Davenport, 1639, and used as a communion cup in Long Meadow. Loaned and collected by Mrs. J. G. Ireland, Springfield, Mass.

60. **Silver Mug-Tankard—**

Belonged to Gov. Roger Wolcott, second in command at the siege of Louisburg. He was called the "Chaucer of Connecticut." Loaned and collected by Roger Wolcott, Boston, Mass.

61. **Silver Spoon—**

Made in Boston in colonial days. Loaned by a descendant of Elder Brewster. Loaned and collected by Mrs. D. B. Hallett, Boston, Mass.

Exhibit  
No.

62. **Silver Punch Strainer—**  
In use from 1730 to 1740. Loaned and collected by Henry H. Edes  
Boston, Mass.
63. **Silver Spoon—**  
Owned by Peregrine White. Time of James I of England, 1607. Peregrine White was the first white child born in New England. Loaned and collected by Miss Norcross, Boston, Mass.
64. **Silver Fork—**  
One of the first set of silver forks imported to Boston. Owned and used by Gov. Hancock. Loaned and collected by Mrs. Desmond Fitzgerald, Brookline, Mass.
65. **Silver Spoon—**  
Brought from the battle field of Saratoga by General Learned. Supposed to have belonged to General Burgoyne. Loaned and collected by Selectmen of Oxford, Mass.
66. **Silver Cake Basket—**  
Formerly used by John Hancock in the old Hancock House on Beacon Hill, Boston. Loaned and collected by James L. Little, Brookline, Mass.
67. **Silver Porringer—**  
Made and used by Paul Revere. One of the few with his name on the handle. Loaned and collected by Mrs. Nat. Thayer, Boston, Mass.
68. **Silver Brazier—**  
Owned by Paul Revere. Loaned and collected by Mrs. Fred. R. Jones, New York, N. Y.
69. **Silver Porringer—**  
Presented to Abigail Adams by her aunt on the birth of John Quincy Adams, 1767. Loaned and collected by Chas. F. Adams, Quincy, Mass.
70. **Silver Tray—**  
Presented to Nicholas Lever, as shown by the inscription "Donum Pupillovum, 1724," when tutor at Harvard college. Loaned and collected by Mrs. A. D. Lever, Boston, Mass.
71. **Piece of Plymouth Rock—**  
In silver casket. Loaned and collected by Mrs. Samuel Spaulding, Hingham, Mass.
72. **Silver Shoe Buckles—**  
Worn by Maj. Samuel Thaxter, 1755. Loaned and collected by Miss S. B. Willard, Hingham, Mass.
73. **Sugar Tongs—**  
Over one hundred years old. Loaned and collected by Mrs. Horace Goodwin, Boston, Mass.
74. **Silver Spoon—**  
Two hundred years old. Loaned and collected by Miss Edith Lovering, Taunton, Mass.

Exhibit  
No.75. **Silver Spoons—**

Belonged to George Washington. Loaned and collected by Mrs. G. W. Hammond, Boston, Mass.

76. **Silver Wine Spoon—**

In use from 1730 to 1740. Loaned and collected by Henry H. Edes, Boston, Mass.

77. **Silver Knee Buckles—**

Worn by Maj. Samuel Thaxter, 1755. Loaned and collected by Miss S. B. Willard, Hingham, Mass.

78. **Pair of Custard Cups—**

With crest of Cincinnati Society. Belonged to Maj. Samuel Shaw, first secretary of the society and aide-de-camp to General Knox in the Revolution. Loaned and collected by Mrs. C. F. Shaw, Boston, Mass.

79. **Red Plush Waistcoat—**

Worn by Gov. James Bowdoin, of Massachusetts. Loaned and collected by Miss Leach, Charlestown, Mass.

80. **Gold Watch—**

Taken from General Dieskau at battle of Rocky Brook near Lake George, 1755, by General Seth Pomeroy. Loaned and collected by Miss Grace S. Parker, Stockbridge, Mass.

81. **Leather-covered Watch—**

Owned by Dr. Mather Byles, and had descended as an heirloom to him. Loaned and collected by Miss Frances E. Sturgis, Boston, Mass.

82. **Watch and Seal—**

Formerly owned by John Quincy Adams. Loaned and collected by Brooks Adams, Boston, Mass.

83. **Enameled Gold Watch—**

Belonged to Mrs. John Adams; was purchased for her in Paris, 1788. Loaned and collected by Chas. F. Adams, Quincy, Mass.

84. **Gold Watch—**

Belonged to John Adams. Loaned and collected by Brooks Adams, Boston, Mass.

85. **Gold Ring—**

Worn by Governor Hancock when he signed the Declaration of Independence. Loaned and collected by Rev. E. G. Porter, Lexington, Mass.

86. **Miniature—**

Of General Washington, presented by him to General Cobb of his staff an intimate friend. Supposed to be by Rembrandt Peale. Loaned and collected by Geo. Nixon Black, Boston, Mass.

87. **Miniature—**

Of Frances, wife of Colonel Crafts and sister of Governor Gore. Loaned and collected by Miss S. P. B. Robbins, Boston, Mass.

Exhibit  
No.

## 88. Miniature—

Of Col. Thomas Crafts, who was the first one to read the Declaration of Independence from the balcony of the State House in Boston. Loaned and collected by Miss S. P. B. Robbins, Boston, Mass.

## 89. Hair Locket—

Two hundred years old. Loaned and collected by Mrs. Ed. Thorndyke, Cambridgeport, Mass.

## 90. Snuff Box—

Belonged to Mrs. Pulling, of Boston. Her husband, Major Pulling, hung out the lanterns for Paul Revere, in the steeple of the old North Church, 1775, for his famous ride. Loaned and collected by Miss S. B. Willard, Boston, Mass.

## 91. Knitting Needle Sheath—

Worn at a lady's waist early in the last century. These shields are very rare. Loaned and collected by Henry H. Edes, Boston, Mass.

## 92. Snuff Box—

Belonged to Mrs. Catherine Barnard in 1797. Loaned and collected by Miss S. B. Willard, Boston, Mass.

## 93. Silver Patch Box—

Used in 1722. Held the fancy cuts of court plaster for a fashionable dame's cheeks. Loaned and collected by Henry H. Edes, Boston, Mass.

## 94. Embroidered Waistcoat—

Wedding waistcoat of Major Shaw, worn at time of Revolution. Loaned and collected by Miss S. P. B. Robbins, Boston, Mass.

## 95. New York Evening Post—

Vol. 3, No. 155, November 17, 1783. Loaned and collected by Elmer E. Young, Boston, Mass.

## 96. Bill of Sale—

Of a negro boy, Tony, Boston, 1735. Loaned and collected by Mrs. H. A. Hill, Belmont, Mass.

## 97. Cards—

Visiting card of Aaron Burr; mourning card of Mr. Jefferson, and cards of invitation from President Washington. Loaned and collected by Mrs. C. H. Toy, Cambridge, Mass.

## 98. Autograph Letters—

First one is from Martha Washington to General Knox; second is from General Knox in answer to Lady Washington. Loaned and collected by Miss Susanna Willard, Boston, Mass.

## 99. Invitation—

To a dance and entertainment at Harvard, given by two members of the graduating class in 1767. Mr. Bernard, one of the hosts, was son of the Royal Governor. Loaned and collected by Mrs. S. V. R. Thayer, Boston, Mass.

Exhibit  
No.

100. **Colonial Money—**

Eight dollars in continental money found in the eaves of a house being repaired. House formerly occupied by Richard Mugford, Marblehead. Loaned and collected by Mrs. Isabel Silva, Charlestown, Mass.

101. **Manuscript Sermon—**

Brief of an installation sermon preached at Stockbridge to the Indians by Rev. Jonathan Edwards, August 8, 1751. Loaned and collected by Mrs. E. C. Smythe, Andover, Mass.

102. **Colonial Paper Money—**

One-sixteenth of a dollar, 1776; 2s. Boston, 1776, 1s 6d. Boston, 1778;  $\frac{1}{2}$  of a dollar, 1778;  $\frac{2}{3}$  of a dollar, 1776. Loaned and collected by Dr. Solon Bartlett, Lowell, Mass.

103. **Breeches Bible—**

Printed in London, 1599; brought to New England in the Mayflower by John Alden, whose property it was. The page containing the records of the births and deaths was kept by him and his descendants up to the present day and generation. Loaned and collected by Dr. Chas. P. Thayer, Boston, Mass.

104. **"Body of Divinity"—**

Book of sermons written by the first vice president of Harvard college, Samuel Willard. Loaned and collected by Miss B. B. Willard, Bingham, Mass.

105. **Latin Grammar—**

Belonged to Gen. Joseph Warren when a boy and contains his autograph. Loaned and collected by Henry H. Edes, Boston, Mass.

106. **Copy of the Stamp Act—**

Formerly owned by Lieut. David Putnam, brother of Gen. Israel Putnam. Loaned and collected by Miss Susan Putnam, Danvers, Mass.

107. **Old Pocket Book—**

Formerly belonging to Joseph Wright, of Dedham. Loaned and collected by W. H. Tilton, Boston, Mass.

108. **"The Rambler"—**

The copy owned and used by John Hancock. Published by J. Payne in 1752. Loaned and collected by Mrs. Winslow Warren, Dedham, Mass.

109. **Hieroglyphical Bible—**

With which the young Puritan was expected to amuse himself Sundays. Loaned and collected by Miss Elizabeth Watson, Boston, Mass.

110. **Fife—**

Carried on the expedition to Quebec, 1775. Benedict Arnold, commanding. Army encamped at Newburg and there Abraham Dodge went as fifer with this fife, afterward used in Washington's army, 1776. Loaned by his great-grandson.

Exhibit  
No.

111. **Old Torch of Birch Bark—**  
Carried by Gen. Israel Putnam when he entered the Wolf's Den at Pomfret, Conn., and killed the wolf. Loaned and collected by Mrs. Horace Goodwin, Boston, Mass.
112. **Tea in Bottle—**  
Which was found in the boots of Col. Abner Cheever, of the Boston Tea Party, December 16, 1775, when changing his disguise after the affair was over. Loaned and collected by Dr. D. W. Cheever, Boston, Mass.
113. **Old Iron Spur—**  
Worn by George Washington and given by him to John Quincy Adams, and has been kept in the family ever since. Loaned and collected by Mrs. J. B. Warner, Cambridge, Mass.
114. **Grenadier's Cap—**  
Made in 1773 by Mrs. Sarah Simmons, of Boston. Great-great-granddaughter of John Alden, one of the first settlers who landed at Plymouth. Made with forty more at the same time, for the second company of grenadiers formed in this country. Loaned and collected by Dr. J. G. Warren, Boston, Mass.
115. **Memorial Handkerchief—**  
Spun and woven in honor of engagement of General Washington to Lady Washington. Loaned and collected by Miss L. B. Comins, Jamaica Plains, Mass.
116. **Pair of Pattens—**  
Worn on rainy and muddy days. Loaned and collected by Horace D. Bradbury, Winchester, Mass.
117. **Pair of Baby's Shoes—**  
One hundred and forty years old. Worn by Major Hodijah Baylies, who was an aide-de-camp to General Washington.
118. **Box and Pair of Scales—**  
The box is made of fish skin and contains a pair of scales used for weighing gold during the Revolution. Loaned and collected by Mrs. Horace Goodwin, Boston, Mass.
119. **Medicine Scales—**  
They were used during a very early colonial period. Loaned and collected by Mrs. Wm. Aspinwall, Brookline, Mass.
120. **Silver Spur—**  
Brought from the battle-field of Saratoga by General Learned. Supposed to have belonged to General Burgoyne. Loaned and collected by Selectmen of Oxford, Mass.
121. **Iron Spur—**  
Found embedded in the roadside, nearly opposite the Lexington Common. Supposed to have belonged to an officer engaged in the battle. Loaned and collected by Rev. E. G. Porter, Lexington, Mass.

**Exhibit  
No.****122. Canteen—**

Rum canteen taken from a British soldier at Bunker's Hill by Rev. Christopher Bullock, chaplain of a Maine regiment. Loaned and collected by Selectmen of Oxford, Mass.

**123. Canteen—**

Carried at the battle of Ticonderoga. Loaned and collected by Mrs. J. G. Ireland, Springfield, Mass.

**124. Iron Pipe—**

Belonged to Miles Standish in 1620. Loaned and collected by Mrs. I. M. R. Severance, New Bedford, Mass.

**125. Bone Figures—**

Cut from a beef bone with a pen knife, aboard a British prison ship in Boston Harbor by a Revolutionary soldier. They represent George Washington and King Phillip. Loaned and collected by Mrs. H. L. Goodwin, Boston, Mass.

**126. Pair of Compasses—**

Found in the cellar of Miles Standish's house in Plymouth in 1826. Loaned and collected by Mrs. M. S. Warner, Cambridge, Mass.

**127. Bullet Mould—**

Used by the women to mould bullets for the soldiers before the battle at Fort William Henry, 1758. Loaned and collected by Miss S. B. Willard, Hingham, Mass.

**128. Tinder Box—**

From the original furnishing of the Coffin house, built in 1564 by Trustian Coffin, and was the home of Whittier's schoolmaster. Loaned and collected by Miss M. G. Spaulding, Newburyport, Mass.

**129. Antique Copper Censer—**

Made by the Franciscans who came with Columbus and afterward went to Mexico with Cortez. After the loss of their sacred vessels by the attacks of the Indians, they supplied the loss by converting their copper cooking utensils into the necessary service for the celebration of mass. The above was purchased in 1878 from the Marquis de Mota, a descendant of the Gutierrez family who lived in Mexico from 1550 to 1858. Loaned and collected by Miss E. H. Tower, Boston, Mass.

**130. Skillet—**

From the old Hancock house. Loaned and collected by Miss Susan Putnam, Danvers, Mass.

**131. Epaulet—**

Brought from the battle-field of Saratoga by General Learned. Supposed to have belonged to General Burgoyne. Loaned and collected by Selectmen of Oxford, Mass.

**132. Row of Bullets—**

Cast in a mould owned by Gen. Israel Putnam. Loaned and collected by Miss Susan Putnam, Danvers, Mass.

Exhibit  
No.

133. **Cannon Ball—**

Fired at Lexington from one of Lord Percy's field pieces April, 1775, recently plowed up. Loaned and collected by Rev. E. G. Porter, Lexington, Mass.

134. **Mould for Pewter Spoon—**

It is very old; belonged to ancestors of Maj. Con., Benj. Lincoln. Loaned and collected by Miss A. S. Lincoln, Hingham, Mass.

135. **Knives and Forks—**

Owned and used by Col. Timothy Pickering during the Revolution. He was afterward secretary of state under Washington. Loaned and collected by Miss S. M. Warner, Cambridge, Mass.

136. **Autograph Letter—**

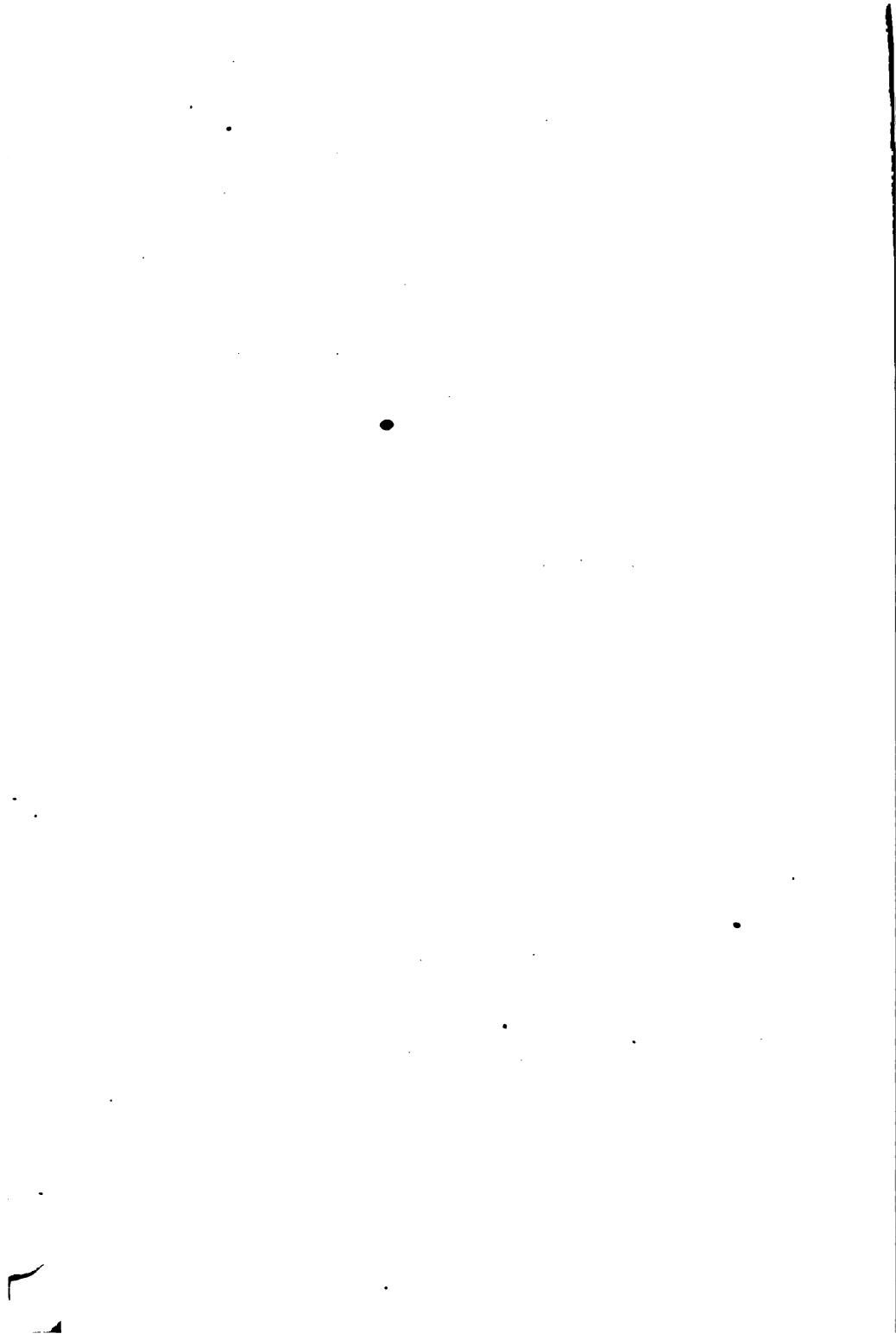
From Gen. Lafayette.

137. **Commission.—**

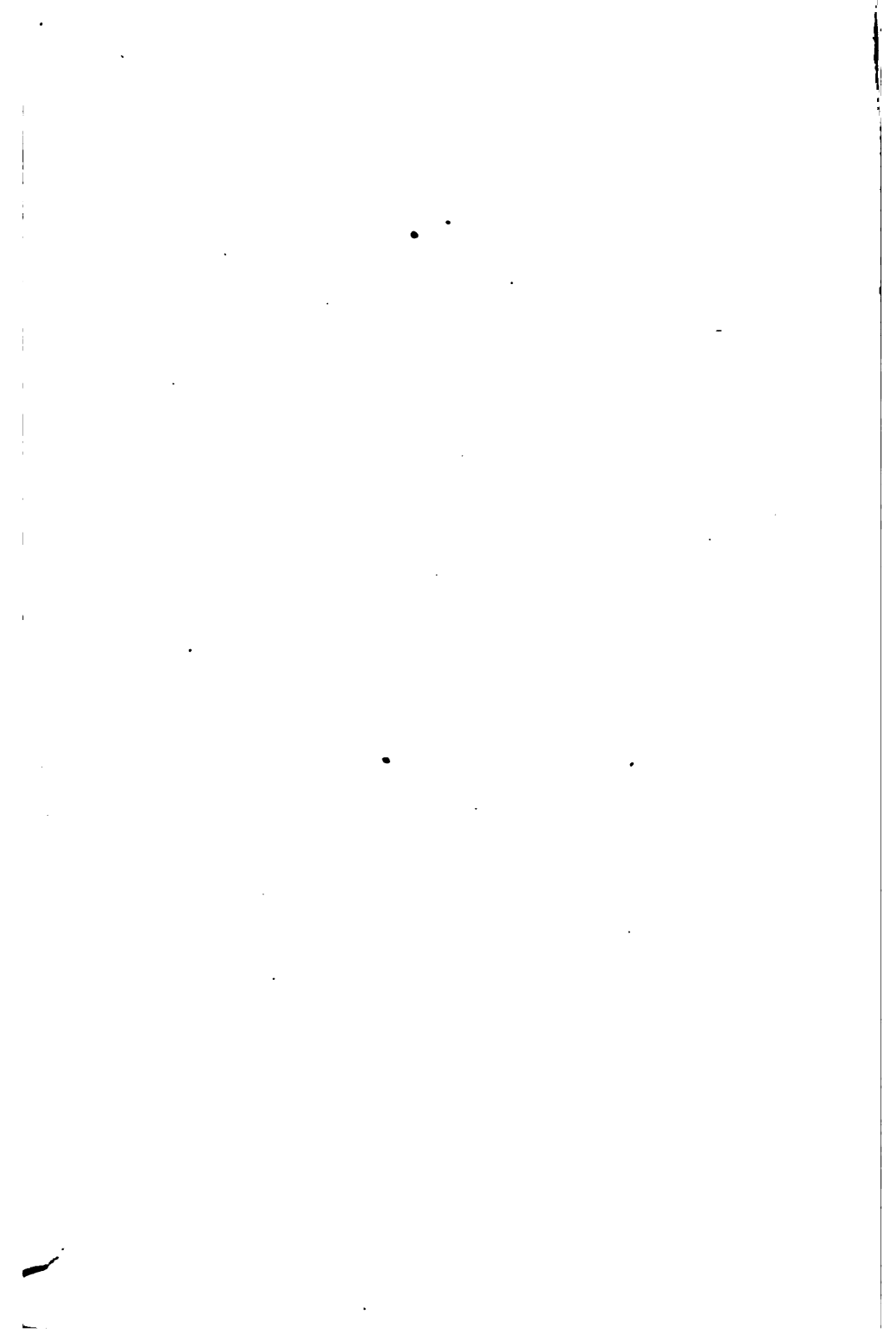
Of Colonel Prescott. Loaned and collected by Mrs. Wm. C. Prescott, Pepperill, Mass.

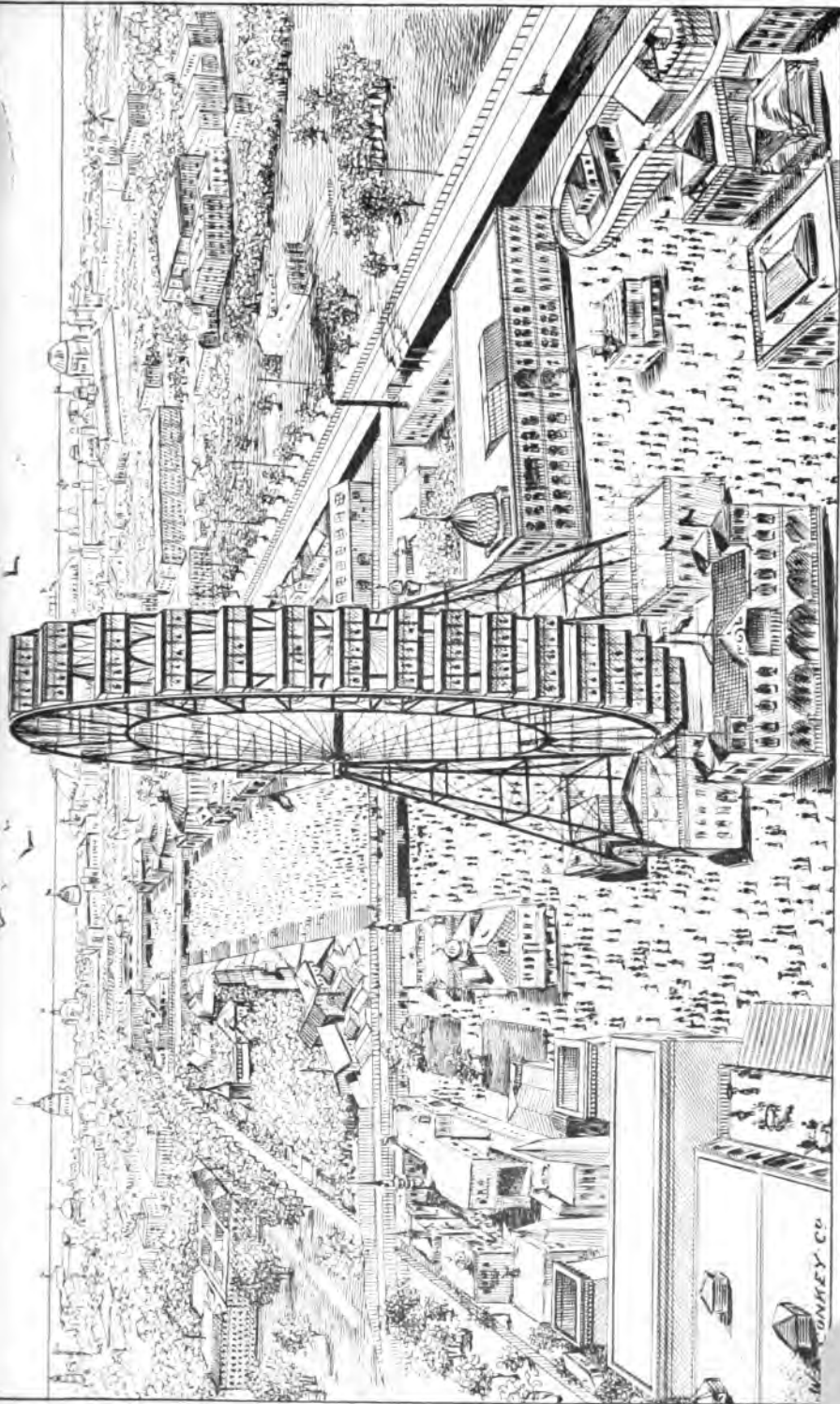
138. **Photographs—**

Of the original charter of the Massachusetts colony. Loaned and collected by Mrs. Roger Wolcott, Boston, Mass.









MIDWAY PLAISANCE.

1893, BY W. B. CONKEY COMPANY, CHICAGO.

CONKEY CO.



WORLD'S COLUMBIAN EXPOSITION.

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OFFICIAL CATALOGUE

PART XVII.

1893

OF EXHIBITS ON THE

MIDWAY PLAISANCE

ISOLATED EXHIBITS, MIDWAY PLAISANCE.

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GROUP 176.

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EDITED BY

THE DEPARTMENT OF PUBLICITY AND PROMOTION,

M. P. HANDY, CHIEF.

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CHICAGO:

W. B. CONKEY COMPANY,

Publishers to the World's Columbian Exposition.

1893.

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**THE WORLD'S COLUMBIAN EXPOSITION,**

For the exclusive use of W. B. CONKEY COMPANY, Chicago.

**W. B. CONKEY COMPANY,  
PRINTERS AND BINDERS  
CHICAGO.**

# ISOLATED EXHIBITS--MIDWAY PLAISANCE.

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## GROUP 176.

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### No. 1.

**Diamond Match Company.**

Samples of Diamond matches, exhibited in a specially constructed building.

**No admission fee.**

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### No. 2.

**The Irish Village of the Irish Industries Association. Incorporated. President, the Countess of Aberdeen.**

Grouped around the four sides of an ancient square, in the midst of which rises the Castle Blarney, are typical peasant cottages in which, especially in the industrial part, can be seen the life and labor of the frugal and industrious poor. In these humble domiciles one hears the bright sallies of wit and the keen repartee from Irish lassies who plainly have no need to kiss the blarney stone. Exquisite laces, beautiful carvings, grow before the eye, while rare old relics of the days gone by adorn many rooms. In the village hall the music of the Irish harp accompanies sweet voices singing Irish national melodies.

**Exhibits in the Village.**—In this village may be seen a number of Irish peasant girls working at their various occupations, such as needle point lace making from the Present Convent Youghal, County Cork; tambour and run lace making from the Limer

## RELATED EXHIBITS—MIDWAY PLAISANCE.

... .. lace making from Carrickmacross, Co. Wick; ... .. the Irish Industries Association at Clones, Count F ... .. County Carlow; hand-loom weaving from ... .. Valentia Island, County Kerry; sprigging ... .. the Irish Industries Association of D ... .. working carrier from the Home Arts and Industries A ... .. Irish jewelry by a representative from the work ... .. Industries Association in Dublin; glass engraving by a D

... .. of the old ruins of the rock of Cashel, a fac-simile of ... .. and in the west end an exact reproduction of Blarney Ca ... .. Blarney stone. Wherever the scattered children of ... .. they bring with them, "Through distance and dange ... .. guiding star, the loving memories and abiding tradi ... .. "Star Ban Bocht." The extraordinary virtues which the s ... .. undiscovered for many years. As soon as they ... .. McCarthy had the stone placed in what he considered ... .. stronghold, and had it guarded with the most jealous care.

... .. Dairy.—Managed by three students from the Munster Dairy Sch ... .. the Countess of Aberdeen expressly to illustrate the progress of ... .. dairy produce in the last three or four years.

... .. proceeds of this village, of which Lady Aberdeen is the presiding ... .. and development of home industries in Ireland.

Admission, 25 cents.

## No. 3.

... .. Home. Woman's Auxiliary, W. C. Ex. Philadelphia Branch, S ... .. Section.

... .. of one of the 172,000 cottages, same as those owned by working

No admission fee.

## No. 4.

**International Dress and Costume Exhibit, or World's Congress of Beauty. W. G. Press, President; W. M. Knox, Secretary and Treasurer.**

The "Beauty Show" consists of pretty girls and gorgeous costumes. It is an exhibit between forty and fifty living representatives of different nationalities, races and types, each dressed in distinctive national or racial costume. Nearly all are beautiful young women, and they are genuine and typical natives of the countries they represent. The girls occupy booths on a dais, elegantly furnished and decorated with national colors. Many of them are engaged in some light occupation, such as they are accustomed to in their own lands. The interior of the spacious hall containing this exhibit presents a brilliant spectacle, and the charming representatives of the different countries offer a most pleasing and instructive study to visitors. Among the representatives to be seen are the following: United States, England, Scotland, Ireland, Wales, France, Germany, Denmark, Norway, Sweden, Bohemia, Canada, Switzerland, Acadia, Creole, Russia, Finland, Italy, Bavaria, Octoroon, Syria, Arabia, Bedouin Arab, Poland, Tyrol, Greece, Hungary, China, Japan, Crinoline and Hoops, Orientals, Harem scene, etc., etc.

**Admission, 25 Cents.**

## No. 5.

**Electric Scenic Theatre (A Day in the Alps), Arthur Schwarz, Concessionaire.**

The stage picture is a beautiful Swiss Alpine scenery, depicting in a realistic way every range of nature shown from dawn to night, as each gradually appears, and representing some of the most wonderfully realistic light effects ever produced by electric lamps. It is almost beyond belief that the visitor is not looking at a marvelous production of nature itself, instead of a picture created by an ingenious and artistic display of electric lights. The scene represents "A Day in the Alps." When the last sounds of the overture are ringing out, the curtain rises. The darkness of the parting night is spread over

the scene till the approaching day is announced by the first rays of the sun on the lofty peaks of the mountains, showing the famous Alpine Glowing. The dim twilight disappears, and the peasants of the valley are greeting the new day in their tuneful songs (Tyrolese yodlers). At noon the picturesque landscape is shown in its full beauty in the bright and shining splendor of a warm midsummer day. Dark clouds begin to gather, and a heavy storm with thunder and lightning passes over the valley. Daylight appears again, but soon has to give way to the growing twilight of night. Once more the summits of the mountains are glowing under the parting rays of the sun. Moonlight and stars are now appearing and the whole landscape is shown in a brilliant manner.

Excellent music is rendered by renowned pianists, who perform artistic selections on a grand piano. Furthermore, Tyrolean warblers (Franz Reilhofer's troupe) perform on their various instruments, and sing their tuneful lays. Their renowned "yodels," as sung at each performance, are applicable to the scenery. The entire scenic effects are produced by about 250 electric incandescent lamps, operated from in front of the stage, in full view of the audience, by switches. The lamps on the stage are arranged in sets of shades containing twelve lights each, in red, white and blue. These lights are controlled by thirty-six switches, and are worked through German silver resistance coils. The interior of the theater is handsomely furnished with comfortable chairs. There are nine electric fans, producing a permanent current of fresh air, keeping the whole room at a low temperature and as refreshing as a sea breeze, it matters not how hot it may be outside. A cut-glass chandelier hanging from the ceiling is a wonderfully artistic piece of work. It consists of about 100 electric lamps.

The exterior of the theater has comfortable accommodations for visitors awaiting performances. Awnings and numerous chairs and benches offer a refreshing rest in the shade to those who are waiting for the beginning of the play.

**Admission, 25 cents; one child, free; two children admitted on one 25-cent ticket.**

**Ansuetz' Electro-Photographic Tachyscope. Arthur Schwarz, Concessionaire.**

Exhibited in Midway Plaisance, under the viaducts of Stony Island Ave., Woodlawn Ave. and Madison Ave., and in the Electricity Building, on main floor, German department.

In this apparatus the natural motion of objects and animals is reproduced with a degree of truth and accuracy that is absolutely bewildering. Looking thus at the representation of a man on a galloping horse, for instance, one sees the dust rise, the horse's mane and tail fly, and the nostrils extend. The rider is jerked in his saddle; he urges his horse, pulls the curb-chain and moves back his leg to apply the spur, etc. Each series in this apparatus represents a bit of life—not a life-like picture, but life itself—with amazing naturalness and truth.

Detailed circulars to be had at each machine.

**Fee, One Nickel in Slot.**

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## **No. 6.**

**Log Cabin and Restaurant. Emma S. Brinton, Concessionaire.**

Colonial relics in cabin.

**Restaurant—Ye Old Tyme New England dinners, served by handsome young ladies from New England States, in colonial dress.**

**No admission fee.**

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## **No. 7.**

**Libbey Glass Works. Libbey Glass Company, Concessionaries; E. D. Libbey, President.**

Entering the main doorway the visitor will find himself in the glass-house or blowing room, an immense glass-melting furnace being located in the center of, and directly under the great dome. The furnace is twenty-five feet in diameter at its base, and its tapering stack rises up through the dome of the building to a height of over 100 feet; in this furnace are placed the pots or crucibles in which glass is melted. Great care is necessary in the manufacture of these crucibles, requiring many months to produce them. The fire and brick in the construction of this furnace must be of the highest grade, as the int

heat necessary for the proper melting of glass is such as no ordinary material will answer. The huge blocks of fire clay used in this furnace weigh many tons, and it requires over six months to prepare them.

**Glass Blowing Department.**—Between the furnace and the railing, some twenty feet distant, extending all around the furnace, is the space occupied by the workmen, and on the outside of this railing is the main aisle for the visitors, in which they can walk around and see each workman, without in any way interfering with the progress of manufacturing. Here is seen brisk gathering boys who thrust long irons into the white hot mouths of the crucibles, and by their own dexterous twist bring forth the hot waxy glass, which they quickly hand to the artisan, who blows and fashions it into shape, producing entirely by the eye an exquisite vase; near by another workman is blowing and shaping into form, what soon appears to be a basket, bowl, tumbler, etc. A boy quickly gathers from another crucible a huge piece of molten metal, drops it into a mold which stands upon a press; quickly the presser pulls the lever of his press, and before you know it, he takes from the mold a beautiful World's Fair souvenir. In this department can be seen all the methods of the glass blower's art, glass manufacture.

**Glass Material.**—The materials from which glass is made are sand, lead, salt-petre, potash and soda. Their mixtures is called batch, which is thrown into the pots, through the same windows, or holes, out of which the workmen take the glass, when molten. The batch is kept shut up tight in these pots at least 24 hours under 2200 Deg. Fahrenheit.

**Glass Cutting Department.**—At the end of the main aisle, on a large gallery some ten feet above the blowing room, and from which one can look down upon the glass blowers at work, glass cutting is carried on. Adjoining this gallery is an immense glass cutting department, where is seen some forty skilled glass cutters enclosed within a railing, and setting at their frames cutting the most intricate and beautiful pieces of glass. The glass is cut on a steel wheel, smoothed on a stone wheel, and polished on wooden and brush wheels.

**Decorating Department.**—Adjoining the cutting department on the left, is the Decorating department, where skilled decorators are painting World's Fair souvenirs on glass; this is all done by hand, with a fine camel's hair brush, mineral colors being used. When finished the article is put into kilns and fired.

**Glass Spinning and Weaving.**—Here is seen the spinning of glass and the weaving of same into fabrics, which are made into a great variety of useful and very attractive novelties. From one loom was weaved a glass cloth for the dress of the Spanish princess Eulalia, which is on exhibition in this building before being sent to Spain.

**Crystal Art Room.**—At the end of the glass palace is the crystal art room, where where all the finest cut-glass and spun-glass wares make a beautiful and varied display.

Admission, 10 Cents.

## No. 8.

**Venice and Murano Exhibiting Company, Venice (130 Campo San Vio).—E. Benuzzi, Manager.**

Exhibit and manufacture Venetian blown and hand-made glass; both colorless and colored; chandeliers, wall brackets, candelabras, table sets for daily use; also imitations of antique glass, and Venetian renaissance glass. Also show and manufacture mural decorative mosaics, both for ecclesiastic and domestic purposes. Skilled Venetian artists daily attend to the works. Glass of every description and color, vases, tazze, candelabra, electroliers, table sets, etc., besides imitations of old Phœnician, Assyrian, Egyptian, Greek, Roman, Norman and medieval glasses are constantly made, and the most complete display of the products of the company is on show and on sale at moderate rates, while no duty is charged on them during the Fair, in consideration of their being made in this country with imported materials and implements on which duties have been previously paid. Reproductions of the very best pieces now collected in the museums and treasuries of churches in Europe, art gems of world-wide celebrity, graffiti, murrhines, cameo glasses, diatretes, Christian plates, oriental, renaissance, filigree and lace works, etched and frosted glass, avventurina, sapphire, corniola, agate, topaz, jasper, onyx, amethyst, jacinth are shown. A most wonderful variety of colors and shapes, all that human skill and knowledge combined together, achieved in the way of glass-making since the days down to the present, can be studied. The mosaic department is quite as in

as the glass furnace; samples of both ornamental and figure work are on view and several artists attend all the time to the execution of orders now in hand for this country. The appliances which the company possess for the manufacture at Murano of the enamels, and the perfection (attained after numerous costly experiments) with which they succeed in reproducing the ancient smalti, coupled with the facilities which are at their command for the making of the mosaic work at their ateliers in Venice, combine to enable them to produce mosaic work of the greatest degree of excellence, and at a cost bringing it within the reach of those of moderate means who may desire to apply, either for ecclesiastic or domestic purposes, a mural decoration, which will be found to combine a durability which in this climate can not be attained, either in fresco or surface painting, with the rich effect which no colored pigments can produce. There is a somewhat general impression that mosaic decoration is only fitted for the ornamentation of churches or public buildings, but this is far from being the case. It is also specially suited for stair-cases, corridors, halls, cornices of apartments, etc., etc., in private houses. It can also be very appropriately introduced into sepulchral works, intermural or extramural. There is also another and valuable use to which mosaic work can be applied, viz.: the reproduction of portraits. This has been most successful, and its adoption affords a means of removing many of the casualties which attach to canvas and painting.

Admission, 25 cents, refunded on purchase.

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## No. 9.

The Irish Village and Donegal Castle; Mrs. Ernest Hart, Founder and Honorary Member of the Donegal Industrial Fund, Concessionaire.

The Irish Village and Donegal Castle contain a representative exhibit of Irish industry, art and antiquity. The village is entered by a mediæval gateway, which is an exact reproduction of the St. Lawrence Gate at Drogheda, on passing which the visitor enters a street of industrial cottages picturesquely grouped around the village green, on which is placed the carved market cross. Here jigs are frequently danced by the vil-

agers to the stirring music of the Irish piper. In one cottage is shown by Irish villagers the whole process of dyeing, carding, spinning and weaving home-spuns; in the next lace-making; in the third wood-carving and designing of Celtic crosses; and in another linen weaving, sprigging and embroidery. A cottage restaurant stands also at the corner of the green. At the village smithy artistic iron work is wrought on the anvil.

Donegal Castle.—Is exactly reproduced one-half the size of the original. In the banqueting hall is shown the colossal statue of Gladstone by Bruce Joy, the Irish sculptor; the model of the Memorial Church of O'Connell, and relics of the great liberator; a gallery of portraits of famous Irishmen; paintings by Irish artists and of Irish scenery; facsimiles of ancient Celtic illuminated M.S.S.; engravings of old Irish crosses; reproductions in gold and silver of antique Celtic jewelry, as well as the Kells embroideries, laces, home-spuns, linens, hosiery, woodcarvings, etc., executed in various parts of Ireland by the trained workers of the Donegal Industrial Fund.

The exhibit is one of great and unusual interest, for such a collection of Irish art and industry has never before been brought together in this country. Beyond the Hall is the concert and lecture room, where concerts of Irish music are given several times a day, and lectures on Irish industry, art antiquity, architecture, history and literature.

The Round Tower.—Rises to the height of one hundred feet from the center of the garden behind the ruins of the Keep and Donegal Castle. It is a reproduction of one of the round towers built a thousand years ago. At its base are models of a cromlech, Druidical Hole and Ogham stones and early Christian crosses.

Restaurant.—In the shady garden is the restaurant where lunches, teas and suppers are elegantly served at moderate prices.

West of the castle is a large Restaurant and Beer Garden, where Irish character dances and comedies in costume are given constantly.

Wishing Chair.—To the left of the restaurant is to be found an exact reproduction of the Wishing Chair of the Giant's Causeway; the seat is framed of an actual stone brought from the Causeway, and the whole stands on Irish soil brought expressly from Ireland for that purpose.

The Aim and Object of the Irish Village.—Is to show the possibilities of Ireland by exhibiting some of her best work of both the past and the present; and to illustrate the fact that in her industrial development lies her chief hope. The profits of the village will be devoted to the furtherance of the industrial and technical teaching work of the Donegal

Industrial Fund, a philanthropic organization founded ten years ago by Mrs. Ernest Hart, and which has done pioneer work and exercised considerable influence. The London address is the Depot for Irish Industries, 43 Wigmore street, London, England.

Admission, 25 cents.

## No. 10.

### Hagenbeck's Zoological Arena Co.

Exhibition of trained animals, such as lions, tigers, bears, dogs, boars, etc.; also museum of hunting trophies, arms, birds, fish, etc.

Admission, 50c, 75c and \$1, according to location.

## No. 11.

### Japanese Bazaar. Y. Murai, Concessionaire; H. K. Tetsuka, Manager.

The Japanese Bazaar has on exhibition and for sale a collection of Japanese articles, all manufactured in and imported from Japan, especially for the World's Fair. These articles consist of Porcelain, Carved Ivory, Lacquer goods, Cloisonne, Bronzes, Metal Wares, Fans, Silk, Handkerchiefs and Shawls, Teas, Bamboo goods, Toys and various fancy articles. In the large and handsome collection of Porcelain exquisite workmanship is shown. The Satsuma and Kaga Pottery is perhaps the most attractive ever exhibited outside of Japan, and to show the variety of these articles, vases as high in price as \$1,000 and as low as 10 cents are exhibited. Included in this collection of Porcelain are souvenir cups and saucers worth from 15 cents up to \$20. They contain pictures of the various Exposition buildings and other objects of interest at the Fair; also pure Japanese from 60 cents up to \$12 a pound. Unlike the concessions for the sale of Japanese goods elsewhere in the Exposition, all articles purchased at this bazaar are for immediate delivery. One price to all is fixed on each article, and goods purchased are packed

securely and made ready for shipment in short order. Japanese male and female attendants are present to wait upon customers.

**No Admission Fee.**

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## No. 12.

**The South Sea Islands Village.** The Oceanic Trading Company, Concessionaires;  
H. N. Nichols, Managing Director.

The Village—Consists of four Samoan houses of native construction, in which are offered for sale goods and curios of native manufacture. The largest of these houses stood for ten years in the village of King Mataafa, and was contributed by him to this exhibit. It is made from the wood of the bread-fruit tree and thatched with the leaves of the wild sugar-cane. Fully ten thousand pieces of wood are used in its construction. The other houses are similarly built, but of much cheaper material. There are twenty-five villagers, men and women, natives of Samoa, Fiji, Romutah and Wallis Islands. These curious people are not Africans, Indians nor Mongolians, but are Polynesians of the Archipelago. Five Samoan canoes, including a large war-canoë, are among the village exhibits. The war-canoë is made of hewn timbers, ~~sewed~~ <sup>sewed</sup> together with cocoanut fibre, not a nail or screw being used in its construction.

The Theatre.—Performances are given at frequent intervals during the day and evening, showing the songs and dances of Samoa, Fiji, Romutah and Wallis Islands.

**Admission, 25 cents.**

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## No. 13.

**Java Village;** Java-Chicago Exposition Syndicate, Concessionaries. G. de Bruyn, W. R. Garrison, Directors; I. N. Kalf, Director Administrative, in charge; A. R. W. Kerkhoven, C. E.

This village gives an exact representation of a native village as found in the Pranger Regencies, West Java (Dutch East Indies). Right and left are streets with the houses of the natives, which number 125, among which are 36 women. On the balconies in front of the houses the natives work just as if they were in Java. Inside is a theater in which is performed the wajang wong (a sort of pantomime in which the actors do not speak, their part being recited by the delang); also dancing accompanied by a native orchestra (gamelan) of 24 men.

**Admission to village, 10 cents; to theater, 25 cents.**

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## No. 14.

**Original Vienna Bakery, Cafe and Theater. William Loeb, President; Hy. A. Fleischman, Manager.**

Restaurant and lunch counters at which bakery products are sold. Variety entertainments in theater, given daily at 2:30, 4:30 and 8:30 p. m. Admission to theater, 25 and 50 cents.

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## No. 15.

**Panorama of the Bernese Alps. Henneberg, Concessionaire.**

The point of view is taken from the Macnlichèn (7,700 feet high), between the deep valleys of Grindelwald and Lanterbrunnen.

**Admission, 50 cents; children, 25 cents.**

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## No. 16.

**The German Village. German Ethnographic Exhibition (Limited), of Berlin, Concessionaires.**

The German village covers a space of 780 by 225 feet. It has three entrances, two leading into the village proper and one leading into a restaurant and concert garden. The center of the entire space is occupied by a mediæval stronghold, surrounded by a moat and approachable by two drawbridges.

**Ethnographic Museum**—Consists of two large halls, one vestibule and a castle-chapel. The collection consists chiefly of implements of war and of the chase, illustrative of all periods, beginning with the prehistoric and ending with the renaissance. The center hall of the castle contains also a group in wax, being an apotheosis of the German empire and consisting of the figure of Germania, surrounded by German heroes from Arminius down to William I. This group is surrounded by a gathering of German peasants of all sections of the empire in national costumes, doing homage to their heroes.

The other half of the castle facing the concert garden is given up to purposes of a dining wine restaurant, where food and drink are served in German style. In the shadow of the castle, to the east of it, the village proper is grouped. It consists of a Hessian rural town-hall, a Black Forest house, a Westphalian house, an Upper Bavarian house and a Spreewald house. The Hessian town-hall, like the castle, contains a part of the ethnographic collection; each of the farmhouses mentioned above contains installations of dwelling-rooms, typical of those sections of the German empire which the houses represent.

To the west of the castle is situated the concert garden, surrounded on two sides by open restaurant-halls. Eight thousand can be comfortably accommodated simultaneously in the shady concert garden. Here two German military bands, one of infantry and one of cavalry, give two concerts daily. The two military bands consist of seventy-four men, being two full regimental bands; one of forty-eight in uniform of a regiment of foot-guards, and one of twenty-six in uniform of the guard du corps.

**Admission to Village, Free; to Museum, 25 Cents; to Concerts in Garden, 25 Cents.**

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## No. 17.

**Turkish Village. Robert Levy, Concessionaire.**

Consists of mosque, Turkish theater, refreshment pavilion, Persian tent, grandstand, Turkish cafe, Bedouin camp, cottages, Cleopatra's needle, serpentine column.

**TURKISH THEATER**—A large pavilion holding about 1,500 people, provided with chairs arranged in such a manner as to give a full view of the stage. The ceiling and walls are decorated in purely Oriental style, consisting of Bokara rugs and portraits of Egyptian officials worked in Oriental embroideries. Branches of cedar from Mount Lebanon bearing the well shaped conical cones, are interspersed along the walls. There are tapestry drop curtains, presenting fac-simile scenes, one of which is the River Jordan near Jericho. Another is the city of Christ's birth, Bethlehem, one of the most attractive places to all the Christian world. There are also scenes from Mount Hermon, Damascus, Beyruth and other historical places of the East. Performances are given at various times throughout the day and evening, at which about sixty-five actors and actresses appear, and the audience is delightfully entertained by handsome Turkish ladies with their beautiful, sparkling black eyes; fascinate by their charming beauty all who look at them. The character of the entertainments given in this theater is of an attractive and pleasing nature to both ladies and gentlemen. The scenes presented on the stage are purely Oriental, showing the manners and customs of the various countries constituting the Turkish empire; such, for instance, as the Oriental wedding in Damascus; the Kounounic drama; "Antar, the Son of Sheddad;" the Kurdish drama, etc. The dancing, by both males and females, is particularly a feature. The wonderful movements of the Nautch dance, and the beautiful Damascene and Turkish dances as performed throughout the Ottoman empire are given at each performance. Also Syrian dances, Ziebekly dance, Quadrille dance, Constantinople dance, Thesalonian dance, the Whirling dance (Mada sellé Rosa, who performs this wonderful dance, twirls within a space of less than half a foot for 15 minutes), Mesopotamia dance, Albanian dance, etc. Fencing scenes, scenes, celebration of weddings and funerals, and in general all the features of home life of the inhabitants of the Arabian desert, Kurdistan, Damascus, Mt. Lebanon, Jerusalem, Nazareth, Bethlehem, Mesopotamia, and other sections famous in both sacred and profane history, are performed for the edification of visitors. The Turkish musicians are really artists and perform on the instruments peculiar to the respective tribes of Turkey, giving the weird, rhythmic music heard only in the Orient. Overtures by

iental orchestra of the Turkish and American national hymns are rendered, and taken as a whole the performance supplies visitors with a knowledge of the manners and customs of far-away Turkey, in which more satisfaction is given in one hour than can be gained in a study of ten years. Admission, 25 cents.

The mosque is a reproduction of the mosque of the Sultan, Selim, and is decorated and furnished in the same manner as the great mosque of Turkey. It is open to visitors all times, except during prayer hours. No admission fee.

The refreshment pavilion is decorated with fine Turkish and Damascus goods and ornaments; in it is served all kinds of Turkish temperance drinks, fruits and syrups.

The Persian tent is four hundred years old, embroidered in gold and silver, and belonged at one time to the Shah of Persia. Admission, 25 cents.

The grand bazar contains forty booths, where goods peculiar to the country can be bought, such as embroideries, rugs, carpets, silverware filigree peculiar to the Orient, brassware and precious stones, jewelry, old arms, antiquities, etc. No admission fee.

Turkish Cafe.—Here Turkish Mecca coffee is served and Timbok (tobacco) can be smoked in the Nargelehe (water pipe). In the restaurant Turkish meals are served.

Bedouin Camp.—North of the bazar a Sheik and his family and part of his tribe are camped, showing all the features of home life in the desert; they brought with them camels, dromedaries, Arabian horses, and arms peculiar to Arabia; near this camp is a reproduction of one of the chief palaces of the city of Damascus. Admission, 25 cents.

Cottages.—At the rear of the grand bazar there are eleven cottages, in which are men and women working in the different trades of Turkey, making carpets, rugs, embroideries, brasswork, etc. No admission fee.

Cleopatra's Needle.—A reproduction of Cleopatra's needle as it stands opposite the Sophie mosque.

The serpentine column is a reproduction of the bronze monument cast in Greece in 48 B. C., and erected at Delphi in commemoration of the victory of the Plateau.

Sedan chairs with native carriers, which carry visitors to any part of the grounds for one person, 75 cents per hour, 40 cents per half hour, 25 cents per quarter of an hour.

## No. 18.

### Street in Cairo. George Pangalo, General Manager.

Consists of a temple, mosque, theaters, sixty-two shops and two sebils, or drinking fountains. Also representation of a merchant's residence of the fifteenth century. Native Egyptians manufacture and have for sale Egyptian and Arabian jewelry, brasswork, embroidery, cigarettes and smokers' articles, potteries of upper and lower Egypt, tents and decorated cloth for hangings, furniture, antiquities, Red Sea shells, perfumes, Egyptian seals and signets, sweets and flowers, verses from the Koran; also Soudanese articles, viz.: whips, spears, shields, arrows and household articles. Admission to street, 15 cents.

Drivers with camels and donkeys are in attendance for the use of visitors. Fee for riding camels 25 cents; donkeys, 15 cents.

Twice a day is represented a characteristic street scene—a wedding procession, alternating with a "mouled" or birthday festival, with a market fair in tents.

In the theater the dancing girls produce the "Dance du Ventre." Admission 25 cents.

The mosque and sebil is a representation of a mosque and sebil of the time of Sultan Kaitbay (fifteenth century). Admission 10 cents.

In addition to the above are an Arab house, in which the domestic customs of the people are seen, admission 25 cts.; an Egyptian fortune teller, fee 25 cts.; an Oriental mind reader, fee 25 cts.; a conjuror, admission 25 cts.; a Soudanese village and theatre, admission 25 cts.

Cafes and restaurants at the east and west ends of the street supply light lunches, served by native attendants.

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## No. 19.

### Egyptian Temple. Prof. Demetrius Mosconas, Concessionaire.

This structure has the architectural characteristics of an Egyptian temple of the eighteenth and nineteenth dynasties (1800 B. C. to 1400 B. C.). It resembles more partic-

larly the Temple of Luxor (which was built by Amenoph III, 1550 B. C., and added to by Ramses II, 1400 B. C.), with its monolithic obelisks, colossal statues and sphinxes. On the outer walls of the temple are sculptured battle scenes, worshipping of divinities, etc. The two obelisks are fac-similes in wood of the original monolithic obelisks in red granite or syenite. They are 75 feet in height and 5 feet square at the base. The hieroglyphic inscriptions are sculptured in the wood and gilt. The obelisk on the right hand as you enter the temple has sculptured on it in the hieroglyphic language a dedication to the World's Columbian Exposition in the person of the president of the United States of America.

A representation of an ancient Egyptian temple is shown in the interior; also of the tomb of "Thi' and "Apis;" fac-similes of the mummies of ten of the most celebrated Pharaohs.

Admission, 10 cents.

## No. 20.

Pompeii; C. Pandolfi, Concessionaire.

Stereopticon views of Pompeii, disinterred after 1,800 years' burial by eruption of Vesuvius.

Admission, 10 cents.

## No. 21.

Persian Palace. G. K. Debbas, Manager.

Manufacture and sell carpets, rugs, jewelry, etc.

In the theater are dancing girls and Persian musicians.

Admission, 50 cents.

## No. 22.

**Barre Sliding Railway; D. Thayer, President.**

The road is an elevated structure, and the rail has a broad, flat top. Instead of by wheels the body of the car is supported by hollow iron shoes that rest upon the rail; the water that is fed into the cavity of the shoe under pressure, escapes between the rail and the shoe during motion.

For each ride, 10 cents.

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## No. 23.

**Moorish Palace. Columbia Moorish Palace Company, Concessionaires; C. D. Warren, President.**

Were an exhibit of this character located in the heart of a great city, a much higher price than 25 cents admission would be charged. It is considered by many to be one of the best attractions on the Midway. After passing through its gates you find yourself in a beautiful garden of palms, and after picking your way through a gold maze you come to a Harem, guarded by a black eunuch; the rugs and draperies are purely Oriental. You next visit the Devil's cave. The birth of the harp can also be seen. This work is considered the pinnacle of high art. Next a bottomless well is gazed into, and then a small flight of stairs ascended and you find yourself in the room of 1,000 reflections or Kaleidoscope where 1,000 people like yourself are seen standing around. The effect is produced by perfectly clear mirrors. From here you pass through a Moorish arch and ascend a broad staircase to the upper floors of the palace. You will be struck with the wonderful life-like figures in wax and probably make the same mistake as many others by supposing figures are visitors and visitors are the figures. The entire upper floor is taken up with prominent men, great rulers and generals of the world; also many laughable and highly interesting groups are seen.

You next visit the execution of Marie Antoinette with the original guillotine used. The artist has reproduced the whole scene in wax and done his work so well that many shed tears when they view it. There is nothing gruesome about the scene, however.

Next, the Optical Illusion Theater is announced (3 acts), when you make your exit you scarcely believe you are on earth. In the second act a beautiful marble statue stands on the stage, the story of Pygmalion is told; red blood rushes in the statue, and a beautiful woman greets your eyes. The change takes place several times, and as the statue is so near that you can almost touch it, the deception is perfect. The first and third acts are equally wonderful.

Admission to amusement features, 25 cents.

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## No. 24.

Model of Eiffel Tower, C. du Pasquier, Concessionaire.

Scale one-fiftieth, with the gardens of the Exposition at Paris.

Admission, 25 cents.

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## No. 25.

Parisian Art Glass Ware Company. August Leroy, Concessionaire

Sale of art glassware; glass spinning.

No admission fee.

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## No. 26.

Ferris Wheel Company. G. W. G. Ferris, Concessionaire.

The mammoth Ferris Wheel, which can be seen at a distance long before entering the gates of the Exposition, is regarded as one of the greatest engineering triumphs and novelties of modern times. It is undoubtedly a feature on the Midway Plaisance. It is a monster steel wheel, somewhat resembling a huge bicycle wheel, revolving between two

towers. It is 264 feet in height, and around it, suspended between the two crowns by great steel trunnion pins, 36 passenger coaches, each as large as the ordinary Pullman Palace car, built just as substantially and upholstered just as luxuriously, are securely attached. Each of these coaches has a seating capacity of 40 persons, and each coach has a polite attendant. With its living freight of 1,440 people, when filled to its capacity, it slowly revolves in response to powerful machinery by which it is operated. Imagine the sensation of being carried up 250 feet on one side, and of being slowly lowered on the other side, and of gaining during the trip a complete view of the World's Fair grounds, a bird's-eye view of the whole of Chicago, and of a goodly portion of Lake Michigan to boot. That is the idea of the Ferris wheel in a nutshell. The entire structure is of steel, and its construction involved the expenditure of \$400,000 before a single passenger was carried. The great axle is the largest piece of steel ever forged, being 32 inches in diameter, 45 feet long and weighing 56 tons. The cost of this piece of steel alone was \$35,000. The foundation of masonry which supports the towers goes 35 feet below the surface of the ground, and tapers to a height of eighteen feet. The total weight of the moving mass is 1,200 tons, but so liberal an allowance has been made for wind stresses that in the opinion of eminent engineers a tornado of one hundred miles an hour would leave the wheel intact and unharmed. Hence, passengers while indulging in their novel trip are just as safe as though they were riding out to the grounds on a railroad train. The motion of the cars is almost imperceptible, and no one need be afraid of a "sinking" sensation felt by some with high speed elevators. Arranged in groups on the rods around the crown of the wheel are 3,000 incandescent lights of various colors. These are alternately extinguished and relighted as the wheel revolves at night, and the scene resembles a monster display of pyrotechnics. Platforms are located on both sides of the base of the tower, and six cars can be loaded and unloaded simultaneously. The time required for one complete trip is 25 minutes. This gives passengers two complete revolutions of the wheel. The immense engines are duplicated, so that in case of any disarrangement of the machinery, the second plant could be started with less than a moment's delay.

The inventor is G. W. G. Ferris, a prominent bridge engineer of Pittsburgh, and head of a noted firm of bridge engineers and metallurgists. He has been largely identified with the bridge enterprises in Ohio, Pennsylvania, West Virginia, and other States. The

different sections going to make up the complete wheel have been constructed in no less than six cities.

Price of admission, 50 cents; small children admitted free when accompanied by persons holding admission ticket.

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## No. 27.

**Ice Railway.** John C. De La Vergne, T. L. Rankin, Concessionaires; Wm. L. Distin, Manager.

Real ice and snow artificially made by the De La Bergne refrigerating machinery over which gay and exuberant crowds slide to the merry jingle of sleigh bells, is a novel and refreshing attraction exhibited by the Ice Railway Company. It occupies a space of 60x400 feet. On the one end a two-story pavilion 60x90, on the opposite end boiler and machine house 28x70. Around the outer edge of the concession are erected tracks for sleighing or coasting, total length 875 feet.

**Two Trips Around, 10 Cents.**

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## No. 28.

**Model of St. Peter's Church.** L. de B. Spindor, Concessionaire.

It is carved wood and coated with a substance which perfectly imitates marble, reproducing the exact color of the original structure. It is constructed on a scale of one-sixtieth part of the original cathedral, measuring about 30 feet in length, by 15 feet in width and 15 feet in height, and is exhibited in a building of Roman style. In the interior of this building are portraits of several of the popes, together with a number of Papal coats-of-arms of large dimensions. Arranged in the corners of this building are four small, ancient models as follows:

The Cathedral of Milan, in carved wood, made by De Simoni, measuring  $31\frac{1}{2} \times 27\frac{1}{2} \times 8$  1.2 inches.

The Piombino Palace, belonging to the family of Boncompagni, of which Pope Gregorio XIII was a member. This was erected in 1572 and the model is in carved wood.

St. Agnese Church is represented in both its interior and exterior aspects, and is made of different colored marbles. This church was erected by Pope Innocenzo X of the Dorio Panfili, and by whose command this model was made, measuring, as it does  $16 \times 16 \times 24$  inches.

**No. 28.**

The persons in attendance are dressed and armed in the exact uniform of the Vatican Guards.

Admission, 25 cents.

**No. 29.**

French Pavilion and Cider Press. Cottentlin & Ziemer, Proprietors.

Manufacture and sale of cider from apples from France.

No admission fee.

**No. 30.**

Vienna Cafe. Konig & Griessner.

Original Vienna Cafe and Restaurant. Bakery goods and edibles, as furnished in the original cafe in Vienna. Hungarian orchestra in attendance.

No admission fee.

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## No. 31.

**Algerian and Tunisian Village.** Ela Ganon and A. Sifico, Concessionnaires; Solomon Bloom, Manager.

Consists of one theatre, seating 1,200 people; fifty booths or bazaars, ten kiosks, cafes, concert hall and a large bazaar; also a Kabyle and Algerian tent. In the theatre are represented dances and songs of Tunis, Algiers and Kabyle, including the Assiaeu dance, commonly known as the torture dance.

In the shops, or bazaars, are found goods of Algerian and Tunisian manufacture, including jewelry, etc.; and in separate booths are shown workmen manufacturing their native clothing, embroideries and jeweled goods; also booths in which native arms, daggers, swords, shields, etc., are for sale. The Bazaar proper contains a very choice selection of rugs and tapestries, brass work and goods of all kinds peculiar to Algiers; also an elegant kiosk of mosaic work manufactured for special exhibit. In the booths are also exhibited a very extensive line of native cutlery, jewels and fancy goods. In the Tunisian cafe the service is Tunisian, Tunisian cooking, etc. The entire village is decorated with tiles brought directly from Algiers.

The Kabyle family in the Kabyle tent spin and weave and make native fabrics; and in the kiosks, natives manufacture the sweets and candies peculiar to the orient.

**Admission to theater, 25 and 50 cents; to bazaars and concert hall, free.**

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## No. 32.

**East India Bazaar, Ardeshir and Byramji, Concessionaires.**

Exhibit and have for sale gold and silver enamelled jewelry, curtains, fabrics, embroidery, shawls, Indian carpets, rugs and pottery; Vizagapatam workboxes, Benares brassware, inlaid metal work, native arms, shields, musical instruments, idols, toys, blackwood carved furniture, carved sandal-wood and ivory boxes, etc.

**No admission fee.**

## No. 33.

**Volcano of Kilauea. Loren A. Thurston, Concessionaire.**

A reproduction of the volcano of Kilauea, situated on the island of Hawaii in the Hawaiian Islands.

**Admission 50 Cents, Children, 25 Cents.**

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## No. 34.

**Austrian Village and Old Vienna, "Old Vienna Company," Concessionaires.**

Old Vienna.—An exact reproduction of that part of the city called the "Graben," as it appeared two hundred years ago. It is a complete city, and the visitor at once feels as if he or she had just entered into another part of the world. The architectural effect is a work of art, and the busy merchants in their inviting shops almost make the scene enchanting. These stores, of which there are seventy in number, have on exhibition many novel and useful products for which Austria is noted. Cafes and restaurants abound, and visitors are served in just such a manner as if they were actually in "Old Vienna." There are two banquet halls within the enclosure, in which public receptions are held. Many of the visiting societies and organizations give special dinners here. Several of the manufacturing processes typical of Vienna and the Austrian industry and art manufactures are shown, viz: wood, amber, meerschaum and ivory turning and carving; engraving and painting on glass, modeling of statuary work and bronzes, embroidering, manufacture of laces, of leatherware, jewelry, enamels and other processes.

Music—Consists of two complete bands, the most celebrated of these being under the personal leadership of Hofcapellmeister C. M. Ziehrer, musical director of the Imperial and Royal Fourth Austrian Infantry Regiment, Hoch and Deutchmeister from Vienna. The leader is famous also as a composer throughout Europe, and is retained in the "Old Vienna" display by permission of the Emperor of Austria. Concerts are rendered by this band every evening from 5 p. m. to 10 p. m., including Sunday, the programme contain-

ing national airs, Vienna waltzes and the popular music of the day. In the forenoon from 10:30 until 4 o'clock in the afternoon, a musical concert consisting of melodious airs is daily rendered by a celebrated Hungarian band.

A large Vienna restaurant seats 2,400 people. There is also a restaurant styled "Constantinbuegel," Vienna, which is a refined cafe, true Vienna style.

On view in the town hall of the "Old Vienna" grounds is a collection of ancient Greek paintings 2,000 years old, from the tombs of Faijum, (Egypt). Also a face mummy, of the period of Christ; the oldest existing bible manuscript on papyrus, and other antiquities. Admission, 25 cents.

Admission to "Old Vienna," 25 cents.

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## No. 35.

**Chinese Village, Theater, Joss House, Bazaar and Cafe.**

Theater.—Performances are given at the following hours: 9 A. M. to 12 o'clock, 12:45 P. M. to 6 P. M., 7 P. M. to 10 P. M. They consist of scenes and representations of historical subjects in China, many of them pertaining to kings, in which war scenes and love-making are delineated, interspersed with singing, dancing and juggling. The furnishings and fittings of the interior of the theater were brought from China especially for the purpose. Taken all in all, it is one of the most interesting and wonderful performances on the Plaisance.

Joss House.—The Joss House on the second floor contains idols and represents heaven from the Buddhist standpoint, with hundreds of angels. The infernal regions with the different modes of punishment are vividly illustrated. Also, on the second floor are shown scenes typical of China, such as shops, bazaars, Chinese dwelling house, etc.

Bazaar and Cafe.—Various articles of Chinese manufacture are for sale in the bazaar; also beautiful solid ebony furniture, hand-carved and inlaid with mother-of-pearl. In the cafe both Chinese and American dishes are served.

A trip to China is not necessary, as everything can be seen in this village.

## No. 36.

Captain Halloran Park, World's Fair Captive Balloon Company, Cincinnati.

J. H. Morgan, President.

Amusement Garden and Restaurant. Popular airs are rendered throughout the day and evening by a Music Machine.

Amusement Garden and Restaurant. Popular airs are rendered by a Vaudeville Company throughout the day and evening.

Amusement Garden and Restaurant. Popular airs are rendered by a large orchestra throughout the day and evening.

Amusement Garden.

## No. 37.

Amusement Garden and Restaurant. Popular airs are rendered throughout the day and evening by a Music Machine.

Amusement Garden and Restaurant. Popular airs are rendered by a Vaudeville Company throughout the day and evening.

Amusement Garden and Restaurant. Popular airs are rendered by a large orchestra throughout the day and evening.

as flowers made of feathers of Brazilian birds, colibris (little birds of all colors), pictures, shell articles, jewelry, etc.

**Admission, 25 cents.**

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## **No. 39.**

**Lapland Village, Lapland Exhibit Co.; P. H. Coney, President.**

These peculiar Arctic dwellers and their village were brought from Lapland especially for exhibit at the Exposition. They come from a country where there is nine months of constant winter, the thermometer running below centigrade register, or over 200 degrees below zero, and is never warmer than 20 degrees above zero, summer lasting only three months, during which there is one month of continual sunlight. It is therefore known as the "land of the midnight sun." The village consists of 18 Laplanders; 6 men, 6 women and 8 children, 2 of whom are young babies. Among the villagers are 6 Dalecarlien girls. There are 13 reindeer, 5 dogs, 4 sledges and snow shoes.

**Admission 25 Cents.**

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## **No. 40.**

**The California Ostrich Farm. E. J. Johnson, Concessionnaire.**

Located opposite the Lapland village. A troop of twenty-eight living ostriches from 18 months to 9 years of age, 7 to 10 feet in height, 125 to 260 lbs. in weight.

**Admission 10 Cents.**

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## **No. 41.**

**Hungarian Cafe and Concert Pavilion. A. J. O'Connor, President.**

The Hungarian Cafe and Concert Pavillion consists of a building 175x95, with a covered garden on the roof. The lower part is the theater, wherein three performances are given daily, in the style of a variety show, musical specialties, Hungarian songs and dances, also English features. No admission charged to the theater or continuous concerts on the roof garded. Refreshments served at tables.

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## **No. 1 A.**

**Bulgarian Curiosities; E. S. Yortchiff, Concessionaire.**

Located opposite International Dress Costume Company. Exhibit and sell Bulgarian curiosities.

**No admission fee.**

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## **No. 2 A.**

**Colorado Gold Mining; R. A. Campbell, Concessionaire.**

Located opposite Electric Scenic Theater. Machinery showing the method of gold mining in the State of Colorado.

**Admission, 10 cents.**

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## **No. 3 A.**

**United States Submarine Diving Co.; I. I. Manion, Concessionaire.**

An exhibit displaying modern appliances and machinery necessary for the most effective work in deep sea diving, shown by the United States Submarine Diving Company. The exhibit proper comprises a practical illustration of the principle and methods of modern diving operations. Two experienced divers are constantly at work in a mammoth tank containing 40,000 gallons of water. You first witness the divers on the surface of the water, when a lecture is given, pertaining to the business or to the manner in

which air is supplied to the diver; the pressure of water and air; the use of the life line; the heavy weights carried by the diver; accidents to divers and their many causes; system of signals; the wonderful submarine telephone; length of time, under different circumstances, it is possible to remain under water; the depth it is possible to reach; the use of the submarine electric lamp—all of which are thoroughly explained. Then you are enabled to witness the divers at work under water, through large plate glass windows inserted in the sides of the tank for that purpose. Here the divers may be seen sawing and nailing wood, breaking rock, recovering articles thrown into the water and writing messages to those looking at them through the windows.

**Admission, 10 cents.**

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## **No. 4 A.**

**Johore Bungalow; Rounsevelle Wildman, Concessionaire.**

Malayan curios.

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## **No. 5 A.**

**German Weinerwurst House (Nurnberger Bratwurst Gloecklein); Franz Triacca, Proprietor**

Located east of Moorish Palace. Music and refreshments.

**No admission fee.**

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## **No. 6 A.**

**Camera Obscura; Carl Memethy and Adolph Gaul, Concessionaires.**

Located east of the Ferris Wheel. Tree of Wonders. Exhibit of views—transformed by a Camera Obscura—of a portion of the World's Fair Grounds.

**Admission, 10 cents.**

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**No. 7 A.****Moorish Mosque of Tangiers; Jacob Benchetrit, Concessionaire.**

Located immediately west of the Moorish Palace. Exhibit and sell photos and curios of Morocco

No admission fee

**No. 8 A.****American Indian Village; Roddy & Wyatt, Concessionaires.**

Located east of Chinese theater. Consists of Pottawatomies, Winnebagos and Sioux men, women and children. The tents of the Indians are scattered about the inclosure, and in each the Indians are shown at work at various native industries.

Admission, 25 cents.

**No. 9 A.****Sitting Bull's Cabin; Sitting Bull's Log Cabin Co., Concessionaires; P. B. Wickham, Manager.**

Located opposite the Lapland village. Sitting Bull's original log cabin, brought from the Standing Rock Agency, N. D., with the arms used in the arrest and killing of Sitting Bull; an oil painting of this chief; also his buckskin shirt trimmed with porcupine quills and human scalps.

A collection of arms and guns found on the Custer battle-ground. Pretty Face (niece of Sitting Bull), the finest bead maker of the Sioux nation, exhibits her work.

Chief Rain-in-the-Face, who was with Sitting Bull at the Custer massacre, is on exhibition. Also a very large collection of Indian work and curios.

Admission, 25 cents.

**No. 10 A.****Ottoman Hippodrome, or, Wild East; Alfred L. Arundell, Concessionaire.**

Racing on dromedaries, Arabian sports and horsemanship; dancing, feasting and wedding ceremonies, showing life in the wild East.

Admission, 25 cents.





World's Columbian Exposition  
1893

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OFFICIAL CATALOGUE

OF

COLLECTIVE EXHIBITS

OF THE

KRUPP

CAST-STEEL WORKS

ESSEN, GERMANY.

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Department G.

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PART XVIII.

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EDITED BY

THE DEPARTMENT OF PUBLICITY AND PROMOTION

M. P. HANDY, Chief.

CHICAGO

W. B. CONKEY COMPANY, PUBLISHERS TO THE WORLD'S COLUMBIAN EXPOSITION

1893

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**THE WORLD'S COLUMBIAN EXPOSITION,**

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**W. B. CONKEY COMPANY**  
Printers and Binders  
CHICAGO.

## Krupp's Pavilion.

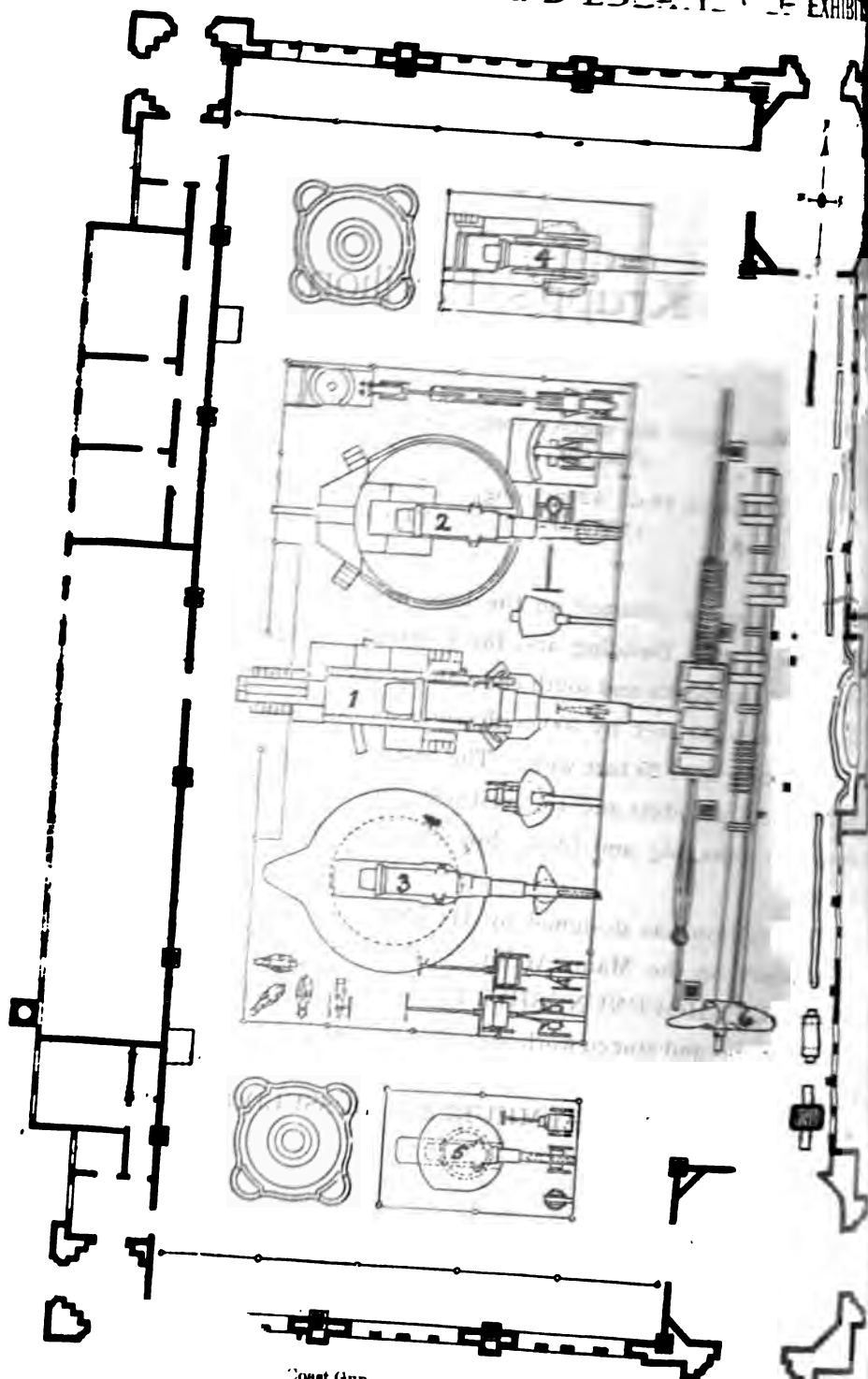
**Main Hall** 60 metres long, 25 m wide, 13 m high.  
(196,85') (82') (42,65')

**Entrance Hall** 42 m long, 7,5 m wide, 9 m high.  
(137,8') (24,6') (29,5') :

**T**HE Pavilion is situated on the lake front, between the Leather and Shoe Trades Building and the Convent of La Rabida, with public entrances at the north and south ends, and is open to visitors, free of charge. The pavilion is 85 feet by 300, with wings on each side running the length of the building and 25 feet wide. The east wing is given up to the various kinds of steel exhibits and the west wing to offices. The main building is devoted to guns, big and little, slow firing and quick, for marine and land batteries.

The pavilion was designed by HEINRICH THEODOR SCHMIDT, of Frankfort on the Main, Architect; the iron construction was executed by the GUTEHOFFNUNGSHÜTTE of Oberhausen (Rhine Province). The sculptures and stucco work were designed and executed by J. MÜLLER of Aix-la-Chapelle, Sculptor. The wrought iron stand in the entrance hall was designed by FR. HALMHUBER of DÜSSELDORF, Architect.

# DIAGRAM OF INTERIOR AND LOCATION OF EXHIBITS



Coast (Gun.  
val (Gun.  
t (Gun.

4. 24 cm (9.45"), Coast Gun.

# Class 542--Department G.

**Fried., Essen, Ruhr.**

**30 cm (11.81') The Big Coast Gun**  
**in front pivot coast carriage.**

Weight of barrel with breech closure, 22,400 kilos (tons 120.46). The gun is 46 feet long, with a 42-centimeter bore, and fires an explosive shell weighing 2,900 pounds. This is the largest gun in the world.

(Intention)—This gun is intended to be mounted in defensive works on the coast. It is one of the most powerful guns existing at present, and is capable of piercing the heaviest armor carried by ships at all ranges most especially required in the engagement of ships with coast defenses.

(Description)—Barrel: The barrel is a jacketed built-up tube of special gun-steel; it has Krupp's rounded wedge breech closure with traversing screw and breech nut; the obturation consists of a steel ring and steel plate, and firing is effected by means of friction fuze screws of Krupp's system. Calibre, 420 mm (16.54'); length of barrel, 14,000 mm (45.93'); length of bore, 12,700 mm (41.66'); number of grooves in rifling, 120; weight of barrel with breech closure, 22,400 kilos (tons 120.46).

(Ammunition)—The gun fires: Cast iron fuze shells, steel fuze shells, steel armor shells, steel shrapnels. Weight of charged projectile, 2,200 lbs.; weight of bursting charge of cast-iron fuze shells, 72.75 lbs.; steel fuze shells, 119.04 lbs.; steel armor shells, 22.04 lbs.; steel shrapnels, 22.04 lbs.; number of balls in

shrapnels, 3000; weight of each ball, 3.52 ozs.; weight of brown prismatic powder, 903.89 lbs.

(Range)—The steel armor shell can perforate, when striking at right angles, a wrought iron plate of—Close to the muzzle, 107.8 cm (3.53'); Distance of 1000 m (3281'); 99.8 cm (3.26'); 2000 m (65.62'); (3.01') 91.9 cm. The gun exhibited was made in 1886 and has since fired 16 shots.

(Transportation)—The railway transport of the barrel weighing 22,400 kilos was effected in Germany upon a Fried. Krupp special wagon with 16 axles and weighing 80,800 kilos; in the United States upon a similar special wagon built by the Pennsylvania Railroad Co. The putting on board ship in Germany was effected by the 150 ts. crane at Hamburg and the landing in the United States by the large new crane of the Maryland Steel Works, at Sparrows Point, near Baltimore.

**2. 30.5 cm (12.01') Gun L/35 in Hydraulic Ship Carriage.**

This gun serves for arming men-of-war and large armored vessels. Weight of barrel with breech closure, 62,450 kilos (61.46 tons).

(Carriage)—The principal parts of the hydraulic carriage are the upper carriage, the frame and the turntable. The barrel is carried by means of its trunnions in the low upper carriage and has a breech closure which is adapted to be moved vertically by hydraulic power.

(Recoil)—The braking of the recoil and the advance and return movement

L indicates the length of the gunbarrels and projectiles in calibres, for example L 35 indicates that the article has a length of 35 calibres.

of the upper carriage with the barrel are effected by means of two brake cylinders mounted on the frame, whose pistons are fixed to the upper carriage and enter the cylinders when the gun is fired.

c—(How Manned)—From a platform one man is able to move the upper carriage forward and backward, to open and shut the breech, to raise and depress the ammunition lift, to operate the loading ram, to sight, to elevate and train the gun, and to fire the same.

d—(Loading)—Loading is effected with the barrel in its rearward and elevated position. The hydraulic ramrod drives by means of its telescopic piston the projectile firmly into the grooves of the rifling and introduces the bag cartridge; after the hydraulic ammunition lift has raised the projectile and the charge up behind the breech of the gun.

e—(Pressure Water)—The gun is mounted under an armored cupola, the walls of which rest on the periphery of the turntable. The pressure water is supplied and led away through pipes.

### 3. 28 cm (11") Coast Gun L/40 C 89

a—(Intention)—The gun is intended for coast defense against ships. It can also be used aboard ship with a modification of the ammunition lift. The carriage admits of an elevation of 45° and a depression of 5°.

b—(Weight of Carriage)—The strain upon the carriage is relieved by braking in the direction of the fire. The carriage weighs 59.05 tons (60,000 kilos), and the shield, 23.62 tons (24,000 kilos).

c—(Loading Position)—The barrel in its loading position is brought with its breech end in front of the raised lift, so that the ramrod can push the projectile and the charge from the lift into the barrel.

d—(Breech Mechanism)—The breech mechanism is operated from the turntable, on which is arranged the stand for the gun-captain, with the slides or valves for the hydraulic actuating

mechanism of the gun and the turning engine.

e—(Covering)—An armor shield covers the carriage and loading apparatus. It is of flat dome shape and projects slightly beyond the ram part. This gun fires cast-iron and steel fuse shells, steel armor shell and shrapnel.

f—(Weight of Projectile)—The loaded projectile weighs 760.59 lbs. (345 kilos) and is fired with 352.74 lbs. of prismatic powder. The shrapnel carries 1,024 balls each, weighing 0.22 lb. (100 g.)

### 4. 24 cm (9.45") Coast Gun L/40 C 86 in Center Pivot Coast Carriage.

a—(Intention)—The gun is intended for engagements of coast defenses against ships. It fires a projectile of 215 kilos (474 lbs.) with an initial velocity of 790 m (2,900).

b—(Barrel)—It has a built-up or hoopled barrel and Krupp's round wedge-breech closure, with traversing screw and breech nut, a steel ring and steel plate obturator or gas check, and an arrangement for firing by means of friction-fuse screws on Krupp's system.

c—(Carriage)—The carriage is worthy of particular attention. Brake cylinders of the hydraulic recoil brake are located in a protected situation on the outside of the carriage, and the peculiar construction admits of an elevation of 44° and a depression of 4°.

d—(How Trained)—It is trained laterally by a pinion working in a toothed ring on the base, and vertically by a worm-gear toothed elevation arc. A worm-gear that can be thrown in and out at will enables the captain to train the gun both vertically and horizontally.

e—(Projectile)—The projectile is lifted into its cradle by means of the wire rope of the shot-craze. With the elevation of 44° and a range of about 20,000 m (21,872 yards) the trajectory of the projectile of this gun reaches a maximum elevation 6,540 m (21,456 ft), and the projectile has a dura-

tion of flight of 70.2 seconds. Thus, a 24 cm (9.45") gun if placed at Pré St. Didier in the Alps with an elevation of 44° would fire 2,730 m = 8,956.8' over Mont Blanc (4,810 m = 15,781.5') and the projectile with a range of 20,226 m (22,120 yards) would fall in the neighborhood of Chamounix. This is the longest range that has been actually reached by any existing gun with a projectile of the weight specified.

5. 21 cm (8.26") Gun L 35 in Centre Pivot Ship Carriage.

This is one of the most useful guns for ships. It is manned by hand or by electricity. It throws a projectile of 140 kilos (308 lbs.), with an initial velocity of 646 m (2,119').

6. 15 cm (5.9") Quick-Firing Gun L 40 in Centre Pivot Ship Carriage.

Guns of this class constitute the main armament of cruiser-corvettes and also form the intermediate calibres in the armament of armour-clads. They fire projectiles of 45 kilos (100 lbs.), and make 8 shots in a minute.

7. 12 cm (4.72") Quick-Firing Gun L 40 in Center Pivot Ship Carriage.

This gun is employed for arming cruisers and large dispatch boats. It throws a projectile of 18 kilos (39.683 lbs.), and makes thirteen shots in a minute.

8. 8.7 cm (3.43") Quick-Firing Gun L 40 in Centre Pivot Ship Carriage.

This gun serves mainly for warding off attacks by torpedo boats, and can therefore be mounted in all classes of vessels. It throws a projectile of 9 kilos (19.84 lbs.), and makes nineteen shots in a minute.

9. 7.5 cm (2.95") Quick-Firing Gun L 25 in Caponier Carriage.

This gun is designed to serve for the defence of fortresses as a flank gun for raking the ditches and trenches. Its construction offers special advantages for this purposes by reason of its high speed of firing (40 shots per minute) and effective action of the projectile (weight of projectile 6 kilos (lbs. 13.23) and initial velocity 500 m (547 yards), whilst being capable of very easy and simple manipulation.

10. 10.5 cm (4.13") Fortress and Siege Gun L 35 with Carriage.

This gun has made 1,800 shots, and the last test was as good as the first. It has a very light carriage and is easily handled.

11. 24 cm (9.45") Fortress and Siege Mortar.

This mortar is transportable. When in shooting position the pivot can be dug in the earth, and the mortar brought over it.

12. Portable 7.5 cm (2.95") mortar.

13. 7.5 cm (2.95") field gun 28 calibre.

14. 7.5 cm (2.95") light field gun.

15. 6 cm (2.4") Boat and Landing Gun L 21.

This gun is mounted on a center pivot and throws a projectile of 3.0 kilos (6.6 lbs.) This gun can be used in a boat or for land purposes.

16. 7.5 cm (2.95") mountain gun 13 calibre.

17. 6 cm (2.36") Mountain Gun.

This gun is intended for use in mountainous districts.

For the transport of the gun three mules are required; of these, one carries the barrel, the second the carriage and the third the wheels and shafts. The normal weight for each animal amounts to about 90 kilos (198, 41 lbs.) to which must be added the weight of the saddle, and of the equipment, about 40 kilos (88.18 lbs.).

18. 3.7 cm (1.46") Bush Gun.

This gun is constructed to satisfy the requirement for a gun of small calibre, which is capable of being transported in all places, even over the most difficult ground and particularly in hot climates.

19. Collection of Projectiles, consisting of:

a. (Steel Armour Shells) Without fuze.

They are designed for perforating ships' armor and also the armor of fortifications. They have a considerably greater effect than the chilled armor shells for the same purpose, so that they have almost displaced the latter.

b. (Steel Fuze Shells) Intended, similarly to the bursting shells, to have the greatest possible explosive or bursting effect at the mark. Their walls are

therefore made so as to leave a large internal space for the reception of the greatest possible quantity of bursting charge which is caused to explode by means of a fuze on striking the mark.

c. *Heavy Armour Plates*.—These protectives serve chiefly for firing at earthworks, whereas the bursting-shells are mainly employed against animate objects under cover which can only be reached by spreading the burst fragments out into the form of a large cone.

d. *Light Shells*.—Belong to the same class of projectiles, but differ from the ordinary bursting shells and bursting shells by still smaller thickness of wall and greater length of projectile, which enables a still larger quantity of the bursting charge to be employed. They are fired only at low velocities from guns with strongly curved trajectory.

e. *(Cast Iron) Fuzed Shells*.—Are partly ordinary shells with only one wall and partly such in which the bursting action is determined by a special internal arrangement of the projectile. They have a bursting charge, and all are provided with fuzes.

f. *(Shrapnels)*.—Serve exclusively for firing at animate objects. They are charged internally with balls; they have a bursting charge in their base, and have a double fuze, that is to say, a fuze which ignites the bursting charge of the projectile either on striking the mark or during flight after any desired duration of flight before striking the mark.

g. *(Case Shots)*.—Are sheet metal cases charged with balls, and without bursting charge and without a fuze; they serve only for defensive purposes at short range. The sheet metal case is broken in firing whilst still in the barrel and the balls diverge as soon as they have quitted the barrel.

20, 21. **Compound Armor Plate.** The compound armor plates exhibited are distinguished: First by the excellent union of the steel with the welding iron plate

which nowhere shows a tendency to become detached;

Secondly, by the tenacity of the steel which shows comparatively very few cracks and very slight scaling;

Thirdly, by the great tenacity of the iron backing notwithstanding the great thickness of the plates.

## 22, 23, 34. Nickel Steel Armor Plates.

Have the advantage that they cannot be caused to break or crack, even by projectiles of the largest calibres, and even when they have been struck by an extraordinary number of shots. As regards their capacity to resist perforation they do not yield to any nickel steel plates of similar manufacture made elsewhere.

25. **Plate of Ingot Iron,** weight 62,400 kilos (tons 61.41).

26. **Boiler Plate of Welding Siemens-Martin Ingot Iron.**

Length 30 m (65.5 f), width 3.3 m (10.83 f), thickness 32 m (1.26 f), weight 16,200 kilos (tons 15.94).

27. **Boiler end plate of Siemens-Martin ingot iron.**

28. **Dome-shaped piece from a plate of welded iron.**

29. **Distorted boiler end plate.**

30. **Distorted due of a tenbrink boiler destroyed by want of water.**

31. **Hollow Shaft from a Block of Crucible Steel.**

Length 25,000 mm (82 feet), weight 12,000 kilos (tons 11.81).

32. **Driving roll of crucible steel.**

33. **Screw Shaft, Thrust Shaft, and Crank Shaft of Open-hearth Steel.**

34. **Total weight of the three shafts exhibited: 105,000 kilos (tons 103.34); total length: same, 27.5 m (90 feet).**

35. **(Intermediate Shafts)**.—When used aboard a steamer, a number of simple intermediate shafts are arranged between the screw shaft and the thrust shaft, so that the entire length of shafting is about 52 m (170.6 f). The seven parts were forged by hydraulic power from blocks up to 1.4 m (4.59 f) in diameter.

eter. The coupling flanges are forged on direct.

b—(How Connected)—The screw shaft weighing 21,400 kilos (tons 21.06) is connected to the thrust shaft weighing 15,000 kilos (tons 14.76) by means of 9 head screw bolts each weighing 70 kilos (lbs 154.3).

c—(Crank Shafts)—The crank shaft weighs 66,600 kilos (tons 65.54), and consists of 3 crank pins, 6 crank webs and 6 coupling journals which are combined to form 3 cranks 120° apart.

d—(Crank Pins)—The crank pins and coupling journals are shrunk warm into the crank webs, and the coupling journals are keyed in addition. The whole shaft, as also the 3 crank pins, are bored out longitudinally.

4. Trunnion ring, forged from crucible steel in one piece.

5. Distorted disc wheel center (coiled center) of wrought iron.

6. Chisel drill.

7. Six stamp shafts of crucible steel.

8. Two crank-pins of crucible steel.

9. Two crank-pins of crucible steel.

10. Two piston rods of crucible steel.

1. Two connecting rods of crucible steel.

2. Two coupling rods of crucible steel.

3. Six crank-pins of crucible steel.

4. Two crank-pins of crucible steel.

5. Two crank-pins of crucible steel.

6. Two crank-pins of crucible steel.

7. Two piston rods of crucible steel.

8. Crank shaft of crucible steel.

9. Crank axle of crucible steel.

10. Crank axle of open-hearth steel.

1. Crank axle of crucible steel.

2. Two coupling cranks of crucible steel.

3. Two driving cranks with eccentrics.

4. Stem of molded steel casting.

Weight 24,000 kilos (23.60 tons).

5. Stern post of molded steel casting.

Weight 12,300 kilos (12.59 tons).

56. Rudder frame of molded steel casting.

Weight 11,300 kilos (11.12 tons).

[The large size of the stern post and rudder frame made transport by rail impossible, in the United States as well as in Europe. Consequently they had to be transported from Essen (or Ruhrort) to Chicago entirely by water. In view of the interruption of navigation on the American canals and lakes during the winter, the two articles were dispatched as early as the 17th of September, 1892, from the Cast-steel Works at Essen, being conveyed over the short distance (22 kilometres—13.67 miles) to the Rhine-port of Ruhrort on carts each drawn by eight horses, thence by steam tug on the Rhine to Rotterdam, where they were transferred to an ocean steamer which arrived at New York in the middle of October. From here to Buffalo the transport was effected by canal boat, and from Buffalo to Chicago by lake steamer which arrived here on November 29, 1892.]

57. Ship's screw or propeller of molded steel casting.

The total weight of the propeller is 26,225 kilos (tons 25.81).

58. Bed plate of molded steel casting.

59. Coupling of the American system of Janney, of molded steel casting.

60. Locomotive frame of molded steel casting.

61. Wheel rim and pinion of crucible steel casting.

62. Distorted spoke wheel center of molded steel casting.

63. Driving wheel center of molded steel casting.

64. Distorted driving wheel center of molded steel casting.

65. Test pieces.

66. Centrifugal Vessels.

a—(Intention)—For machines for separating cream from milk, pressed by hydraulic power from sheets of Martin ingot steel (6 whole vessels and 4 halves of vessels in 3 sizes).

b—(How Employed)—The centrifugal vessels are employed for separating the

cream from milk, and are driven at a speed of rotation of up to 10,000 revolutions per minute.

67. Locomotive steam domes.
68. Connecting base pieces.
69. Protective cap for an armored tower.
70. Two-axle car-truck.
71. Various parts of pressed steel.
72. Various die-forged parts.
73. Several sets of tires.
74. Several sets of retaining rings.
75. Several sets of wheels.
76. Several sets of wheels, complete, fitted on axles.
77. Hoisting crane, capable of lifting a load of 85,000 kilos (tons 83).
78. Hoisting crane, capable of lifting a load of 85,000 kilos (tons 83).
79. Portable railway plant.
80. Rolling mill.
81. Mint rolls.
82. Reed rolling machine.
83. Gold rolling machine.
84. Tin-plate rolling machine.
85. Rolls.

### VIEWS.

#### Rear Wall of the Pavilion.

Top panel pictures (executed by Carl J. Gratz, of Frankfurt-on-the-Main, painter).

First panel on the left: View of Fried. Krupp's practice ground near Meppen.

Second panel: Map of Fried. Krupp's practice ground near Meppen, with the shooting ground 23 kilometres (14.29 miles) long, also with a key plan of the offices and the foundations for the guns at the firing stand.

Third panel: Graphic representation of the increase in the landed estate of Fried. Krupp in Essen and the surrounding parishes from the year 1821-1891.

Fourth panel (middle panel): View of the Ruhr valley in the vicinity of Essen and of Hgel Villa (residence of F. A. Krupp,

Privy Councillor and present proprietor of the firm of Fried. Krupp).

Fifth panel: Statistical representation of the increase in the building property of Fried. Krupp in Essen and the surrounding parishes from the year 1821-1891.

Sixth panel: Bird's eye view of the Cast Steel Works of Fried. Krupp and of the town of Essen.

Seventh panel: Hermannshtte near Neuwied on the Rhine (one of the four smelting works of Fried. Krupp).

Photographs, Water Color Drawings and Models in the Paneling of the rear wall.

The water color drawings in the 2d and 6th panel (executed by Gustav Halmhuber of Berlin) are illustrations of Fried. Krupp's dwellings, and hygienic and other establishments for his officials and workmen.

The model, in the second panel from the left, illustrates the "ancestral home."

The latter house was built in the year 1818 at the same time as the oldest workshops of the present works, and served for a long time as the home of the Krupp family. It is still kept by a feeling of piety in its original form in the middle of the works at the present day, and serves as an office for the Privy Councillor F. A. Krupp the present proprietor of the firm.

The model in the second panel from the right is a copy to 1-20th of the natural size of the monument erected in the honor of the deceased Mr. Alfred Krupp, by voluntary contributions of the officials and workmen of the firm of Fried. Krupp. The monument, which was unveiled on August 2, 1892, was designed by Aloys Mayer and Josef W. Menges of Munich, sculptors, and was cast in the art foundry of W. Krupp in that town.

The central figure is the portrait of Mr. Alfred Krupp. The two symbolical figures represent "Humanity and Labor." The scroll held by "Humanity" bears the inscription "Man should be noble, charitable and good." On the base is the motto of Alfred Krupp: "The object of labor should be the common good." On the rear side of the base is the dedication "Dedicated by the employes of his works."

Some views of the Works of Fried. Krupp are located in the large middle frame of the 3d and 5th panels.

The photographs in the smaller frames are views of Krupp's guns.

### HISTORICAL DATA.

- 1787. Peter Frederick Krupp, the founder of the firm Fried. Krupp, born.
- 1810. The firm Fred. Krupp established.
- 1811. The first melting furnace built for the manufacture of cast-steel.
- 1812. Alfred Krupp born.
- 1818. Building of the oldest workshops of the present existing manufacturing establishment near Essen.
- 1826. Peter Frederick Krupp died.
- 1843. First application of cast-steel to small arm barrels.
- 1847. The first finished piece of artillery in cast-steel. (3-pounder.)
- 1848. Alfred Krupp takes over the business of the firm as sole possessor.
- 1853. Patent for manufacture of weldless steel-tyres granted.
- 1854. The first 12-pounder constructed.

1861. The 50-ton hammer "Fritz" started to work.

1862. Construction of the Krupp flatwedge breech-closing apparatus.

1863. Building of the first workmen's colony "Westend."

1865. Construction of the Krupp round wedge breech-closing apparatus.

1867. Introduction of prismatic powder with 7 perforations and adoption of the ring construction for the larger guns.

1886. The incorporation of the steel works of F. Asthöwer & Co. of Annen.

1887. Alfred Krupp died 14 July.

1889. Construction of the Krupp horizontal breech-closing apparatus for quick-firing guns.

Introduction of smokeless powder.

1890-92. Manufacture of armor plates started. Hydraulic forging presses of 2,000 and 5,000 tons pressure started to work.

1893. The incorporation of the Gruson works at Buckau-Magdeburg.

[For Fried. Krupp Grusonwerk see exhibit in Machinery Hall, catalogue of Machinery Hall, Mines and Mining, and Transportation Building.]



WORLD'S COLUMBIAN EXPOSITION.  
1893

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# OFFICIAL CATALOGUE

OF EXHIBITS OF THE

# COLUMBUS CARAVELS

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(SANTA MARIA, NINA AND PINTA.)

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PART XIX.

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DEPARTMENT M.

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EDITED BY  
THE DEPARTMENT OF PUBLICITY AND PROMOTION,  
M. P. HANDY, Chief.

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**W. B. CONKEY COMPANY,**  
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# THE COLUMBUS CARAVELS.

## Description of the Santa Maria, Nina and Pinta.

Of the numerous attractions at the Exposition none have been more generally visited and admired than the Columbus fleet—the Santa Maria, Nina and Pinta—exact reproductions of the originals, now lying in the South Inlet and made fast to the wharf immediately east of the Agricultural Building. Visitors are allowed aboard the Santa Maria free of charge from 9 A. M. to 6 P. M. Visitors are not allowed aboard the Pinta or Nina.

The Santa Maria left Cadiz, Spain, in February of this year, crossing the ocean by herself. The Pinta and Nina had to be towed over. After visiting the Canary Islands and Porto Rico, the caravels finally arrived at Hampton Roads and took part in the great naval review in New York harbor. The boats left New York the latter part of June, making brief stoppages at important cities on the way, and they were everywhere received with acclamations of joy by the people. The trip from New York was an extremely interesting one. The fleet touched at Quebec, Montreal and Toronto on the Canadian side and at Rochester and Milwaukee on the American, and arrived in the harbor of Chicago July 7th.

Upon anchoring off Jackson Park the little ships in which Columbus sailed across an unknown sea were given a fitting reception in honor of their arrival. On this occasion speeches of welcome were made by Secretary of the Navy Herbert, Secretary of the Treasury Carlisle, who represented the President of the United States; United States Senator Sherman, the principal officials of the World's Columbian Exposition and the officers of the steam and sailing yachts of Chicago.

The officers of the Santa Maria are Victor Ma. Concas of Palan, Captain de Fragata, and Lieutenants Gutierrez Sobral, Magas, and Luis Renz Berdejo.

The officers of the Pinta are Commander Rodrigo Garcia de Quesada, with Lieutenant Emiliano Enriquez Laro as second in command.

The Nina's officers are Commander Juan Viqvan y Vequan and Lieutenant Pedro Vasquez.

The Santa Maria was built at Cadiz, her keel having been laid on April 21, 1892. Her plans were in accordance with all the obtainable data regarding the original which brought Columbus to the new world. She was launched on June 26th. On July 29th, she went to sea for the first time, bound for Palos to commemorate the sailing of Columbus and the discovery of America at the festivities held on August 3d and October 12th. Her dimensions are as follows: Length at water line, 71 feet 3 inches; beam, 25 feet 8 inches; depth of hold, 12 feet 5 inches; displacement, 233 metric tons; present crew, 52 men, all told. On the poop and extending across the deck is a cabin, which is a copy of that occupied by Columbus. It contains a table, chair, bed and wardrobe of the style of the fifteenth century. There is also a royal pennant, which is an exact copy of the one taken by Columbus to the discovery and by John of Austria at the battle of Lepanto, as well as by other leaders, as the symbol of command. On the table is placed an astrolabe and a forestaff, instruments used to measure the altitude of the stars; while around the sides of the cabin are the arms of the officers. The Santa Maria is armed with four small cannonades on the upper deck and four breech-loading guns on the gunwale. She has a bowsprit and three masts and is

rigged with square and triangular sails. Elevated at the stern of the vessel is the large iron lantern, the ancient insignia of an Admiral, and a custom handed down to us, as in the mizzen-top or on the aftermast of the flagship there is always a light beaming from sunset to daylight. In the open space under the poop deck are all sorts of specimens of the arms used by the fighting men of Columbus' day, among the most curious of which are the large guns called "lombardia," which are lashed with ropes to their stout wooden blocks of carriages, while near by in a netted bag hang stone balls, which were the projectiles of the day. In the little cannon called "falconets" which are mounted on the rail, one finds the ancestor of our great guns, in the shape of breech-loading cannon. A small flat curved pin holds in place a little iron pot-looking receptacle, which upon the withdrawal of the pin is readily removed.

In this is placed the powder charge and then the stone ball. The priming and firing are done at a touch-hole in the upper rear portion of the powder holder. The falconets are arranged so that they can be moved about laterally and vertically. The odd looking blocks for the tackles which are used for raising the heavy yards are curiously made, while the compass is one of the most interesting of curiosities. The old windlass for raising the heavy-looking anchors (the largest of which lies on the main deck and was cast in the fifteenth century) and the means for securing the cable at once attract attention.

The Nina and the Pinta are framed on the models of the smaller vessels of the Columbian expedition, without deck amidship and with differences in rigging.

The banners on the ships are as follows: Aft, pennant of Castile; mizzen truck, arms of Aragon and Castile united, beginning of the arms of Spain; main truck, Standard of Castile; fore truck, banner of the expedition, granted by their Catholic majesties. The shields over the rail are the arms of Castile (castles and lions); Aragon (gold with red bars); Sicily (the bars of Aragon and eagles).



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